Amended Special Meeting Agenda
Jefferson County Planning Commission
Tuesday, December 17, 2024 at 7:00 PM

# ***MEETING CANCELLED***

**By order of the President of the Jefferson County Planning Commission,**
**Public Participation is available in-person only.**
**The meeting will be broadcast live via ZOOM for viewing purposes only.**

**In-Person Meeting Location:** County Commission Meeting Room located in the lower level of the Charles Town Library (side entrance on Samuel Street)
200 East Washington Street, Charles Town, WV 25414

**ZOOM Broadcast Information*:** Meeting ID: 867 3051 2240
Meeting Link: https://us02web.zoom.us/j/86730512240

**If watching live broadcast, please ensure your microphone is muted and be mindful that your video is streaming to others.*

1. **Approval of Meeting Minutes:** November 12, 2024 meeting
2. **Request for postponement**

The following items are open for public comment

3. **Public Workshop:** Mountain Pure Concept Plan for a Major Site Development. The proposal consists of the following: Phase 1: a 304,000 square foot bottling facility with associated parking on a proposed 30-acre parcel; and, Phase 2: a 696,000 square foot bottling facility with associated parking on a proposed 66-acre parcel. The proposal will include the required stormwater management facilities. Property Owners: Sidewinder Enterprises, LLC; 1 Grace St, Kearneysville, WV; Parcel ID: 07002200090000; Size: ~260 acres; Zoning District: Industrial Commercial; Parcel ID: 07002200320000; Size 13.22 acres; Zoning District: Rural (supply well). Property Owner: RLMHP LLC & Photoglou Living Trust; Easement Owner: Sidewinder Enterprises, LLC; Parcel ID: 07002200330009; Size: 8.31 acres; Zoning District: Rural (waterline easement) (File #24-6-SP).

There is no public comment for the following items.

4. **Reports from Legal Counsel**
    a. Report by Legal Counsel on Jefferson County Foundation , Inc. v. Jefferson County Planning Commission, Jefferson County Circuit Court Case 24-C-259 (Discussion/ Action)
5. **President's Report**
6. **Actionable Correspondence**
7. **Non-Actionable Correspondence**
    a. Letter from Jefferson County Foundation Attorney (Andrew Earley) re: Mountain Pure

Draft Meeting Minutes
Jefferson County Planning Commission
November 12, 2024

The Jefferson County Planning Commission met on November 12, 2024, at 7:00 pm with the following Planning Commission members present: Mike Shepp, President; Steve Stolipher; County Commission Liaison, Wade Louthan, Secretary; J Ware Jack Hefestay, Cara Keys, Tim Smith, and Donnie Fisher were present in person. Aaron Howell, Vice President; was present via ZOOM.

Staff members present included Jennifer Brockman, Chief County Planner, Luke Seigfried, County Planner; Jonathan Saunders, County Engineer; Nathan Cochran, Prosecuting Attorney; and Colin Uhry, Planning & Zoning Clerk.

Mr. Shepp called the meeting to order at 7:00 pm and confirmed a quorum was present.

1. **Approval of Meeting Minutes:** October 8, 2024 Meetings

   Mr. Shepp stated the minutes stand approved as presented. Mr. Shepp requested to move Items 4, 5, and 6 up to give the members of the public not present for Item 3 the ability to leave.

   [The motion to rescind and related discussion occurred after the Planning Commission moved to Agenda Item 6. Additional detail can be found in Agenda Item 6 below.]

2. **Request for postponement.** None.

The following items are open for public comment.

3. **Public Hearing:** Waiver Request from Section 24.112C of the Subdivision Regulations to extend the two year vesting period for approved Major Subdivision Concept Plans, which requires that a preliminary plat must be submitted and approved within the two year period of time for which the concept plan direction is in effect, extending to November 15, 2026 for the Sunnyside Major Subdivision. Property Owners: Sunnyside Investment, LLC; Sunnyside Industrial Park Lots 1-5 & 8-11 (9 existing lots) located on Kanawha Lane, south of Wheatland Road, Charles Town, WV; Tax District: Kabletown (06); Map: 12; Parcels: 12, 12.2, 12.3, 12.4, 12.5, 12.8, 12.9, 12.10, 12.11; Size: ~53 acres (combined acreage); Zoning District: Residential-Light Industrial Commercial (File #24-27-PCW).

   Mr. Seigfried provided an overview of the staff report.

   Mr. John Thomas, property owner, and Dirk Stansbury, consultant, were present in person. Mr. Thomas explained the nature of the request.

   Mr. Shepp opened the public hearing. No members of the public were signed up to speak. Mr. Shepp closed the public hearing.

   Mr. Stolipher noted that should the subdivision regulations or zoning ordinance be updated before 2026, the proposed Site Plan would be subject to those approved rulings.

   Mr. Fisher moved to approve the request as presented. Mr. Smith seconded the motion, which carried unanimously.

4. **Public Hearing:** Waiver Request from Section 20.203B of the Subdivision Regulations to allow the opening of the park property prior to processing a Concept Plan and Site Plan and prior to initiating any improvements on the property. Property Owners: Jefferson County Parks and Recreation Commission / Contact: Jennifer Myers; 1123 Bloomery Road, Charles Town, WV; Parcel ID: 02002000020000; Size: 82 acres; Zoning District: Rural (File # 24-28-PCW).

   Mr. Seigfried provided an overview of the staff report.

Ms. Jennifer Myers, property owner, and Mr. Matt Pennington, consultant, were present in person. Mr. Pennington explained the nature of the request.

The Planning Commission had no clarifying questions.

Mr. Shepp opened the public hearing. One member of the public was signed up to speak, who clarified they signed up for the wrong agenda item. Mr. Shepp closed the public hearing.

Mr. Stolipher moved to approve the request as presented. Mr. Howell seconded the motion, which carried unanimously.

There is no public comment for the following items.

5. **Discussion and Action on the Harvest Homes, LLC Zoning Map Amendment Request:** Planning Commission review and recommendation to the County Commission regarding whether the petition for a Zoning Map Amendment to rezone three Media Farm properties totaling 127+/- acres from Rural to Residential Growth is consistent with the *2035 Comprehensive Plan*. Owner/Applicant: Harvest Homes, LLC. Property Location: 261 Media Farm Lane, Ranson, WV (Parcel ID: 02000400110000), 391 Media Farm Lane, Ranson, WV (Parcel ID: 02000400110001); and, 278 Media Farm Lane, Ranson, WV (Parcel ID: 02000400130000). Combined acreage: approximately 127 acres; Zoning District: Rural (File #24-2-Z).Mr. Shepp recused himself from this Item due to a connection with the property.

   Mr. Seigfried provided an overview of the staff report.

   Mr. Dave Lutman, applicant, and Mr. Paul Raco, consultant, were present in person. Mr. Raco and Mr. Lutman explained the nature of the request.

   Mr. Hefestay questioned whether the applicant or the consultant has spoken with the Historic Landmarks Commission. Mr. Shepp reminded the Commission the purpose of the vote was to determine if the request was in conformance with the comprehensive plan and provide that recommendation to County Commission.

   Mr. Fisher moved to approve the request as presented. Mr. Louthan seconded the motion, which carried unanimously.

   Mr. Shepp opened the public workshop.

The following items are open for public comment.

6. **Public Workshop:** Mountain Pure Concept Plan for a Major Site Development. The proposal consists of the following: Phase 1: a 304,000 square foot water bottling facility with associated parking on a proposed 30-acre parcel; and, Phase 2: a 696,000 square foot water bottling facility with associated parking on a proposed 66-acre parcel. The proposal will include the required stormwater management facilities. Property Owners: Sidewinder Enterprises, LLC; 1 Grace St, Kearneysville, WV; Parcel ID: 07002200090000; Size: ~260 acres; Zoning District: Industrial Commercial (File #24-6-SP).

   Mr. Shepp provided an overview of the public workshop process.

   Mr. Seigfried provided an overview of the staff report.

   Mr. Mark Dyck, representative of the property owner, and Mr. Jason Gerhart, engineer, were present in person. Mr. Dyck explained the nature of the request.

Mr. Ware expressed concern over the amount of water being pumped during a well testing and a baseline amount that would be implemented if approved. Mr. Shepp expressed concern over traffic in Middleway. Mr. Stolipher noted that at a previous County Commission meeting there was approval for a traffic signal at the intersection of Middleway Pike and Leetown Road. Mr. Fisher expressed concern regarding how the water would be brought from Lake Louise to the proposed site. Mr. Dyck, Mr. Gerhart, and Mr (triad Engineer), an engineer consulting with Triad Engineering responded to the questions posed by Planning Commission. Mr. Shepp opened the floor for public comment.

The following members of the public provided testimony:

Lynn Welsh, Mary Gee, Stacy Chapman, Nicole Chapman, Shawn Franklin, Melissa Carder, Jessie Norris, John Wharton, Daniel Lutz, David Tabb, Laura Paxton, Susie Wimer, Lynn Dulles, Kendra Clark, Rebecca Thompson, Pat Phillips, Sue Covello, Giuliana Brogna, Maura Ross, Christine Wimer, Bille Garde, Christine Marshall, Ron Shade, Tamar Liskey, Margaret Liskey, Suellen Myers, Anne Bowers, Joslyn Noland, Robert Pitcher, Tina Michael, Carrie Blessing, Faith Rice, Troy Miller, Don Rebmann, Rebecca Meade, Benjamin Buckley, Brian Lowery, Bob Tabb, Natalie Grathnam, Barbara Smith, Timothy Smith, Kay Schultz, Lindsay McLaughlin, Leah Rampy, David Rampy, Cheryl Middleton, Jacquelyn Milliron, Monica Taylor, Phyllis Grantham, Maria Russo, Brent Walls, Linda Newsome, Andrew Upright, Lawrence Wright, Greg Uhass, and Rebecca Kipson.

Mr. Shepp closed the public workshop and motioned to take a recess at 10:18 pm.

Mr. Shepp opened the meeting at 10:26 pm.

Mr. Shepp asked for clarification from staff regarding the zoning of the property. Ms. Brockman provided clarification and her zoning decision stated that staff interpreted the bottling facility as a manufacturing operation, a principally permitted use in the Industrial/Commercial district.

Mr. Cochran provided the Planning Commission with an overview of next steps the Commission could make regarding the concept plan.

Addressing the public's concerns regarding health and safety, Mr. Dyck provided the Planning Commissioners with portions of West Virginia state code and diagrams of previous well testing that took place in the surrounding area. Mr. Gerhart also discussed the difference between 6 lots and 4 lots regarding the concept plan and explained the purpose of 3 wells being established as a precautionary measure.

Mr. Nick Wolf, representative from Triad Engineering, discussed the geology of Jefferson County in regards to well placements. Mr. Wolf also noted there would be no production well or plume migration on site, with just a well monitoring plant being located at this location.

Ms. Keys expressed concern regarding zoning and usein this site. Mr. Ware discussed adding a limitation on well depth for Mountain Pure opposed to having wells go deeper than Middleway citizens living in the area.

Mr. Ware expressed concern regarding the local water table and how multiple wells in the area may impact on the citizens of Middleway. Mr. Ware also proposed that the applicant could drill down to a distance higher than the private use wells in the area to allow for a safety buffer. The condition would ensure that if the applicant draws water above the static water line then the applicant will be impacted by the lower water table, rather than the people living in the area. Mr. Dyck was unable to make a

commitment without discussing with the applicant. Mr. Ware also expressed concern regarding lack of community outreach before the Planning Commission meeting.

Mr. Shepp asked the applicant to clarify the accessto water, effect of the project on historic Middleway y, access road use, traffic direction at the intersection of Middleway Pike and Leetown Road, and limits for the amount of water on the Concept Plan. Multiple Planning Commissioners expressed concern of running water 24 hours a day for a full year and the long term impacts that could be made. Mr. Stolipher noted a water study was scheduled to happen in winter 2025. Mr. Louthan questioned when the previous water test was held, expressing concern over it being conducted in winter 2022.

Mr. Stolipher questioned the applicant's legal right to extract and use water out of Lake Louise. Mr. Cochran explained that Section 22.6.3 of state code claims waters of the State of West Virginia are claimed as valuable public natural resources held by the state for the use and benefit of its citizens. Mr. Fisher questioned the current traffic study and how it may relate to the amount of trucks leaving the facility. Commission members also questioned the need to have water moved from Berkeley County, West Virginia. Mr. Smith questioned the production timeline of new wells being added to properties being impacted by the new plant and the limit of requesting a new well within 2 years of production. Mr. Fisher questioned staff on if they would consider the proposed Concept Plan complete with the new information provided the night of, Mr. Seigfried approved of the completeness in accordance of the Subdivision Regulations brought before the Planning Commission.

Mr. Shepp asked for clarification regarding whether or not the Planning Commission could deny the proposed Concept Plan. Mr. Cochran reiterated that the Planning Commission could vote on the proposal now or postpone to allow for more fact checking regarding the controversial nature of the project. The vote would determine whether the application is complete and provide direction on preparing the Site Planor find the application to be incomplete and allow for the applicant to resubmit at a later date.

The Planning Commission discussed what they would deem complete vs. The Planning Commission determined that incompleteness includes lack of clarity in how the water is navigating from Lake Louise to the 3M site, identifying where the wells are located, identifying issues regarding monitoring wells, and identifying parameters regarding well depth and impact on Middleway residents.

Ms. Keys motioned to find the Concept Plan incomplete due to the omission of two parcels relevant to the project from the plan. Mr. Louthan seconded the motion, which carried unanimously.

There is no public comment for the following items.

7. **Discussion and Recommendation:**

Ms. Brockman explained staff proposed updates to the Solar Energy Facility Ordinances.

Ms. Keys motioned for staff to return with specific language regarding Site Plans at a future Planning Commission meeting. Mr. Shepp seconded the motion, which carried unanimously.

8. **Discussion and Recommendation:**

Mr. Seigfried explained the proposed budget recommendation used by the Department of Engineering, Planning, and Zoning for the Fiscal Year of 2026. No Commissioners had any input.

9. **Discussion and Recommendation:**

Ms. Brockman explained the 1st Quarter Quarterly Report for Fiscal Year 2025 to the Planning Commission. Planning Commission chose to send it to County Commission.

**10. Reports from Legal Counsel**

No reports given.

**11. Planner's Memo**

Mr. Seigfried gave a results recap of the Planning Commissioner Self Evaluation Review that members took during the October 8, 2024 meeting. Mr. Seigfried also noted future training topics Planning Commissioners were interested in.

Mr. Seigfried provided Planning Commissioners with a copy of the 2025 Meeting Schedule and Deadlines for the Planning Commission.

**12. President's Report**

Mr. Shepp noted that this was the last meeting Ms. Brockman would be attending on account of her retiring in December. Planning Commissioners and staff gave Ms. Brockman a round of applause and wished her luck in her future endeavors.

**13. Actionable Correspondence**

None.

**14. Non-Actionable Correspondence**

None.

Mr. Fisher motioned to adjourn the meeting at 12:06 am. Mr. Smith seconded the motion, which carried unanimously.

These minutes were prepared by Colin Uhry, Planning & Zoning Clerk.

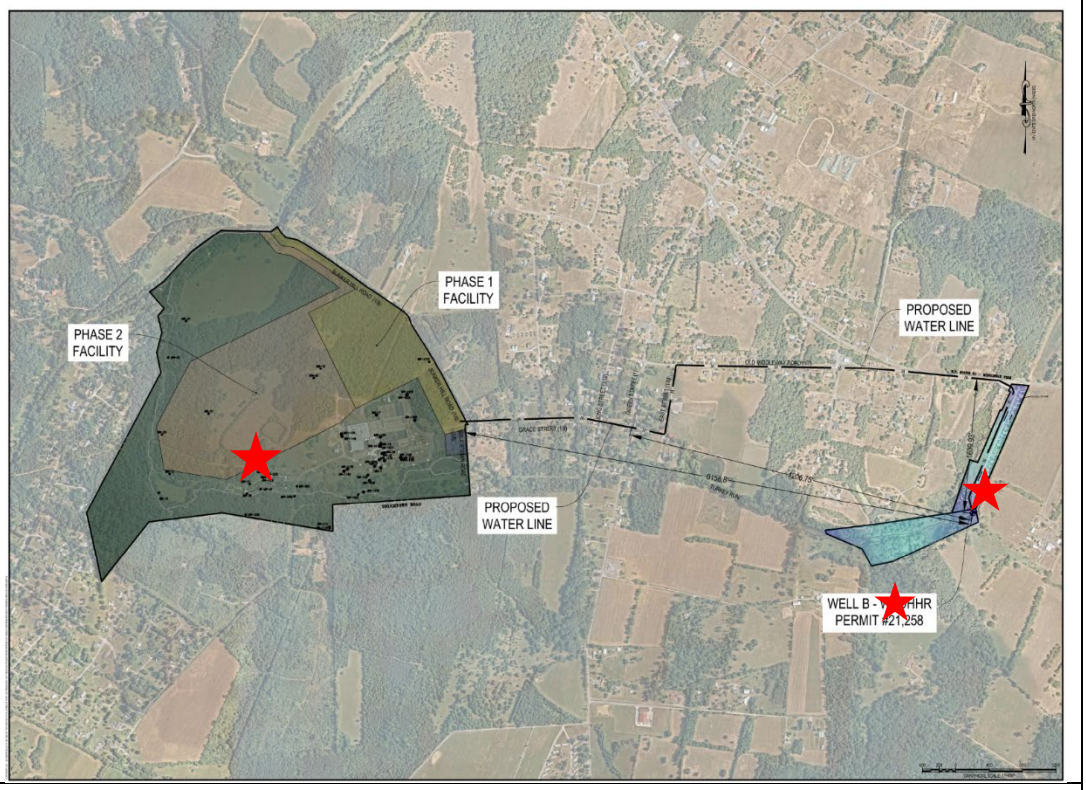
Staff Report

Jefferson County Planning Commission

December 17, 2024

**Sidewinder Enterprises, LLC Revised Concept Plan Public Workshop (PC File: 24-6-SP)**

**Item # 3: Revised Concept Plan Public Workshop:** The proposal consists of constructing two water-bottling facilities in two phases with a total of 1,000,000 square foot in new building area. The project will include internal access roads with two commercial entrances, a water treatment facility for use by a local utility company, and stormwater management.

| | |
|---|---|
| Owners/Applicant: | Sidewinder Enterprises, LLC |
| Consultant: | Brooke Perry, Integrity Federal Services |
| Property Location & Legal Description | 1 Grace Street, Kearneysville, WV; Parcel IDs: 07002200090000; 07002200340000; and 07002200330009; Size: ~260 acres; 13.25 acres; and 8.31 acres; Zoning District: Industrial-Commercial and Rural   |
| Adjacent Zoning: | *North, South, East, & West:* Rural |
| Proposed Activity: | Water Bottling Factory |
| History: | 08/08/2023 – Planning Commission Waiver for 4-lot Subdivision Approved<br>The site of the previous the 3M Plant (opened in 1961 and closed in 2005) and Eastman Kodak Co (2005 - 2006)<br>S91-01 3M Plat Addition Site Plan<br>S91-09 3M Plant Boiler Room Addition<br>S95-11 3M Plant Oil Containment<br>2015 Commercial Liability Partners worked with the WV DEP on a voluntary remediation program to prepare for resale for industrial uses |
| Concept Plan Status: | Submitted: 09/27/2024<br>Sufficiency Letter, with minor comments: 10/01/2024<br>Planning Commission Determined Concept Plan Incomplete: 11/12/2024 |

Staff Report
Jefferson County Planning Commission
December 17, 2024

**Sidewinder Enterprises, LLC Revised Concept Plan Public Workshop (PC File: 24-6-SP)**

## Introduction and Summary of Request

The Concept Plan for Sidewinder Enterprises, LLC consists of the following:

- The phased development of two Bottling Facility buildings on two separate parcels with a total of 1,000,000 square foot in building area
  - 304,000 square foot for proposed phase 1 Bottling Facility
  - 696,000 square foot for proposed phase 2 Bottling Facility
- A non-residential minor subdivision to create four parcels
  - Two parcels for two bottling facilities
  - One parcel for the existing facility (former 3M Plant)
  - One parcel for water treatment facility
- 569 paved parking spaces
- Two proposed access easements
- Stormwater management facilities

## Zoning Determination

1. The two heavy manufacturing and distribution structures totaling up to 1 million square feet proposed to be located on the site of the former 3M/Kodak Plant are permitted on Parcel 07002200090000 which is zoned Industrial Commercial and has historically been used for industrial/manufacturing uses.
2. The proposed groundwater wells in the Rural Zoning District are permitted in accordance with the following excerpts from the Jefferson County Subdivision and Land Development Regulations and WV Code 8A:
   - Per Division 20.200 of the Jefferson County Subdivision and Land Development Regulations states that "developments for the purpose of extraction or harvesting of resources and for roads on agricultural land for the purpose of conducting the agricultural operation" are excluded from processing under the Subdivision Regulations.
   - Per WV Code Section 8A-7-10 "Effect of Enacted Zoning Ordinance" states the following:
     - (d) If a use of a property that does not conform to the zoning ordinance has ceased and the property has been vacant for one-year, abandonment will be presumed unless the owner of the property can show that the property has not been abandoned: *Provided*, That neither the absence of natural resources extraction or harvesting nor the absence of any particular agricultural, industrial or manufacturing process may be construed as abandonment of the use. If the property is shown to be abandoned, then any future use of the land, buildings or structures shall conform with the provisions of the zoning ordinance regulating the use where the land, buildings or structures are located, unless the property is a duly designated historic landmark, historic site or historic district.
     - (e) Nothing in this chapter authorizes an ordinance, rule or regulation preventing or limiting, outside of municipalities or urban areas, the complete use (i) of natural resources by the owner; or (ii) of a tract or contiguous tracts of land of any size for a farm or agricultural operation as defined in §19-19-2 by the owner. For purposes of this article, agritourism includes, but is not limited to, the definition set forth in §19-36-2.

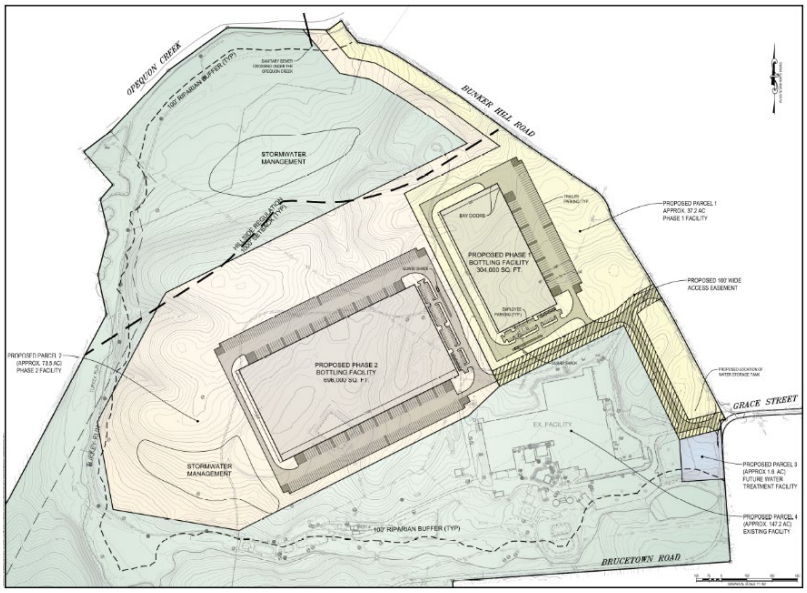
Staff Report
Jefferson County Planning Commission
December 17, 2024

**Sidewinder Enterprises, LLC Revised Concept Plan Public Workshop (PC File: 24-6-SP)**

## Site Plan Category

Section 20.204 Subdivision Regulations identifies a project as a *Major Site Development* if the proposal "require the development of new infrastructure or the extension of off-tract infrastructure or where the proposal does not meet the definition of a minor site development." A major site development shall adhere to Full Site Plan requirements in all proposals.

Therefore, a Major Site Plan, with a Concept Plan, will need to meet all the requirements of the Subdivision regulations. The first step in processing this Site Plan is this Concept Plan and the required Public Workshop. The graphic above depicts the proposed project.




## Staff Determination of Application Sufficiency and Concept Plan Completeness Review

In accordance with the current Subdivision Regulations, the Major Site Plan Concept Plan process incorporates a sufficiency and completeness review in a single step. Upon submission and review of the applicant's Concept Plan, Staff found the submitted plan "sufficient" (i.e. meeting all requirements of Section 24.119 of the Jefferson County Subdivision and Land Use Regulations). These requirements, as well as the current review status for each requirement for the proposed Mountain Pure project, are provided below:

| | Description | Status |
|---|---|---|
| **1. General Location** | A map or aerial photograph showing an area of 500 feet around the property. Zoning boundaries shall be located on this document. | Provided on the Concept Plan |
| **2. Concept Plan** | In accordance with the content and formatting guidelines provided in Appendix A, *Plan & Plat Standards*. | Provided |
| **3. Zoning Information** | a) Zoning District in which the proposed development is located.<br>b) Density calculations.<br>c) Site resource map<br>d) Use designation for all adjoin and confronting parcels | Provided |
| **4. Proposal Description** | A written description of the proposal with general identification of the number of dwelling units or floor area proposed, commentary, zoning, and development option selected if the development is residential. | Provided on the Concept Plan |

| | | |
|---|---|---|
| **5. Traffic Impact Data** | a) Average Daily Trip (ADT) figures for the adjoining or accessible State road.<br>b) Trip generation figures<br>c) Nearest key intersection that will serve the proposed project as classified by the current Comprehensive Plan.<br>d) "Highway Problem Areas" according to the current Comprehensive Plan that falls within a one-mile radius of the project. | ADT is 29 for Bunker Hill Rd; 812 for Grace St; and 3,055 for Leetown Rd;<br>Trip Generation: Peak Hour Trips est. to be 800 trips;<br>Key intersection: Leetown Rd and Middleway Pk;<br>Highway Problem Area #36 |
| **6. Traffic Study** | A traffic study may be required only at the request and direction of the West Virginia Division of Highways. Any required traffic study or a letter from the West Virginia Division of Highways outlining the proposed improvements shall be received with the first submission of the Site Plan. | Jefferson County defers to the WV DOH regarding whether a Traffic Impact Study is required |
| **7. Agency Reviews** | The applicant shall distribute the concept plan to all reviewing agencies found in Section 23.203 and 23.204 no later than 7 days after the review. | Letters to required agencies provided. Responses received are below. |
| **D. Department** | The Department review shall include the following:<br>1. Whether the density, use, and plan meet the requirements of the Zoning Ordinance and any other zoning issues that can be identified at the Concept Plan submission and any zoning issues the developer shall address in a Site Plan submittal.<br>2. Staff opinion as to whether the plan meets the Site Plan criteria of these Regulations. The Department shall review the Concept Plan for modifications that would improve the plan. | Staff determined that the proposed Concept Plan meets the requirements of the Zoning Ordinance and the Subdivision Regulations as a Major Site Development with a Concept Plan. |
| **E./F. WVDOH** | WVDOH shall submit a letter to the Office of Planning and Zoning indicating issues and data requirements or notice that there are no issues or data requirements. If WVDOH determines that a traffic study is needed, parameters shall be provided. The review shall indicate whether a traffic impact study will be required based on analysis required in Section 24.119.B.5. | No response has been received from WV DOH at this time. |
| **G. Public Service** | The review shall indicate whether there are existing water and sewer systems in place that can handle the development. If not, the review shall indicate the type or extent of a system that shall be proposed by the developer to best meet the County's needs in that area of the County. | This project is proposed to be served public water and sewer by Berkeley County Public Service Water and Sewer Districts. |
| **H. Recommended Conditions** | All reviews shall contain recommended conditions for moving forward to a site plan or reasons why the plan should be denied. | See below |

## Concept Plan Review

1. External Agency Reviews (attached)

   Comments have been received from the following agencies (see attached):

   a. The applicant has provided "Intent to Serve" letter from Berkeley County Public Service Sewer District stating that domestic sewer service will be provided (but not for process water).
   b. The applicant has provided "Intent to Serve" letter from Berkeley County Public Service Water District stating that a mainline extension is required and that water service up to 10,000 gallons per day can be provided.
   c. Historic Landmarks Commission provided a letter objecting to the proposed project based on the anticipated negative impact on historic Middleway caused by the increased truck traffic required by the proposed project.

   As of this date, no other agency review comments have been received.

2. Input received by staff from External Agencies

   Charles Town Utility Board (CTUB) has confirmed that it holds the permit from the Division of Highways to allow the proposed pipeline to connect parcel 34 to parcel 9 through the DOH right-of-way.

   The WV Department of Health (DH) has confirmed that the applicant has an active water well construction permit and part of the permitting process required a water well pump test to determine if withdrawal will impact other local wells. Any withdrawals above the approved pump test rate would require a new well pump test.

   The Division of Highways has approved the Traffic Impact Study for the redevelopment of the site.

3. Staff Recommendation related to Concept Plan

   The Subdivision Regulations state that unless there are reviews indicating that the development cannot conform to the Zoning Ordinance, be serviced by public services, or provide its own utilities, or other factors that make the development impossible, Planning staff is required to accept or deny the concept plan as complete. Upon accepting the application as complete, Planning staff is required to place it on the next possible Planning Commission agenda as a public workshop, which is advertised at least fourteen (14) days in advance of the meeting and posted on the property.

   Planning staff had found that the Concept Plan for the proposed Mountain Pure phased development plan to be "Complete" based on the information provided prior to the November 12th Public Workshop. Following the Public Workshop, Planning Commission found the Concept Plan to be "Incomplete", as it did not provide information on all parcels affiliated with the project. Additional information was submitted by the applicant on November 15th and staff determined it addressed what Planning Commission deemed would be necessary for the Concept Plan to be "Complete". This information included parcel information of two additional parcels included in the project and the proposed pipeline that would provide the process water to the proposed facilities. Additional information was provided including a reduction in the trip generation data based on the TIS, additional proffers, and data on the supply well.

The Office of Planning and Zoning Staff finds the Concept Plan for the proposed Mountain Pure phased development plan, located along Brucetown Rd and Bunker Hill Rd at the intersection with Grace Street, to be "complete" based on the information provided related to the criteria above; however, the following standards will need to be addressed prior to approval of the Site Plan, which is expected to be submitted in phases:

a. WV DOH approval for the proposed entrances, and any Traffic Impact Study recommendations, if required, will be required in conjunction with the Site Plan.

b. Water and sewer utility permits from Berkeley County Public Service Water and Sewer Districts will be required in conjunction with the Site Plan.

Prior to Site Plan approval, any state permits related to wells and groundwater extraction will be required to be submitted to the County for our files.

4. Planning Commission Direction

The Concept Plan Public Workshop allows for the Planning Commission and the general public to comment on the proposed plan before complete engineering design and cost are incurred. The Subdivision and Land Development Regulations outline the procedure:

1. The applicant makes a short presentation.
2. Staff explains outside agency comments and whether the plan can meet the standards of the Zoning Ordinance.
3. Public comment is solicited.

Following the applicant's presentation, staff's explanation, and the solicitation of public comment, the Planning Commission shall provide direction to the applicant as required under Concept Plan Direction outlined in the Subdivision Regulations. The Planning Commission has the option of providing this direction at the same meeting during which the Concept Plan public workshop takes place, or at a subsequent meeting that occurs within 14 days of the meeting at which the Concept Plan public workshop is closed.

Section 24.121 of the Subdivision and Land Development Regulations outlines the direction to be provided to the applicant during a Minor Site Plan Concept Plan review:

> "The Planning Commission shall direct the preparation of a Site Plan subject to conditions to be addressed in the site plan application. The purpose of this review is to guide the developer so that when the site plan application is formally reviewed by the staff, there should not be a whole range of issues being raised for the first time. The developer shall cite conditions and demonstrate that they have been met or otherwise addressed."

It should be noted that the direction provided to the applicant in the Major Site Plan Concept Plan Public Workshop shall be applicable for a period of two years, with the provision that any amendments to the Subdivision and Land Development Regulations or the Zoning and Land Development Ordinance in the second year shall be applicable.

**ATTACHMENTS:**

- Jefferson County Historic Landmarks Commission e-mail (11-5-24)
- Berkeley County Public Service Sewer District (8-18-21)
- Berkeley County Public Service Water District (5-28-24)
- Traffic Impact Study (5-1-23)

November 5, 2024

To: Jefferson County Planning Commission Members

| | |
|---|---|
| | Integrity Federal Services |
| Project Name: | Mountain Pure |
| Project/Phase: | 3138-0102 – Concept Plan |

The Jefferson County Historic Landmarks Commission (JCHLC) reviewed the concept plan for the Mountain Pure project and objects based on the traffic impact study alone. Increased truck traffic in the village of Middleway, which is listed on the National Register of Historic Places as a Historic District, would destroy the village's charm. As an advocate for the preservation of the village's unique character, I believe allowing heavy truck traffic through its historic streets not only threatens the integrity of the village's architectural heritage but also poses a serious risk to the safety and well-being of the community.

Middleway dates to the 18th and 19th centuries, and is home to many significant historical structures, each carefully preserved to reflect the rich cultural legacy of the area. The narrow streets and historic buildings are integral to the village's charm and historical value both for residents and visitors. Heavy truck traffic will lead to further erosion of the historic infrastructure. The vibrations and heavy loads risk damaging delicate structures and eroding the village's historic fabric in ways that may be irreversible.

In addition to the physical damage to our heritage, the presence of large trucks disrupts the pedestrian-friendly atmosphere that defines the village. The increased noise, air-pollution, and safety hazards associated with such traffic would affect the quality of life for residents. The streets were never designed to accommodate such traffic volumes and access by large trucks presents a threat to public safety and the integrity of the village's heritage

In conclusion, JCHLC objects to this plan based on the traffic impacts on the village of Middleway. JCHLC urges the JC Planning Commission to require an alternate route that bypasses the historic core of the village.

Thank you for your attention to this matter,

Martin Burke

Martin Burke
Chair, JCHLC

cc: Jennie Brockman

BERKELEY COUNTY
**PUBLIC SERVICE SEWER DISTRICT**
P.O. Box 944
Martinsburg, WV 25402
Phone: (304) 263-8566
Fax: (304) 267-7478

Board of Directors:
John Kunkle, Chairman
John E. Myers, Secretary
Greg Rhoe, Treasurer

Curtis B. Keller
General Manager

August 18, 2021

Mr. Jason Gerhart
Gordon
148 S Queen Street, Suite 201
Martinsburg, WV 25401

Re: Intent to Serve – Middleway Property – Map 2, Parcel 9

Dear Mr. Gerhart

This letter is to provide notice of the Berkeley County Public Service Sewer District's intention to serve the proposed Middleway Property, located in Jefferson County, Map 2, Parcel 9. The sewer service for this property is for domestic purposes only and not for any process water with an estimated 10,000 gpd maximum. All design and construction of on-site and off-site line extensions including the Opequon Creek crossing will be the responsibility of the contractor.

The District will provide sanitary sewer service to the project and may enter into a COVA Agreement with the developer for construction of the necessary improvements, which may include both on-site and off-site improvements along with an on-site pump station. Individual applications will need to be completed and payment of the tap fee may be required before construction of the project on the lot(s) will be permitted.

If you have any questions, please feel free to call my office at 304-263-8566.

Sincerely,

Rodney Hanes
Assistant General Manager

Berkeley County Public Service Sewer District
PO Box 944, Martinsburg, WV 25402
Telephone Direct 304-263-8566

# BERKELEY COUNTY PUBLIC SERVICE WATER DISTRICT

**251 Caperton Blvd.**
**Martinsburg, WV 25403**
**Telephone: 304.267.4600 & FAX: 304.267.3864**

To Whom It May Concern:

**INTENT TO SERVE PUBLIC WATER**
**FOR SUBDIVISIONS AND/OR LAND DEVELOPMENTS**

Property Owner: Sidewinder Enterprises, LLC
4340 Von Karmen
Ste 380
Newport Beach, CA 92660

Phone: (310)365-5183

Property Location: Jefferson Co Tax Map 22 Parcels 3.01, 9, 32, 34 and Map 22B Parcel 19.02
Property Address: TBD

Description of Proposed Project: Commercial/Industrial (2 lot subdivision with 2 services)

[ ] Has public water service. Water main of adequate size exists in the public right-of-way adjoining the property. All lots must have frontage on public main in order to have water service. All lots of proposed subdivision/land development that do not have frontage on an existing water main will require a mainline extension for water service. As the details of the project are reviewed and hydraulic model evaluations are determined, additional infrastructure provisions, onsite and offsite, may be required to ensure adequate service to existing customers as well as the proposed development.

[x] Requires a mainline extension for public water service to and/or within the proposed subdivision/land development. Interior of proposed subdivision/land development will require a mainline extension for water service. The Developer shall execute an alternate mainline extension agreement with the District for the above noted project which must be approved by the Public Service Commission of West Virginia. Pursuant to the agreement not to exceed 10,000 gallons of water per day. Proposed mainline extension is from the District's existing main on Specks Run Road. All mainline extensions shall be completed in accordance with the Berkeley County Public Service District Developer Policy, Procedures and Standards for Water Systems.

This Intent to Serve Public Water is only an intent to serve water. Water service is not guaranteed until a tap application (i.e., a formal request for immediate and continuous service) is approved for an individual lot(s). This Intent to Serve Public Water does not convey District acceptance or approval of the proposed project for permitting by State or other regulatory agencies.

**This Intent to Serve Public Water expires one year from date of issue.**

BERKELEY COUNTY PUBLIC SERVICE WATER DISTRICT

By: Robin Shade Date: May 28, 2024

Its: District Representative

**FOR PLAN REVIEW PURPOSES ONLY. NOT TO BE USED TO OBTAIN BUILDING PERMIT.**

# 3M Site Redevelopment Traffic Impact Study
# Middleway, Jefferson County, WV

**AMT Project File 22-0284.001 | May 1, 2023**

**PREPARED FOR:**
Sidewinder Enterprises, LLC
1 Grace Street
Kearneysville, WV 25430

A. MORTON THOMAS AND ASSOCIATES, INC.


**PREPARED BY:**
Caleb Glaser, P.E., PTOE
A. Morton Thomas and Associates, Inc.
417 Grand Park Drive, Suite 104
Parkersburg, WV 26105
(304) 400-4952


CALEB GLASER
REGISTERED
25104
STATE OF
WEST VIRGINIA
PROFESSIONAL ENGINEER

Signature: Date: 05/01/2023

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# EXECUTIVE SUMMARY

This report summarizes existing and future traffic analyses conducted in support of the 3M Redevelopment Industrial Development. The proposed development is to be located west of CR 1 at the end of Grace Street in Middleway, Jefferson County. The proposed site plan includes one light industrial facility comprising 1,000,000 square feet (sf) and is expected to be built-out by 2024.

The proposed development is anticipated to be served by one existing site driveway connecting with Grace Street. Site Drive #1 is to be located approximately 2,000 feet west of CR 1 connecting with Grace Street from the west and will operate as full movement approach with two-way stop-control (TWSC). This is an existing approach at the intersection that was used by the previous tenant.

Traffic analysis will consider future conditions at the anticipated build-out year of 2024. This report summarizes the analyses of 2022 Existing conditions, 2024 No-Build conditions (without the proposed development in place), 2024 Build conditions (with the proposed development in place), and 2024 Build Improved conditions (with the proposed development and improvements in place) during the weekday AM and PM peak hours. The annual growth rate of 1.41% was obtained from WVDOH Performance Management Division near the development in Jefferson County.

AMT (A. Morton Thomas and Associates, Inc.) was retained to determine the projected traffic impacts of the proposed development in accordance with the guidelines set forth by the WVDOH (Division of Highways) in Traffic Engineering Directive (TED) 106-2. The intent of the study is to fully examine the impacts of the traffic generated by the development on the existing transportation system and identify potential mitigation measures. This report presents trip generation, trip distribution, intersection capacity analysis, queuing analysis, signal warrant analysis, and recommendations for transportation improvements necessary to meet anticipated traffic demands.

Based upon review of the site plan and adjacent transportation network and following scope of work coordination with the WVDOH, the following three existing intersections are included within the scope of the Traffic Impact Study (TIS) for the proposed 3M Redevelopment Industrial development:

1) CR 1 (Leetown Road) with WV 51 (Middleway Pike) *(TWSC Plus type intersection)*
2) CR 1 (Queen Street) with Charles Street/Old Middleway Road (CR 1/7) *(TWSC Plus type intersection)*
3) CR 1 (Queen Street) with Grace Street *(TWSC Plus type intersection)*

**Traffic Volume**

Peak hour turning movement counts were collected at the existing intersections on Friday May 13, 2022 between the hours of 7-9 AM and 3-6 PM. On this date, Jefferson County Schools were fully operational with in classroom instruction for all students. A full 13-hour turning movement count was collected at the intersection of WV 51 with CR 1 on Friday July 8, 2022 between the hours of 6 AM-7 PM in order to analyze signal warrants under existing conditions.

The proposed development is expected to be complete in 2024. The 2024 No-Build traffic volumes include the existing 2022 traffic volumes and the anticipated annual traffic growth prior to 2024. The growth rate of 1.41% was applied to the existing peak hour traffic counts in order to analyze the study intersection operations in 2024 without the site development in place.

The 2024 Build Conditions include the existing 2022 traffic volume, the anticipated annual traffic growth prior to 2024, and the traffic generated by build-out of the 3M Redevelopment Industrial development. Site generated traffic was distributed into the transportation network based upon existing traffic patterns and anticipated origin and destination of the new site trips.

**Site Trip Generation and Distribution**

The proposed site will be a redevelopment of 300-acre industrial property comprising 1,000,000 sf with an expected number of 200 employees. Additionally, the site is expected to generate approximately 160 trucks/day arriving at various times during the day. The anticipated truck volume is a conservative estimate based upon information provided by Sidewinder Enterprises, LLC. Trip generation "Peak Hour of Generator" rates from ITE Trip Generation Manual, 10th Edition, were utilized for General Light Industrial (LUC 110). Trip generation analysis indicates that a total of 610 new daily employee trips will be generated including, 134 AM peak hour trips, and 136 PM peak hour trips. A conservative estimate of 15% of truck trips occurring in the AM peak hour and 15% occurring in the PM peak hour was applied. Resulting in 24 truck trips being induced during the AM peak hour and 24 truck trips being induced during the PM peak hour. The truck trips are expected to enter and exit the development within the same peak hour.

The AM and PM peak hour trips to/from the proposed site were distributed based upon interpolation from current traffic patterns with all trips entering the development via Grace Street. Distribution of the new external trips are as follows:

New External Trips:

- 10% to/from the south on CR 1
- 90% to/from the north on CR 1
    - 35% to/from the west on WV 51
    - 25% to/from the east on WV 51
    - 10% to/from east on CR 1/7 via WV 51
    - 20% to/from the north on CR 1

**2022 Existing Conditions Analysis**

The results of the 2022 existing conditions capacity analyses indicate that one traffic movement currently operates worse than LOS D, which is considered the minimum tolerable level. Traffic movements that currently operate worse than LOS D include the following (movements shown in bold type indicate they first appear in the milestone analysis being discussed):

- ***CR 1 northbound approach to WV 51 LOS F during PM peak hour***

**2024 No-Build Conditions Analysis**

The results of the 2024 No-Build Conditions capacity analyses indicate that traffic movements that operate worse than LOS D during the 2022 Existing Conditions are anticipated to continue. No additional turning movements are expected to operate worse than LOS D. Traffic movements that are anticipated to operate worse than LOS D include the following:

- *CR 1 northbound approach to WV 51 LOS F during PM peak hour*

**2024 Build Conditions Analysis**

The results of the 2024 Build Conditions capacity analyses indicate that traffic movements that operate worse than LOS D during the 2024 No-Build Conditions are anticipated to continue. Traffic movements that are anticipated to operate worse than LOS D include the following:

- *CR 1 northbound approach to WV 51 LOS F during PM peak hour*

**2024 Build Improved Conditions**

Improvements included in the 2024 Build Improved Conditions consist of installing a traffic signal at the WV 51 with CR 1 intersection and construction of exclusive left-turn lanes on both WV 51 approaches to CR 1. These improvements increase capacity and eliminate capacity issues at the intersection.

The results of the 2024 Build Improved Conditions capacity analyses indicate that traffic movement that operate worse than LOS D during the 2024 Build Conditions are anticipated to be mitigated following implementation of proposed improvements. No traffic movements are anticipated to operate worse than LOS D.

**Signal Warrant Analysis**

A full 13-hour turning movement count was collected for the intersection Friday July 8, 2022 between the hours of 6 AM and 7 PM. The 13-hour count was collected to analyze MUTCD Warrant 1, 2, and 7 for existing conditions. *Pagones Theorem* was utilized to reduce the number of right turns included in the minor street approach volume.

After applying the warrant criteria for 2022 Existing Conditions, five of the eight hours meet the combined criteria set for Warrant 1A, three hour meets the criteria for Warrant 1B, and seven hours meet the criteria for combination of Warrant 1A & 1B of the Major and Minor street volumes set in the "70%" conditions. Warrant 1 is **NOT MET**.

After applying the warrant criteria for 2022 Existing Conditions four of the 13 hours counted meet the combined criteria for Warrant 2. Warrant 2 is **MET**.

Based upon an evaluation of the intersection crash data, there were seven reported crashes that occurred at the intersection within the 12-month period of January 16, 2019 – January 15, 2020 that are potentially correctable by the installation of a traffic signal. All seven of these crashes were right angle crashes that are typically correctable by installation of a traffic signal. Warrant 7 is **MET**.

**Conclusions/Recommendations**

Based on the findings of this study, the following capacity infrastructure improvements are recommended to mitigate existing transportation issues unrelated to the 3M Redevelopment Industrial development:

**WV 51 with CR 1**

- Install a traffic signal at the intersection of WV 51 with CR 1. This measure increases capacity and improves LOS for the CR 1 northbound and southbound approaches. Analysis indicates that the MUTCD Warrant 2 (Four-Hour Volume) and MUTCD Warrant 7 (Crash Experience) criteria are met

during Existing Conditions. The traffic signal is proposed to include permitted left-turn phasing on both WV 51 approaches and split phasing on the CR 1 approaches due to the skewed alignment to WV 51. WVDOH is already in the early planning stages to install a traffic signal at the intersection but nothing is finalized yet.

- Construct an exclusive left-turn lane on the WV 51 eastbound approach to CR 1. The anticipated queuing from the left-turn movement is estimated to be approximately 80 feet during the 2024 Build Improved Conditions PM peak hour. The WV 51 eastbound exclusive left-turn lane should be constructed to provide 150 feet of full-width storage with appropriate taper.

- Construct an exclusive left-turn lane on the WV 51 westbound approach to CR 1. The anticipated queuing from the left-turn movement is estimated to be approximately 62 feet during the 2024 Build Improved Conditions AM peak hour. The WV 51 westbound exclusive left-turn lane should be constructed to provide 150 feet of full-width storage with appropriate taper.

# INTRODUCTION

This report summarizes existing and future traffic analyses conducted in support of the 3M Redevelopment Industrial Development. The proposed development is to be located west of CR 1 at the end of Grace Street in Middleway, Jefferson County. The proposed site plan includes one light industrial facility comprising 1,000,000 sf and is expected to be built-out by 2024.

The proposed development is anticipated to be served by one existing site driveway connecting with Grace Street. Site Drive #1 is to be located approximately 2,000 feet west of CR 1 connecting with Grace Street from the west and will operate as full movement approach with TWSC. This is an existing approach at the intersection that was used by the previous tenant.

Traffic analysis will consider future conditions at the anticipated build-out year of 2024. This report summarizes the analyses of 2022 Existing conditions, 2024 No-Build conditions (without the proposed development in place), 2024 Build conditions (with the proposed development in place), and 2024 Build Improved conditions (with the proposed development and improvements in place) during the weekday AM and PM peak hours. The annual growth rate of 1.41% was obtained from WVDOH Performance Management Division near the development in Jefferson County.

AMT was retained to determine the projected traffic impacts of the proposed development in accordance with the guidelines set forth by the WVDOH in TED 106-2. The intent of the study is to fully examine the impacts of the traffic generated by the development on the existing transportation system and identify potential mitigation measures. This report presents trip generation, trip distribution, intersection capacity analysis, queuing analysis, signal warrant analysis, and recommendations for transportation improvements necessary to meet anticipated traffic demands.

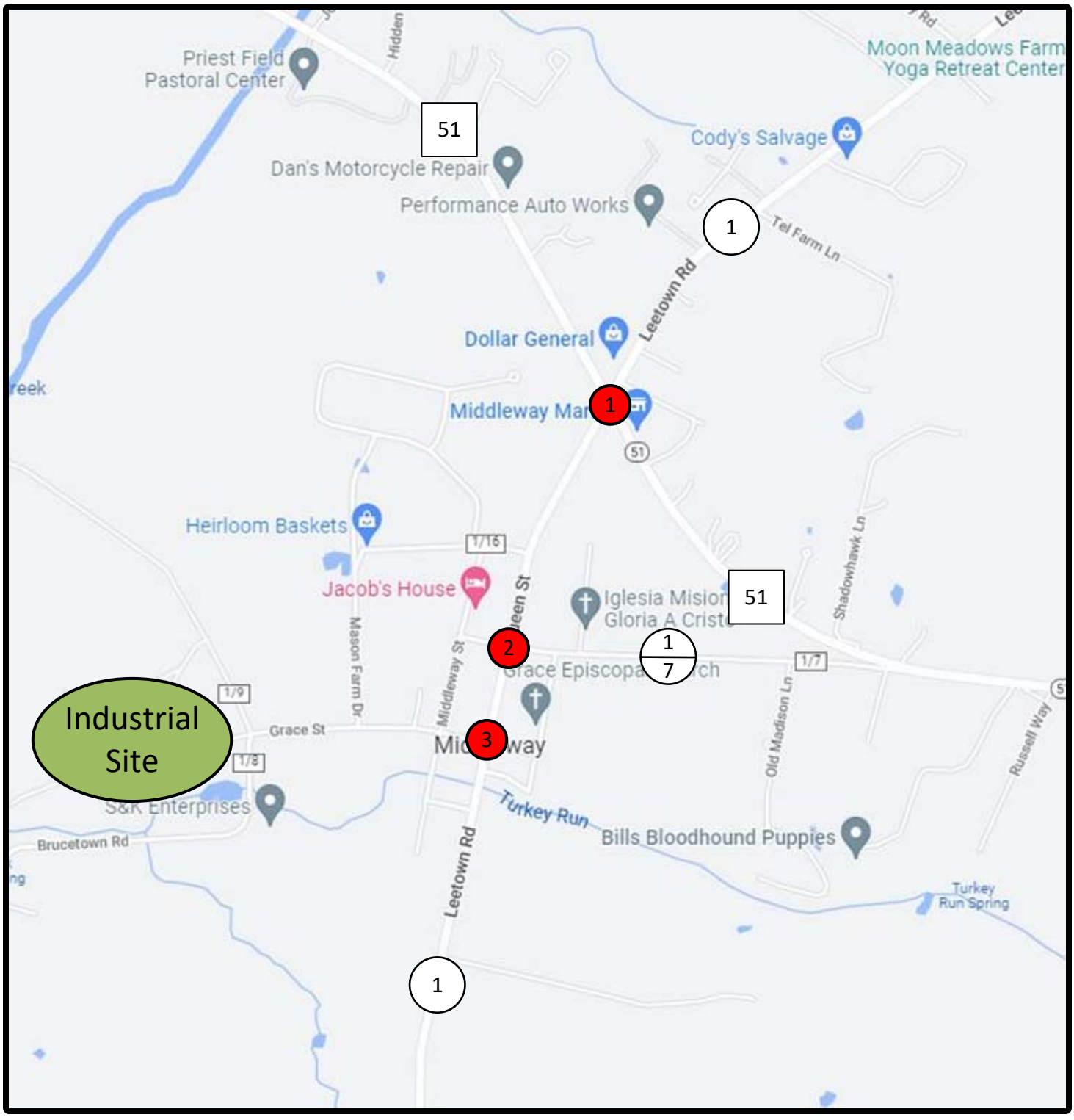
AMT coordinated with WVDOH to determine the intersections to be studied within the scope of work, preliminary trip generation, distribution, and study methodology for this TIS. A copy of the approved SOW document is included in **Appendix F**.

# STUDY AREA DESCRIPTION

Based upon review of the site plan and adjacent transportation network and following scope of work coordination with the WVDOH, the following three existing intersections are included within the scope of the TIS for the proposed 3M Redevelopment Industrial development:

1) CR 1 (Leetown Road) with WV 51 (Middleway Pike) *(TWSC Plus type intersection)*
2) CR 1 (Queen Street) with Charles Street/Old Middleway Road (CR 1/7) *(TWSC Plus type intersection)*
3) CR 1 (Queen Street) with Grace Street *(TWSC Plus type intersection)*

The study area and key intersections are shown on **Figure 1** and the proposed site plan is shown on **Figure 2**.




## LEGEND

= Development

= Existing Intersection

N

NOT TO SCALE

**3M Redevelopment TIS**

Site Location Map

**DATE:** May 2023

**FIGURE 1**

200 100 0 200 400 600

GRAPHICAL SCALE: 1" = 200'

WV COORD. SYSTEM 1983, NORTH ZONE

OPEQUON CREEK

BUNKER HILL ROAD

**1,000,000sf BUILDING**
**500' x 2,000'**

**Site Driveway with Grace Street**

PROPOSED DRIVE AISLE TO BUILDING TO UTILIZE EXISTING GRACE STREET ENTRANCE

GRACE STREET

BRUCETOWN ROAD

TURKEY RUN

LEGEND
- SITE BOUNDARY
- ADJACENT PROPERTY LINE
- 5' CONTOUR (USGS)
- 500 EDGE OF WATER
- 100 YEAR FLOODPLAIN
- EX. BUILDING / STRUCTURE
- PR. BUILDING / STRUCTURE
- PR. DRIVE AISLE

NOTES:
1. BOUNDARY INFORMATION OBTAINED FROM ACSM/ALTA LAND TITLE SURVEY PREPARED BY GEORGE E. NAGEL & ASSOCIATES INC. DATED 05/13/2015.
2. 100 YEAR FLOODPLAIN OBTAINED FROM FEMA INFORMATION AND IS APPROXIMATE.
3. 5' CONTOUR DATA INTERPOLATED FROM USGS QUADRANGLE INFORMATION AND IS APPROXIMATE.

**3M Redevelopment TIS**

Site Plan

**DATE:** May 2023

**FIGURE 2**

N

NOT TO SCALE

# EXISTING ROADWAY CONDITIONS

Below is a detailed description of the existing study area roadway network. AADT (Annual Average Daily Traffic) volume information was obtained from the WVDOH GIS website.

WV 51 (Middleway Pike) is an east-west two-lane two-way feeder roadway in the project area. Land use along WV 51 is primarily residential with mixed commercial development. WV 51 provides access to US 11 and I-81 to the west in Inwood and WV 9/US 340 to the east in Charles Town. The posted speed limit on WV 51 is 45 mph (miles per hour) and the AADT is 8,362 vpd (vehicles per day).

Leetown Road/Queen Street (CR 1) is a north-south two-lane two-way essential arterial roadway in the project area. CR 1 is primarily labeled as Leetown Road to the north except between the intersections with CR 1/16 (Cherry Hill Farm Drive) and South Street (Middleway Historic District) where it is labeled as Queen Street. Land use along CR 1 is primarily residential with minimal commercial properties. CR 1 will be the main point of access to the proposed site. The posted speed limit on CR 1 is 30 mph and the AADT is 2,410 vpd.

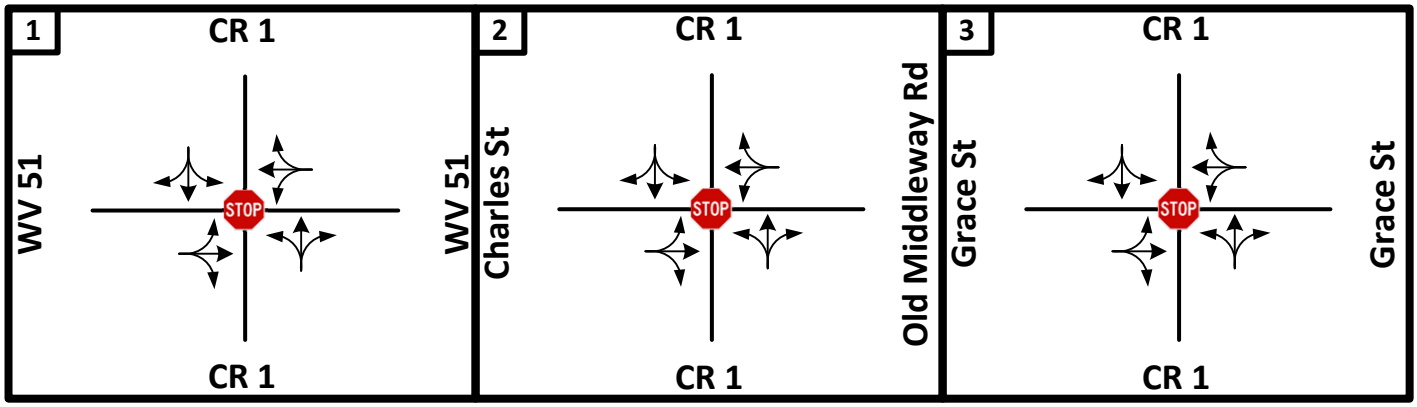
Old Middleway Pike (CR 1/7) is an east-west two-lane two-way collector roadway within the project area. CR 1/7 provides access to CR 1 to the west and WV 51 to the east. CR 1/7 intersects with CR 1 approximately 2,175 feet south of WV 51. Land use along Old Middleway Pike consists of residential properties. CR 1/7 provides as a cut-through between WV 51 and CR 1. The posted speed limit on CR 1/7 is 25 mph and the AADT is 880 vpd.

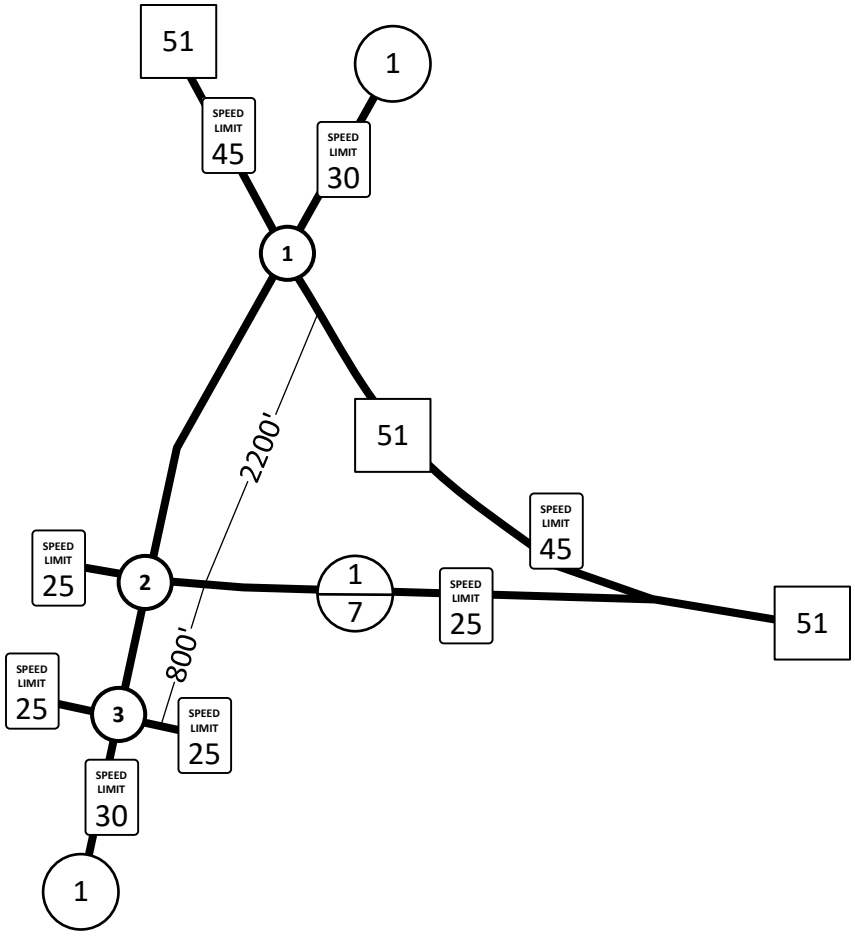
Grace Street is an east-west two-lane two-way collector roadway within the project area. Grace Street intersects with CR 1 approximately 3,000 feet south of WV 51 and will provide direct access to the proposed industrial development. The posted speed limit on Grace Street is 25 mph and the AADT is 947 vpd.

**Table 1** below provides a detailed description of the existing study area roadway network. In addition, *Estimated* Build Year AADT is included in the table which contains Existing volume, the 3M Redevelopment Industrial trips, and traffic inflation to 2024. The 2022 existing intersection lane configurations and intersection control are shown on **Figure 3**.

### Table 1: Roadway Facility Summary

| Name | Code | State Functional Classification | Area | Direction | Speed Limit | Typical Roadway Paved Width (ft) | AADT (Year) | **Estimated Build AADT (2024)** | Description |
|---|---|---|---|---|---|---|---|---|---|
| Middleway Pike | WV 51 | Feeder | Jefferson County | E-W | 45 | 26 | 8,362 (2021) | 9,183 | E-W Feeder that runs throughout the county and provides access to Charles Town while intersecting with CR 1 at the northern end of the study area |
| Leetown Road/Queen Street | CR 1 | Essential Arterial | Jefferson County | N-S | 30 | 22 | 2,410 (2021) | 3,283 | N-S Essential Arterial that provides access to Middleway while running throughout the county |
| Old Middleway Pike | CR 1/7 | Collector | Jefferson County | E-W | 25 | 20 | 880 (2022) | 982 | E-W Collector that intersects with CR 1 to the west and WV 51 to the east |
| Grace Street | N/A | Collector | Jefferson County | E-W | 25 | 20 | 947 (2017) | 1,815 | E-W Collector that intersects with CR 1/8 to the west and CR 1 to the east while being the main access road to the development |




## LEGEND

- STOP — Existing Traffic Control
- Existing Roadway
- Existing Lane Configuration
- XXX' Storage Bay Length
- SPEED LIMIT XX — Existing Posted Speed

N

NOT TO SCALE

# 3M Redevelopment TIS

2022 Existing Lane Configuration

**DATE:** May 2023

**FIGURE 3**

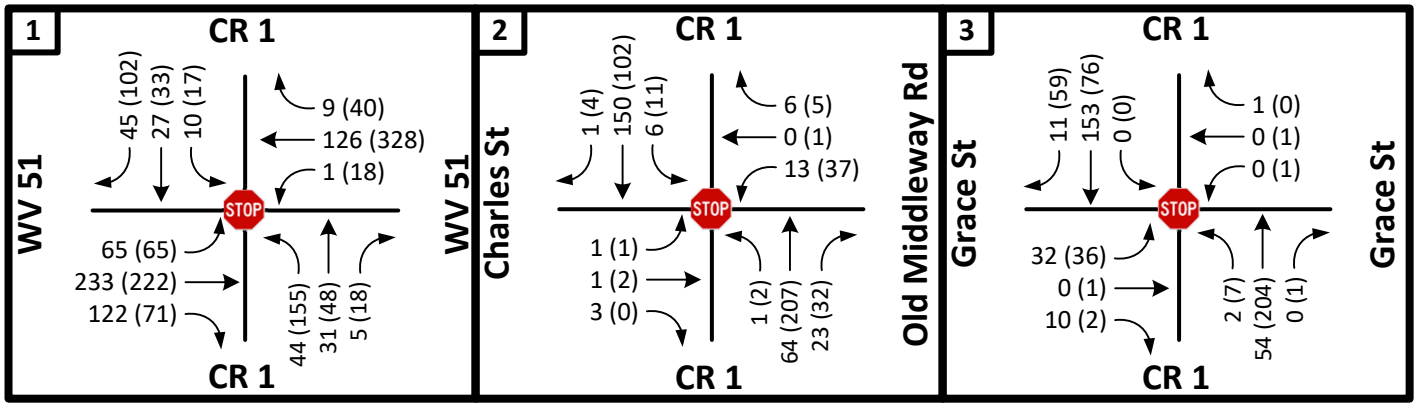
# EXISTING & NO-BUILD PROJECT TRAFFIC VOLUMES

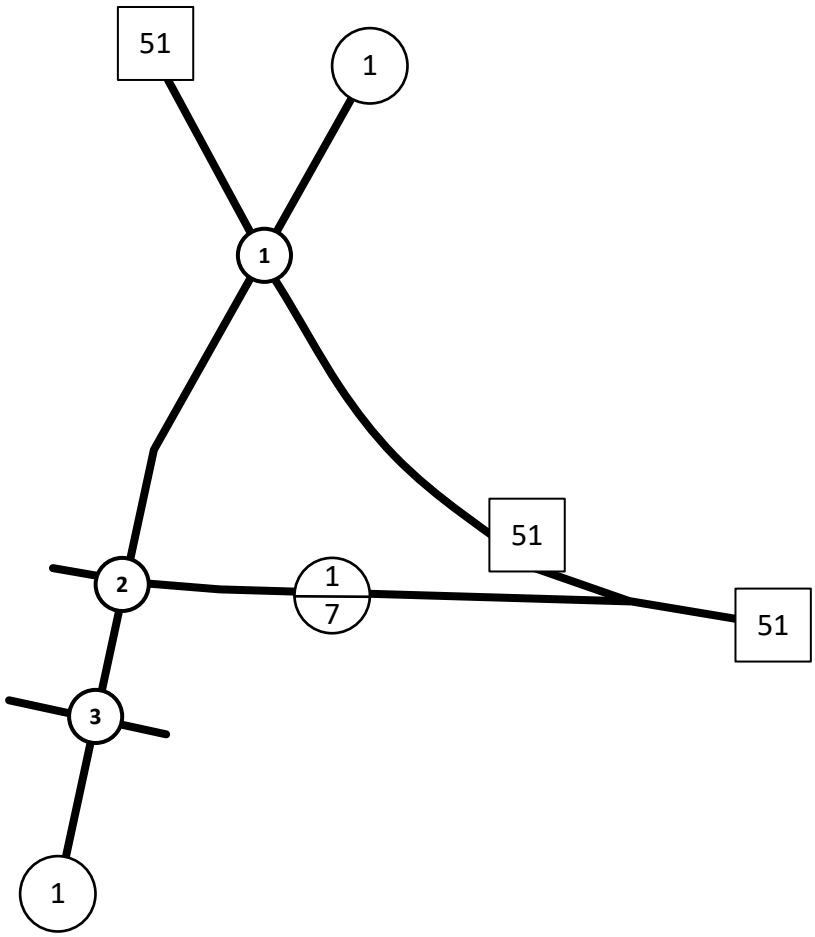
## 2022 Existing Conditions

Peak hour turning movement counts were collected at the existing intersections on Friday May 13, 2022 between the hours of 7-9 AM and 3-6 PM. On this date, Jefferson County Schools were fully operational with in classroom instruction for all students. A full 13-hour turning movement count was collected at the intersection of WV 51 with CR 1 on Friday July 8, 2022 between the hours of 6 AM-7 PM in order to analyze signal warrants under existing conditions. Traffic volume data is located in **Appendix B** and the 2022 Existing Traffic Volumes for the weekday AM and PM peak hour volumes are shown on **Figure 4**.

## 2024 No-Build Conditions

The proposed development is expected to be complete in 2024. The 2024 No-Build traffic volumes include the existing 2022 traffic volumes and the anticipated annual traffic growth prior to 2024. The growth rate of 1.41% was applied to the existing peak hour traffic counts in order to analyze the study intersection operations in 2024 without the site development in place. The 2024 No-Build Traffic Volumes for the weekday AM and PM peak hour volumes are shown on **Figure 5**.




**LEGEND**

- STOP — Existing Traffic Control
- Existing Roadway
- Existing Lane Configuration
- XX — AM Peak Hour Volume
- (XX) — PM Peak Hour Volume

N

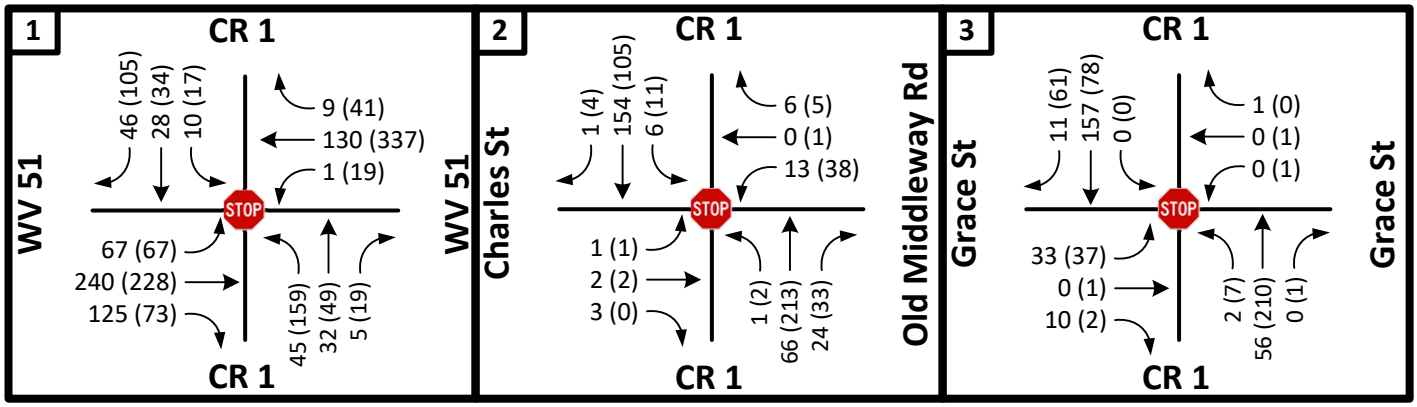
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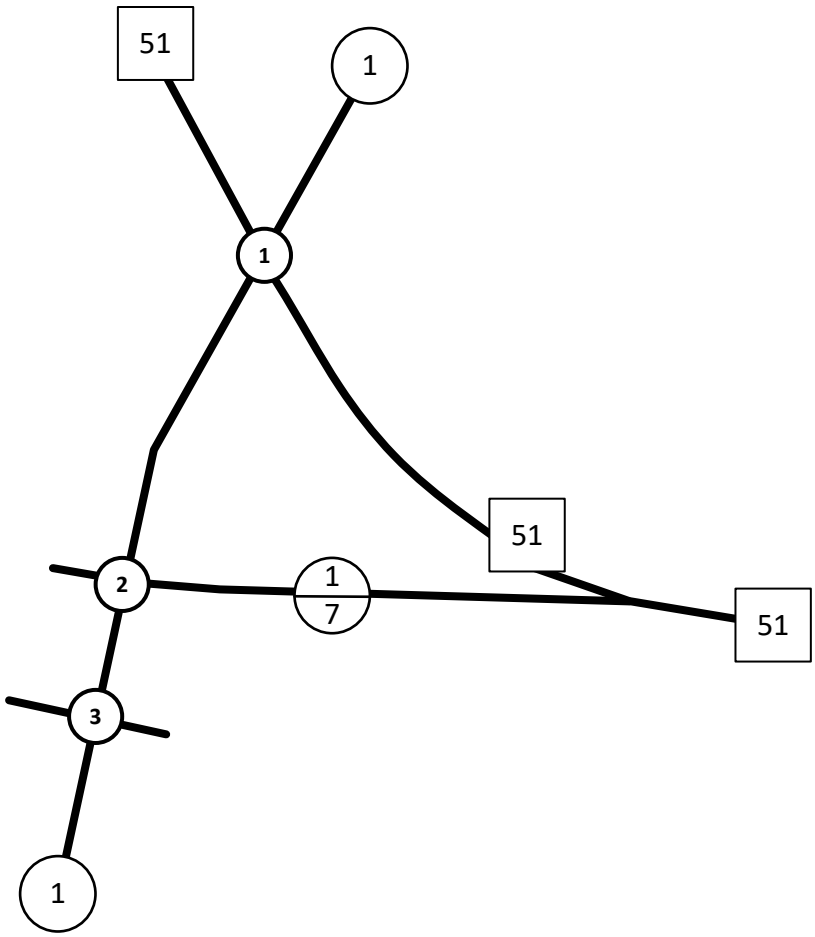
# 3M Redevelopment TIS

2022 Existing Traffic Volumes

**DATE:** May 2023

**FIGURE 4**




**LEGEND**

- STOP — Existing Traffic Control
- Existing Roadway
- Existing Lane Configuration
- XX — AM Peak Hour Volume
- (XX) — PM Peak Hour Volume

N

NOT TO SCALE

# 3M Redevelopment TIS

2024 No-Build Traffic Volumes

**DATE:** May 2023

**FIGURE 5**

## TRIP GENERATION

The proposed site will be a redevelopment of 300-acre industrial property comprising 1,000,000 sf with an expected number of 200 employees. Additionally, the site is expected to generate approximately 160 trucks/day arriving at various times during the day. The anticipated truck volume is a conservative estimate based upon information provided by Sidewinder Enterprises, LLC. Trip generation "Peak Hour of Generator" rates from ITE Trip Generation Manual, 10th Edition, were utilized for General Light Industrial (LUC 110).

As shown in **Table 2** below, the proposed development will generate a total of 610 new daily employee trips including, 134 AM peak hour trips, and 136 PM peak hour trips. A conservative estimate of 15% of truck trips occurring in the AM peak hour and 15% occurring in the PM peak hour was applied. Resulting in 24 truck trips being induced during the AM peak hour and 24 truck trips being induced during the PM peak hour. The truck trips are expected to enter and exit the development within the same peak hour.

**Table 2: Trip Generation Summary**

| Description | LUC | Density | Daily Trips | AM Peak | | | PM Peak | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Enter | Exit | Total | Enter | Exit | Total |
| Light Industrial | 110 | 200 Employees | 610 | 114 | 20 | 134 | 41 | 95 | 136 |
| | | 160 Trucks | 160 | 24 | 24 | 48 | 24 | 24 | 48 |
| **Total New External Trips** | | | **770** | **138** | **44** | **182** | **65** | **119** | **184** |

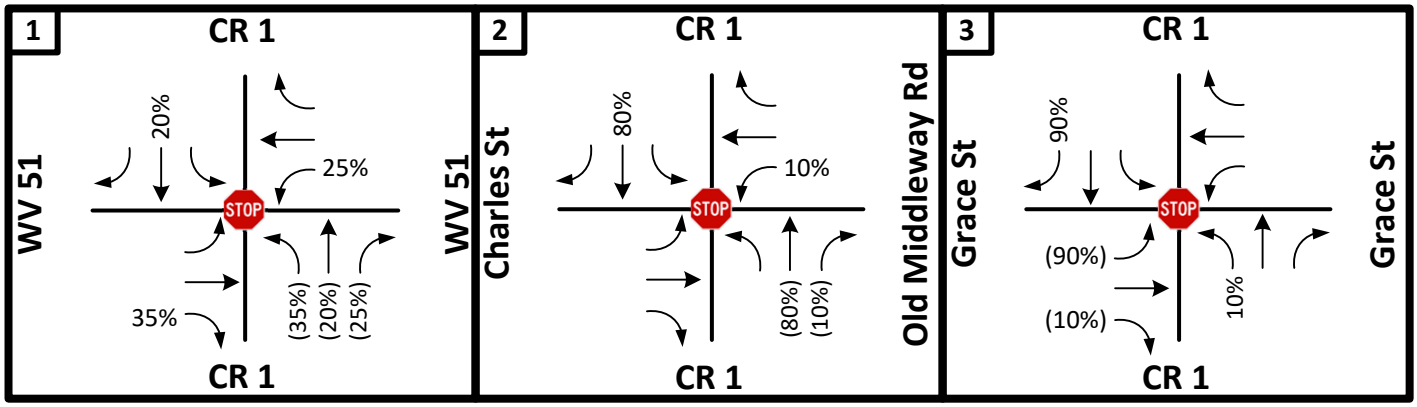
## TRIP DISTRIBUTION

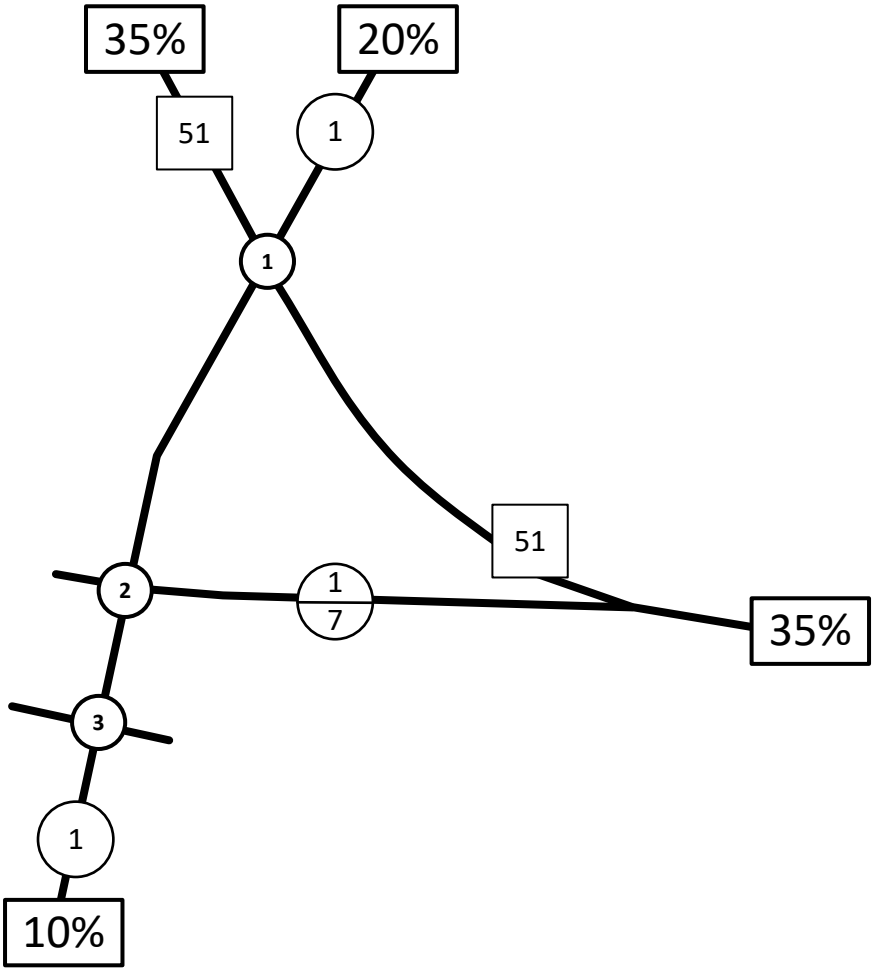
The AM and PM peak hour trips to/from the proposed site were distributed based upon interpolation from current traffic patterns with all trips entering the development via Grace Street. Distribution of the new external trips are as follows:

New External Trips:

- 10% to/from the south on CR 1
- 90% to/from the north on CR 1
    - 35% to/from the west on WV 51
    - 25% to/from the east on WV 51
    - 10% to/from east on CR 1/7 via WV 51
    - 20% to/from the north on CR 1

The external trip distribution percentages are shown in **Figure 6** and the AM and PM peak hour new site trip assignments are shown on **Figure 7**.




**LEGEND**

- STOP — Proposed Traffic Control
- Existing Roadway
- Proposed Roadway
- Existing Lane Configuration
- Proposed Lane Configuration
- XX% — Entering Trip Percentage
- (XX%) — Exiting Trip Percentage

N

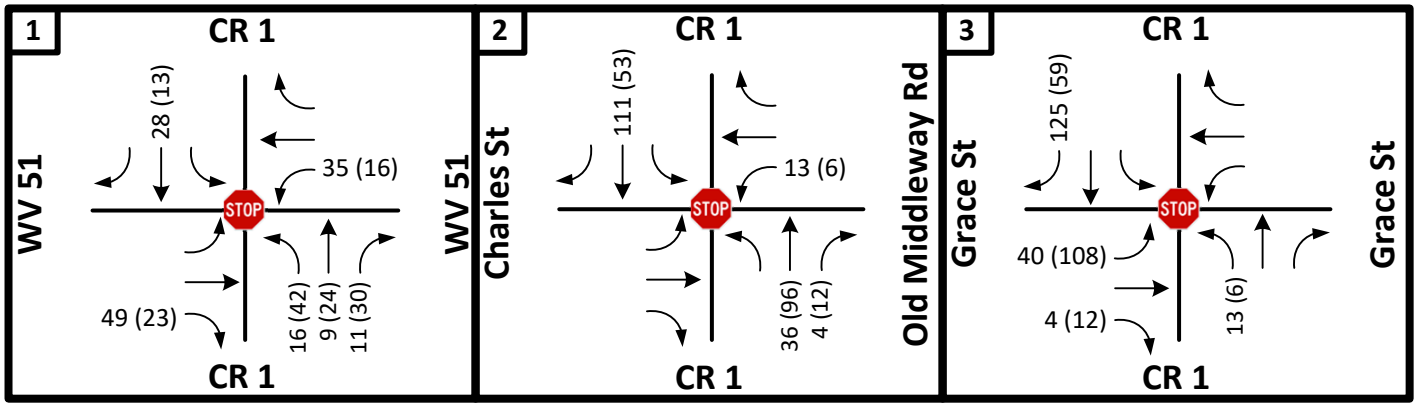
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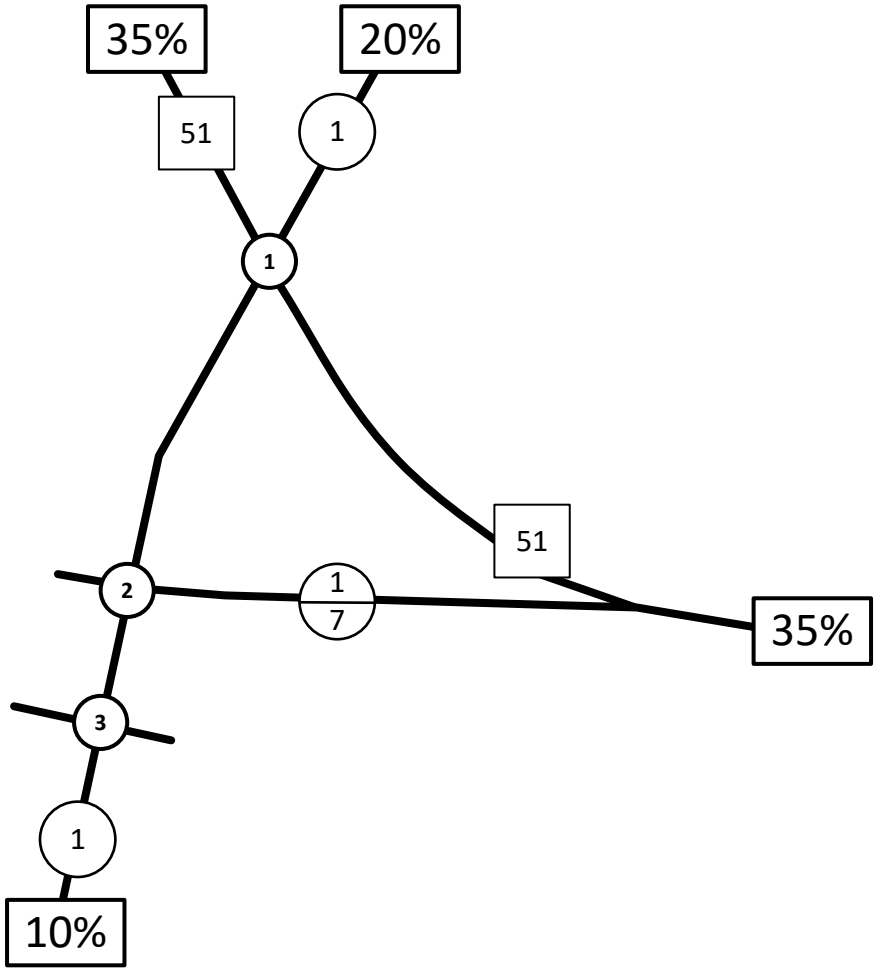
# 3M Redevelopment TIS

New Trip Distribution

**DATE:** May 2023

**FIGURE 6**




**LEGEND**

- Proposed Traffic Control
- Existing Roadway
- Proposed Roadway
- Existing Lane Configuration
- Proposed Lane Configuration
- XX AM Peak Hour Trips
- (XX) PM Peak Hour Trips

N

NOT TO SCALE

**3M Redevelopment TIS**

New Site Trip Assignments

**DATE:** May 2023

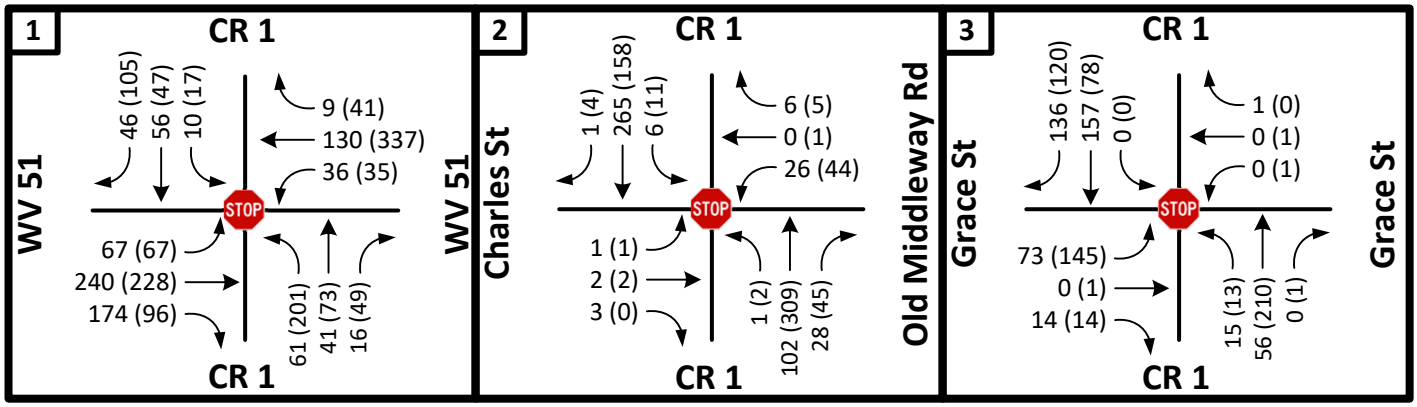
**FIGURE 7**

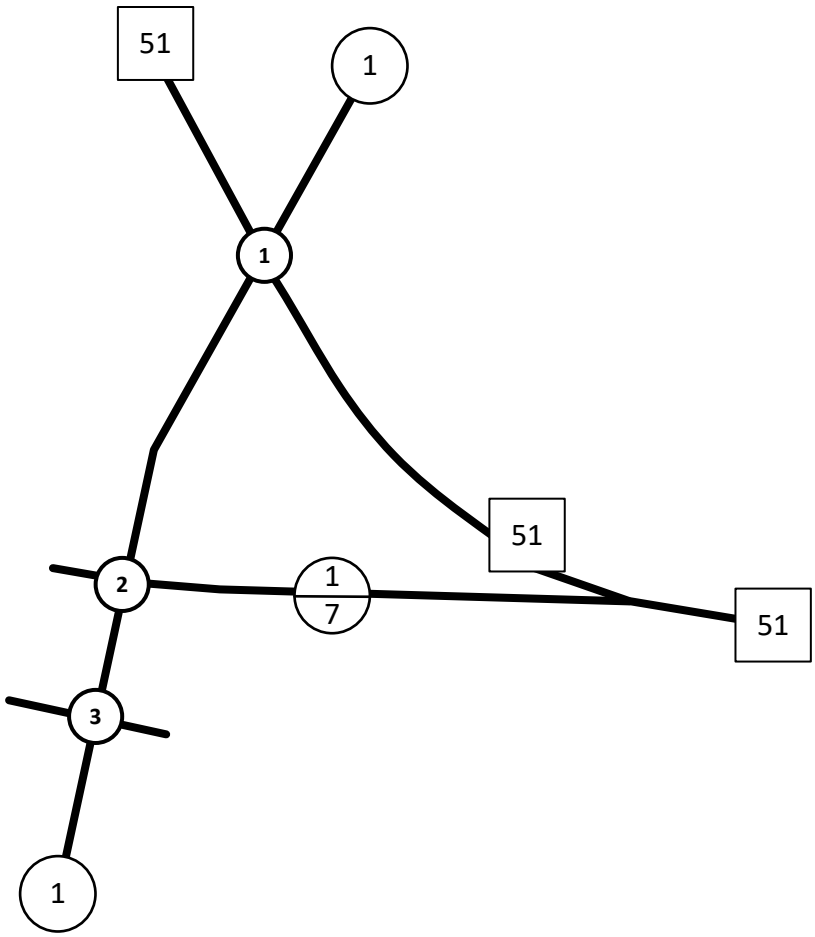
# BUILD PROJECT TRAFFIC VOLUMES

## 2024 Build Conditions

The 2024 Build Conditions include the existing 2022 traffic volume, the anticipated annual traffic growth prior to 2024, and the traffic generated by build-out of the 3M Redevelopment Industrial development. Site generated traffic was distributed into the transportation network based upon existing traffic patterns and anticipated origin and destination of the new site trips (see **Figure 6** and **Figure 7**). The 2024 Build Traffic Volumes for the weekday AM and PM peak hours are shown on **Figure 8**.

The peak hour traffic forecast calculations are provided in **Appendix B**.




**LEGEND**

- STOP Existing Traffic Control
- Existing Roadway
- → Existing Lane Configuration
- XX AM Peak Hour Volume
- (XX) PM Peak Hour Volume

N

NOT TO SCALE

# 3M Redevelopment TIS

2024 Build Traffic Volumes

**DATE:** May 2023

**FIGURE 8**

# CAPACITY ANALYSIS

The Highway Capacity Manual defines capacity as the maximum suitable flow rate at which vehicles reasonably can be expected to traverse a point during a specified time period. Capacity uses the measure of efficiency, Level-of-Service (LOS), to describe the traffic performance at intersections. LOS is defined for the overall intersection delay for signalized intersections. An acceptable LOS for a signalized intersection is considered to be LOS D or better (i.e. A, B, C or D).

At unsignalized intersections, the LOS is defined by the control delay for the movement that must yield right-of-way. It may be typical for stop-controlled minor streets to experience long delays during peak periods, while the majority of the traffic flows through the intersection on the major street travel unimpeded.

The procedures outlined in the Highway Capacity Manual; 6th Edition were used as guidelines for the analysis of the study area intersections. This manual provides procedures for the analysis of both signalized and unsignalized intersections. LOS categories range from LOS "A" (best) to "F" (worst) as shown in **Table 3**.

**Table 3: Level of Service Criteria**

| Level of Service | SIGNALIZED Intersection Control Delay (sec/veh) | UNSIGNALIZED Intersection Control Delay (sec/veh) | Intersection LOS Description |
|---|---|---|---|
| A | ≤ 10.0 | ≤ 10.0 | Free flow, insignificant delays. |
| B | 10.1-20.0 | 10.1-15.0 | Stable operation, minimal delays. |
| C | 20.1-35.0 | 15.1-25.0 | Stable operation, acceptable delays. |
| D | 35.1-55.0 | 25.1-35.0 | Restricted flow, common delays. |
| E | 55.1-80.0 | 35.1-50.0 | Maximum capacity, extended delays. Volumes at or near capacity. Long queues form upstream from intersection. |
| F | > 80.0 | > 50.0 | Forced flow, excessive delays. Represents jammed conditions. Intersection operates below capacity with low volumes. Queues may block upstream intersections. |

LOS analysis was completed through the use of Synchro, version 11.1. The software package categorizes the LOS based on HCM methodology and criteria. According to industry standards, any signalized intersection or any approach of an unsignalized intersection is considered acceptable if the average delay is at LOS D or better with LOS A representing little or no delay. Any signalized intersection or approach with a LOS of E or F is considered substandard and may need solutions to improve the operational performance. Copies of the Synchro analyses outputs for each analysis year/scenario are shown in **Appendix C**.

## 2022 Existing Conditions Analysis

**WV 51 with CR 1**

Capacity analysis indicates the WV 51 eastbound left-turn movement to CR 1 currently operates at LOS A during both the AM and PM peak hours. The WV 51 westbound left-turn movement to CR 1 currently operates at LOS A during both the AM and PM peak hours. The CR 1 northbound approach to WV 51 currently operates at LOS C during the AM peak hour and LOS F during the PM peak hour under stop control. The CR 1 southbound approach to WV 51 currently operates at LOS B during the AM peak hour and LOS C during the PM peak hour under stop control.

**CR 1 with Charles Street/Old Middleway Pike (CR 1/7)**

Analysis indicates the Charles Street eastbound approach to CR 1 currently operates at LOS B during both the AM and PM peak hours under stop control. The Old Middleway Pike westbound approach to CR 1 currently operates at LOS B during both the AM and PM peak hours under stop control. The CR 1 northbound left-turn movement to Charles Street currently operates at LOS A during both the AM and PM peak hours. The CR 1 southbound left-turn movement to Old Middleway Pike currently operates at LOS A during both the AM and PM peak hours.

**CR 1 with Grace Street**

Analysis indicates the Grace Street eastbound approach to CR 1 currently operates at LOS B during both the AM and PM peak hours under stop control. The Grace Street westbound approach to CR 1 currently operates at LOS A during the AM peak hour and LOS B during the PM peak hour under stop control. The CR 1 northbound left-turn movement to Grace Street currently operates at LOS A during both the AM and PM peak hours. The CR 1 southbound left-turn movement to Grace Street currently does not generate left-turning traffic during either peak hour and operates as free-flow traveling unimpeded through the intersection.

**Figure 9** shows the LOS during the weekday AM and PM peak hours for the 2022 Existing Conditions for each lane group movement at each study intersection.

## 2024 No-Build Conditions Analysis

The proposed development is expected to be complete in 2024. The 2024 No-Build traffic volumes include the existing 2022 traffic volumes and the anticipated annual traffic growth prior to 2024.

**WV 51 with CR 1**

Capacity analysis indicates the WV 51 eastbound left-turn movement to CR 1 will continue to operate at LOS A during both the AM and PM peak hours. The WV 51 westbound left-turn movement to CR 1 will continue to operate at LOS A during both the AM and PM peak hours. The CR 1 northbound approach to WV 51 will continue to operate at LOS C during the AM peak hour and LOS F during the PM peak hour under stop control. The CR 1 southbound approach to WV 51 will continue to operate at LOS B during the AM peak hour and LOS C during the PM peak hour under stop control.

**CR 1 with Charles Street/Old Middleway Pike (CR 1/7)**

Analysis indicates the Charles Street eastbound approach to CR 1 will continue to operate at LOS B during both the AM and PM peak hours under stop control. The Old Middleway Pike westbound approach to CR 1 will continue to operate at LOS B during both the AM and PM peak hours under stop control. The CR 1 northbound left-turn movement to Charles Street will continue to operate at LOS A during both the AM and PM peak hours. The CR 1 southbound left-turn movement to Old Middleway Pike will continue to operate at LOS A during both the AM and PM peak hours.

**CR 1 with Grace Street**

Analysis indicates the Grace Street eastbound approach to CR 1 will continue to operate at LOS B during both the AM and PM peak hours under stop control. The Grace Street westbound approach to CR 1 will continue to operate at LOS A during the AM peak hour and LOS B during the PM peak hour under stop control. The CR 1 northbound left-turn movement to Grace Street will continue to operate at LOS A during both the AM and PM peak hours. The CR 1 southbound left-turn movement to Grace Street is not expected to generate left-turning traffic during either peak hour and operates as free-flow traveling unimpeded through the intersection.

**Figure 10** shows the LOS during the weekday AM and PM peak hours for the 2024 No-Build Conditions for each lane group movement at each study intersection.

## 2024 Build Conditions Analysis

The 2024 Build Conditions include the existing 2022 traffic volume, the anticipated annual traffic growth prior to 2024, and the traffic generated by build-out of the 3M Redevelopment Industrial development.

**WV 51 with CR 1**

Capacity analysis indicates the WV 51 eastbound left-turn movement to CR 1 will continue to operate at LOS A during both the AM and PM peak hours. The WV 51 westbound left-turn movement to CR 1 will continue to operate at LOS A during both the AM and PM peak hours. The CR 1 northbound approach to WV 51 is expected to operate at LOS D during the AM peak hour and LOS F during the PM peak hour under stop control. The CR 1 southbound approach to WV 51 is expected to operate at LOS C during the AM peak hour and LOS D during the PM peak hour under stop control.

**CR 1 with Charles Street/Old Middleway Pike (CR 1/7)**

Analysis indicates the Charles Street eastbound approach to CR 1 is expected to operate at LOS B during both the AM and PM peak hours under stop control. The Old Middleway Pike westbound approach to CR 1 is expected to operate at LOS B during both the AM and PM peak hours under stop control. The CR 1 northbound left-turn movement to Charles Street will continue to operate at LOS A during both the AM and PM peak hours. The CR 1 southbound left-turn movement to Old Middleway Pike will continue to operate at LOS A during both the AM and PM peak hours.

**CR 1 with Grace Street**

Analysis indicates the Grace Street eastbound approach to CR 1 is expected to operate at LOS B during the AM peak hour and LOS C during the PM peak hour under stop control. The Grace Street westbound approach to CR 1 will continue to operate at LOS A during the AM peak hour and LOS B during the PM peak hour under stop control. The CR 1 northbound left-turn movement to Grace Street will continue to operate at LOS A during both the AM and PM peak hours. The CR 1 southbound left-turn movement to Grace Street is not expected to generate left-turning traffic during either peak hour and operates as free-flow traveling unimpeded through the intersection.

**Figure 11** shows the LOS during the weekday AM and PM peak hours for the 2024 Build Conditions for each lane group movement at each study intersection.

## 2024 Build Improved Conditions Analysis

The 2024 Build Improved Conditions include the existing 2022 traffic volume, the anticipated annual traffic growth prior to 2024, and the traffic generated by build-out of the 3M Redevelopment Industrial development.

Improvements included in the 2024 Build Improved Conditions consist of installing a traffic signal at the WV 51 with CR 1 intersection and construction of exclusive left-turn lanes on both WV 51 approaches to CR 1. These improvements improve capacity and eliminate queuing issues at the intersection.

Additional analysis is provided for the WV 51 with CR 1 intersection with proposed improvements implemented. Remaining intersections will operate as described in 2024 Build Conditions and do not necessitate physical improvements.

**WV 51 with CR 1**

Following installation of a traffic signal and exclusive left-turn lanes, capacity analysis indicates the WV 51 eastbound approach to CR 1 is expected to operate at LOS A during the AM peak hour and LOS C during the PM peak hour under signal control. The WV 51 westbound approach to CR 1 is expected to operate at LOS A during the AM peak hour and LOS C during the PM peak hour. The CR 1 northbound approach to WV 51 is expected to operate at LOS D during both the AM and PM peak hours. The CR 1 southbound approach to WV 51 is expected to operate at LOS D during both the AM and PM peak hours. The overall signalized intersection is expected to operate at LOS B during the AM peak hour and LOS C during the PM peak hour.

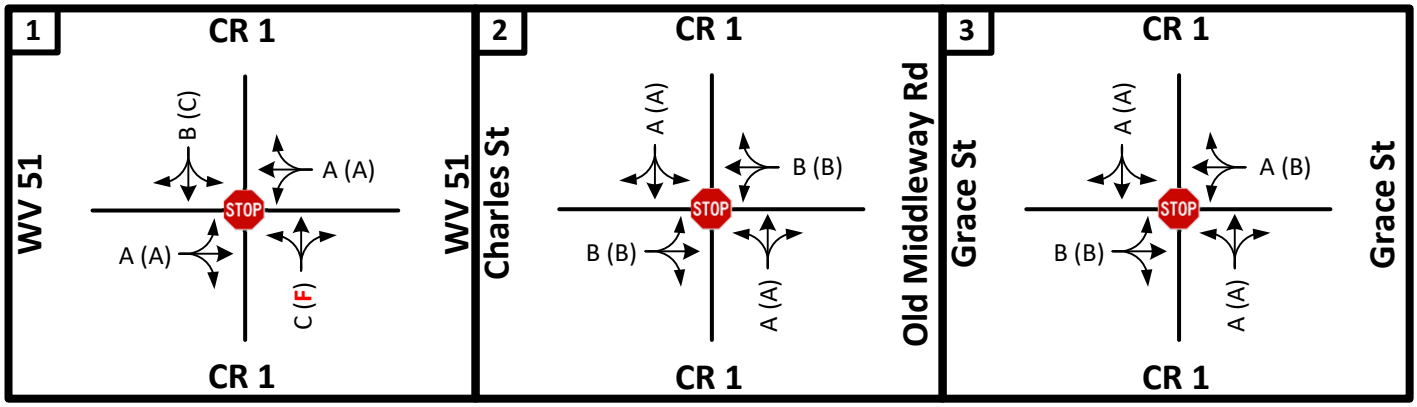
**Figure 12** shows the LOS during the weekday AM and PM peak hours for the 2024 Build Improved Conditions.

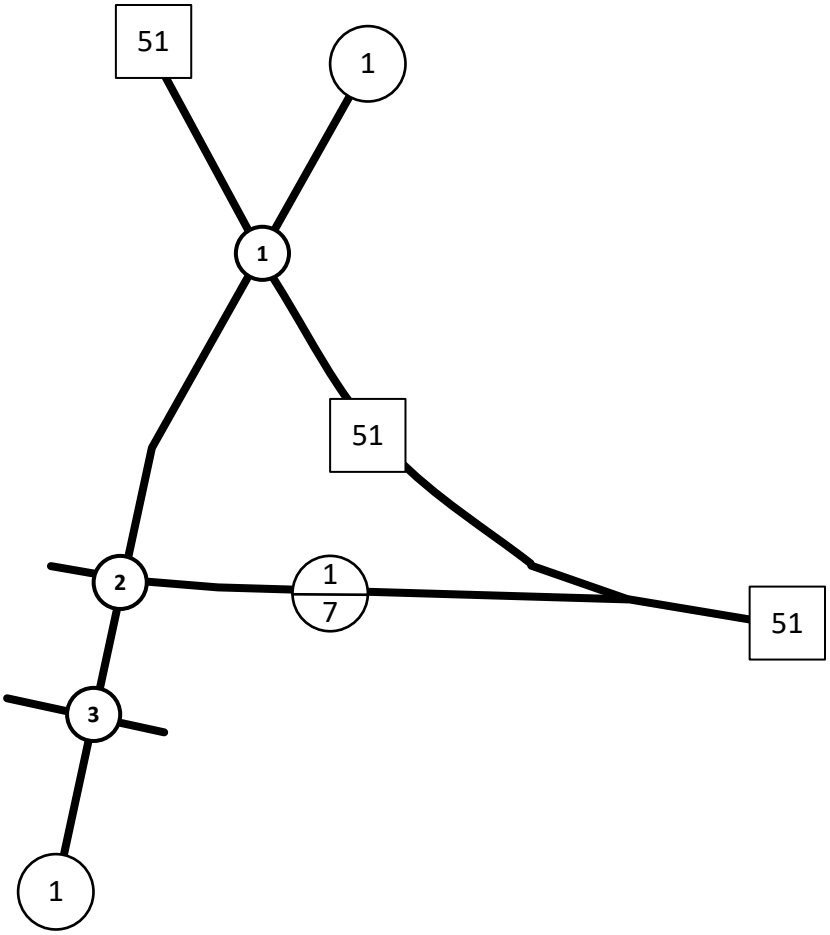
**Table 4** shows the LOS results for the intersections within the study area during the weekday AM and PM peak hours for the 2022 Existing Conditions, 2024 No-Build Conditions, 2024 Build Conditions, and 2024 Build Improved Conditions.

## Table 4: LOS Analysis Summary

| Intersection | Movement | 2022 Existing Conditions | | | | 2024 No-Build Conditions | | | | 2024 Build Conditions | | | | 2024 Build Improved Conditions | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AM Peak | | PM Peak | | AM Peak | | PM Peak | | AM Peak | | PM Peak | | AM Peak | | PM Peak | |
| | | LOS | Delay | LOS | Delay | LOS | Delay | LOS | Delay | LOS | Delay | LOS | Delay | LOS | Delay | LOS | Delay |
| **Intersection 1 - Leetown Road (CR 1) with WV 51 (Middleway Pike)** | EB Left-Turn | A | 7.6 | A | 8.3 | A | 7.6 | A | 8.4 | A | 7.6 | A | 8.4 | A | 7.3 | C | 26.4 |
| | EB Thru/Right | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | A | 8.8 | B | 19.0 |
| | EB Approach | N/A | 1.2 | N/A | 1.5 | N/A | 1.2 | N/A | 1.5 | N/A | 1.1 | N/A | 1.4 | A | 8.6 | C | 20.2 |
| | WB Left-Turn | A | 8.0 | A | 8.0 | A | 8.1 | A | 8.0 | A | 8.6 | A | 8.3 | B | 11.2 | C | 23.1 |
| | WB Thru/Right | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | A | 6.4 | C | 20.1 |
| | WB Approach | N/A | 0.1 | N/A | 0.4 | N/A | 0.1 | N/A | 0.4 | N/A | 1.8 | N/A | 0.7 | A | 7.4 | C | 20.3 |
| | NB Left/Thru/Right | C | 17.5 | F | 196.8 | C | 18.2 | F | ** | D | 28.4 | F | ** | D | 47.4 | D | 52.3 |
| | NB Approach | C | 17.5 | F | 196.8 | C | 18.2 | F | ** | D | 28.4 | F | ** | D | 47.4 | D | 52.3 |
| | SB Left/Thru/Right | B | 12.9 | C | 19.7 | B | 13.2 | C | 20.8 | C | 18.2 | D | 29.4 | D | 52.4 | D | 53.3 |
| Existing Four-Leg Unsignalized Intersection (TWSC) | SB Approach | B | 12.9 | C | 19.7 | B | 13.2 | C | 20.8 | C | 18.2 | D | 29.4 | D | 52.4 | D | 53.3 |
| Proposed Four-Leg Signalized Intersection | Overall | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | B | 19.0 | C | 32.6 |
| **Intersection 2 - Queen Street (CR 1) with Charles Street/Old Middleway Pike (CR 1/7)** | EB Left/Thru/Right | B | 10.0 | B | 11.9 | B | 10.0 | B | 12.1 | B | 11.2 | B | 14.1 | B | 11.2 | B | 14.1 |
| | EB Approach | B | 10.0 | B | 11.9 | B | 10.0 | B | 12.1 | B | 11.2 | B | 14.1 | B | 11.2 | B | 14.1 |
| | WB Left/Thru/Right | B | 10.0 | B | 12.0 | B | 10.1 | B | 12.1 | B | 12.1 | B | 14.9 | B | 12.1 | B | 14.9 |
| | WB Approach | B | 10.0 | B | 12.0 | B | 10.1 | B | 12.1 | B | 12.1 | B | 14.9 | B | 12.1 | B | 14.9 |
| | NB Left-Turn | A | 7.6 | A | 7.5 | A | 7.6 | A | 7.5 | A | 7.9 | A | 7.6 | A | 7.9 | A | 7.6 |
| | NB Approach | N/A | 0.1 | N/A | 0.1 | N/A | 0.1 | N/A | 0.1 | N/A | 0.1 | N/A | 0.0 | N/A | 0.1 | N/A | 0.0 |
| | SB Left-Turn | A | 7.4 | A | 7.8 | A | 7.4 | A | 7.8 | A | 7.5 | A | 8.2 | A | 7.5 | A | 8.2 |
| Existing Four-Leg Unsignalized Intersection (TWSC) | SB Approach | N/A | 0.3 | N/A | 0.7 | N/A | 0.3 | N/A | 0.7 | N/A | 0.2 | N/A | 0.5 | N/A | 0.2 | N/A | 0.5 |
| **Intersection 3 - Queen Street (CR 1) with Grace Street** | EB Left/Thru/Right | B | 10.4 | B | 11.9 | B | 10.4 | B | 12.0 | B | 13.0 | C | 16.5 | B | 13.0 | C | 16.5 |
| | EB Approach | B | 10.4 | B | 11.9 | B | 10.4 | B | 12.0 | B | 13.0 | C | 16.5 | B | 13.0 | C | 16.5 |
| | WB Left/Thru/Right | A | 8.6 | B | 11.8 | A | 8.6 | B | 11.9 | A | 8.6 | B | 12.7 | A | 8.6 | B | 12.7 |
| | WB Approach | A | 8.6 | B | 11.8 | A | 8.6 | B | 11.9 | A | 8.6 | B | 12.7 | A | 8.6 | B | 12.7 |
| | NB Left-Turn | A | 7.6 | A | 7.6 | A | 7.6 | A | 7.6 | A | 8.2 | A | 7.9 | A | 8.2 | A | 7.9 |
| | NB Approach | N/A | 0.3 | N/A | 0.2 | N/A | 0.3 | N/A | 0.2 | N/A | 1.7 | N/A | 0.5 | N/A | 1.7 | N/A | 0.5 |
| | SB Left-Turn | N/A | NO VOL | N/A | NO VOL | N/A | NO VOL | N/A | NO VOL | N/A | NO VOL | N/A | NO VOL | N/A | NO VOL | N/A | NO VOL |
| Existing Four-Leg Unsignalized Intersection (TWSC) | SB Approach | N/A | 0.0 | N/A | 0.0 | N/A | 0.0 | N/A | 0.0 | N/A | 0.0 | N/A | 0.0 | N/A | 0.0 | N/A | 0.0 |

** = Delay exceeding 200 sec/veh




**LEGEND**

- STOP Existing Traffic Control
- Existing Roadway
- Existing Lane Configuration
- A AM Level of Service
- (A) PM Level of Service

N

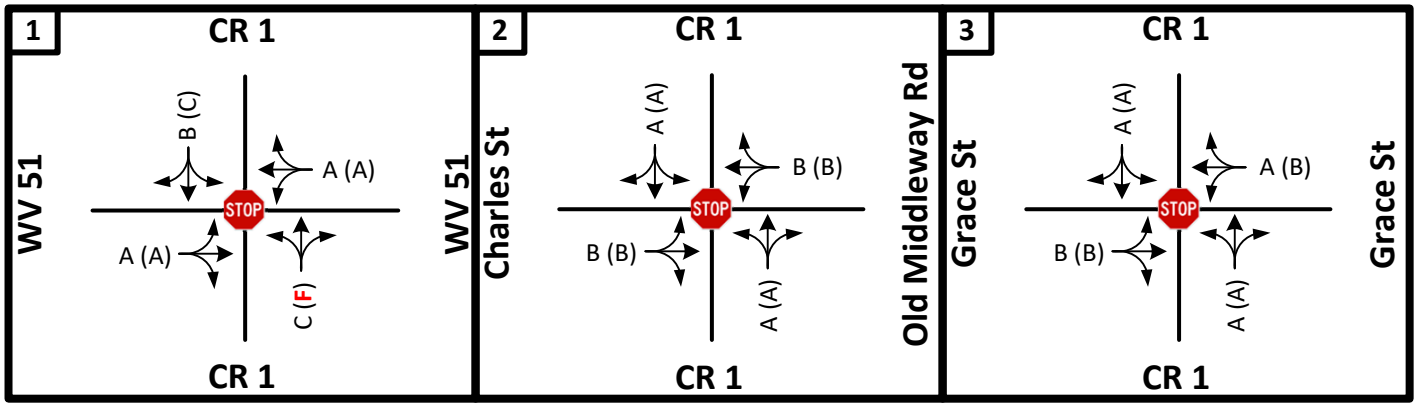
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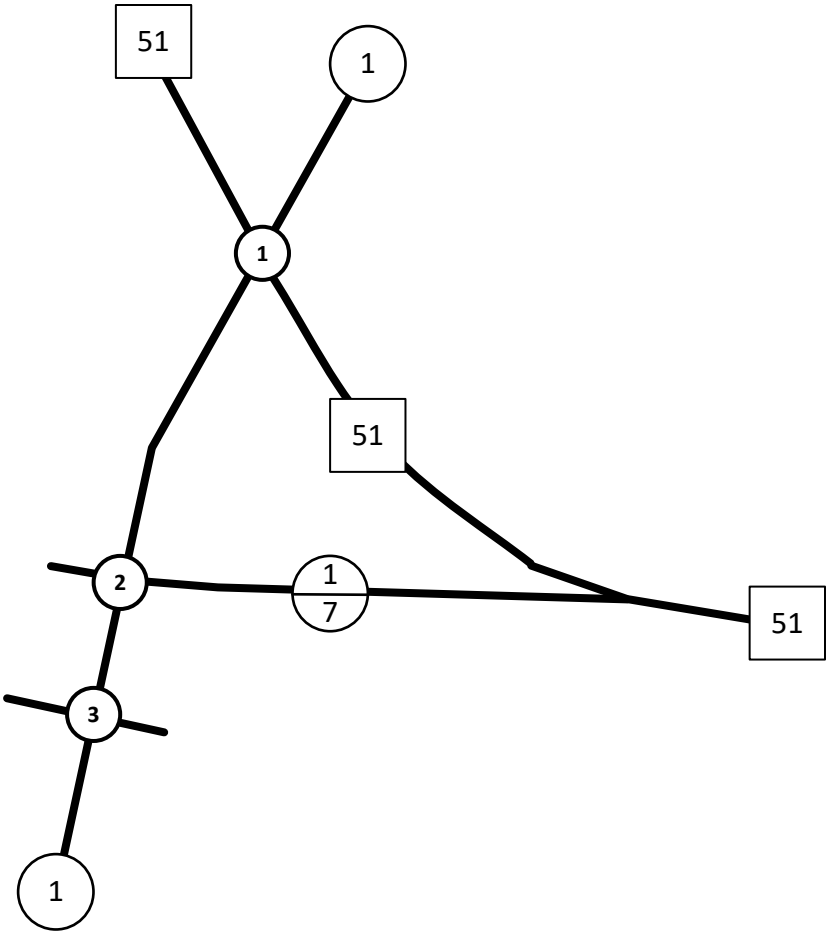
# 3M Redevelopment TIS

2022 Existing Level of Service

**DATE:** May 2023

**FIGURE 9**




**LEGEND**

- STOP Existing Traffic Control
- Existing Roadway
- Existing Lane Configuration
- A AM Level of Service
- (A) PM Level of Service

N

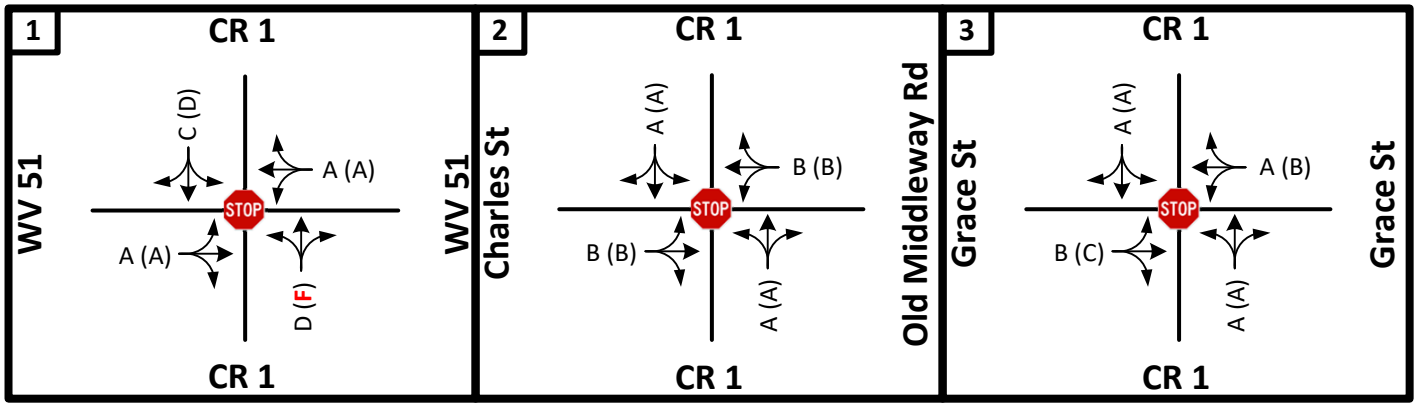
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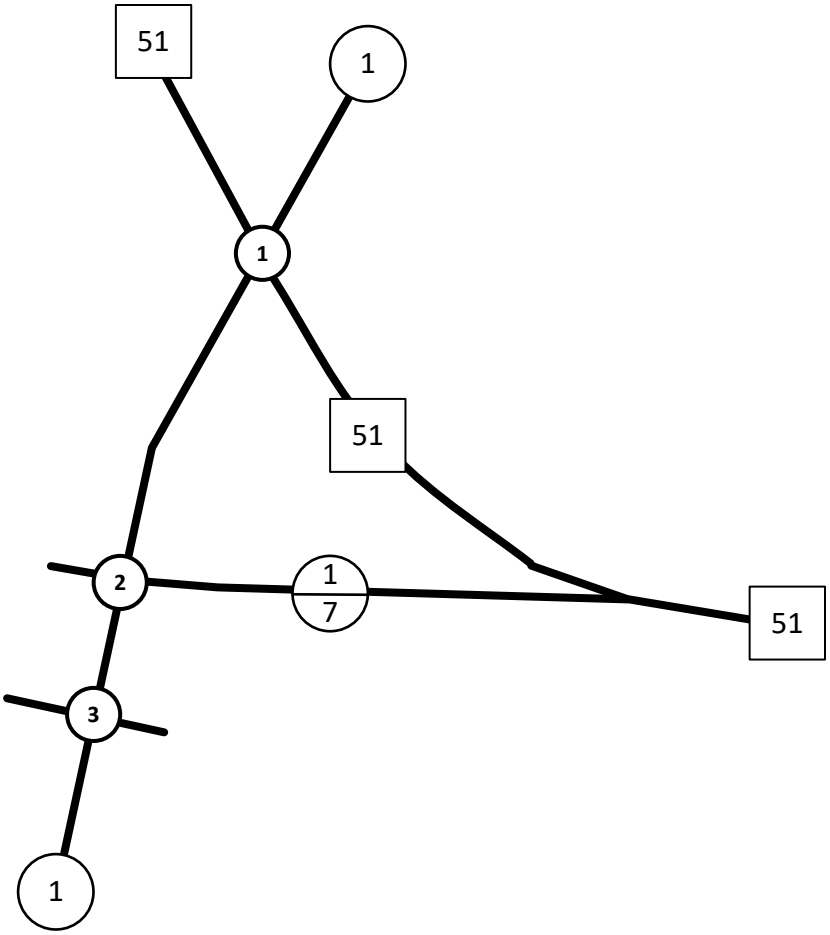
# 3M Redevelopment TIS

2024 No-Build Level of Service

**DATE:** May 2023

**FIGURE 10**




**LEGEND**

- STOP Existing Traffic Control
- Existing Roadway
- Existing Lane Configuration
- A AM Level of Service
- (A) PM Level of Service

N

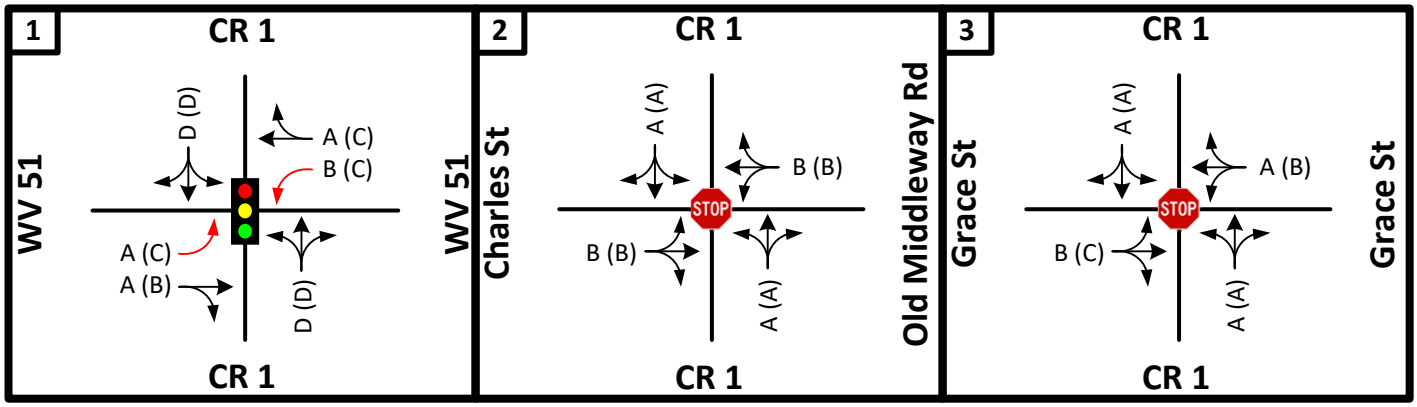
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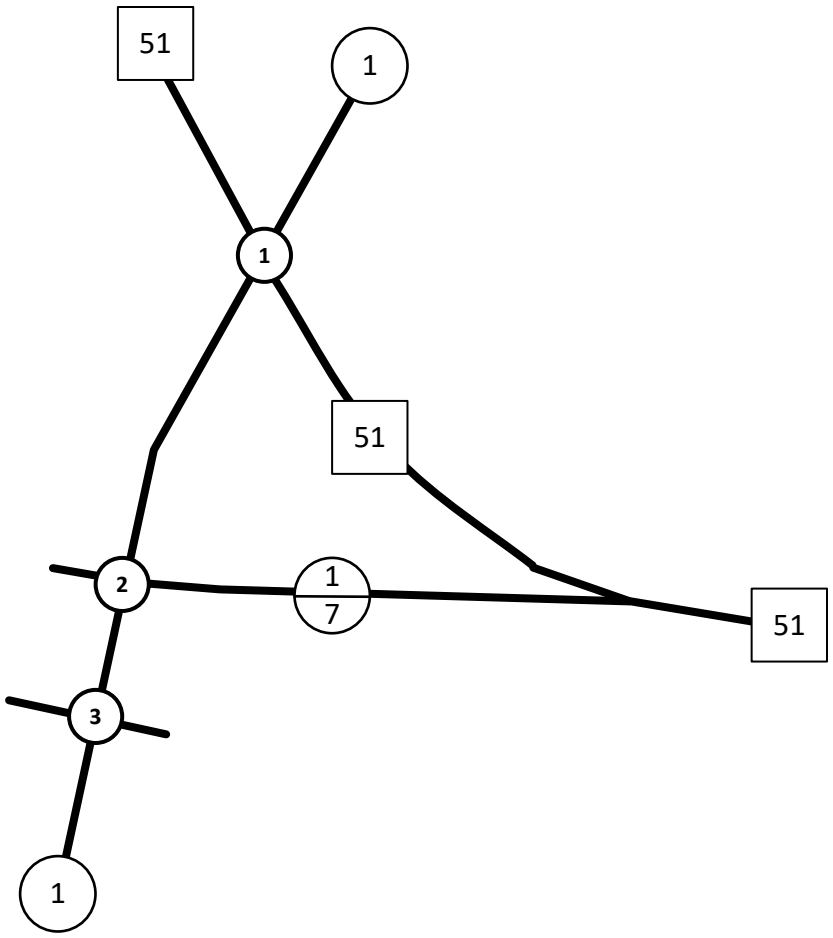
# 3M Redevelopment TIS

2024 Build Level of Service

**DATE:** May 2023

**FIGURE 11**




**LEGEND**

- Proposed Traffic Control
- Existing Roadway
- Proposed Roadway
- Existing Lane Configuration
- Proposed Lane Configuration
- A AM Level of Service
- (A) PM Level of Service

N

NOT TO SCALE

**3M Redevelopment TIS**

2024 Build Improved Level of Service

**DATE:** May 2023

**FIGURE 12**

# QUEUING ANALYSIS

## 2022 Existing Conditions Analysis

Queuing analysis was performed for all study intersections during the weekday AM and PM peak hours using the SimTraffic micro-simulation model, which is a simulation complement to the Synchro traffic analysis models utilized for the capacity analysis. The queuing calculations produced by SimTraffic are acknowledged within the industry to be a realistic replication of actual conditions. Each simulation model was seeded for 10 minutes and recorded for 60 minutes. The simulation was run five times and then averaged to estimate the 95$^{th}$ percentile queuing for all scenarios.

The queuing analysis indicates that no existing turning movements currently have queuing issues during the peak hours analyzed.

## 2024 No-Build Conditions Analysis

Queuing analysis indicates that the conditions described in the 2022 Existing Conditions are expected to continue with similar queues following the increase in traffic due to regional growth in the study area. Analysis indicates that no additional movements are expected to have queuing issues.

## 2024 Build Conditions Analysis

Queuing analysis indicates that the conditions described in the 2024 No-Build Conditions are expected to continue with similar queueing following build-out of the 3M Redevelopment Industrial development. Analysis indicates that one turning movement is expected to have a queuing issue during the peak hours analyzed. The turning movements that is expected to have a queuing issue is as follows:

- ***CR 1 northbound approach to WV 51 during PM peak hour***

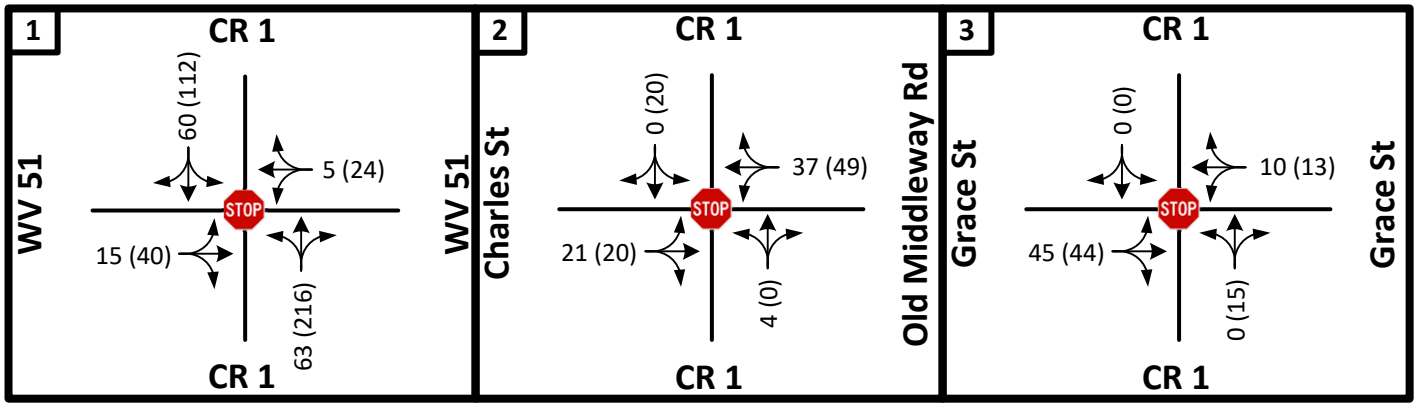
## 2024 Build Improved Conditions Analysis

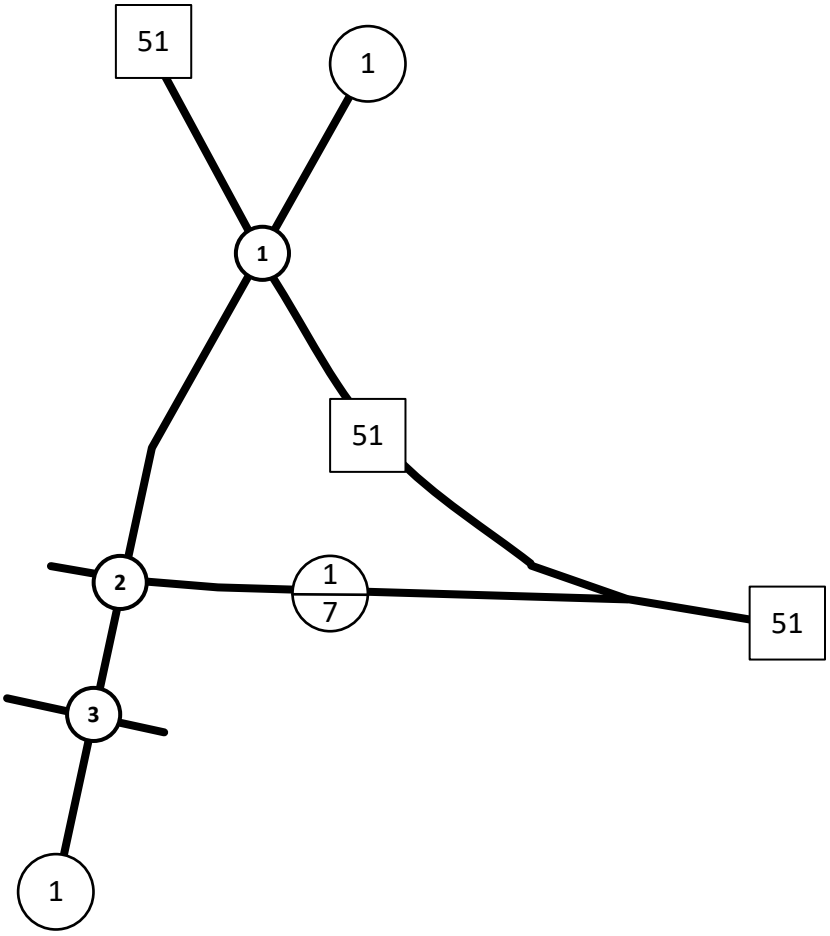
Queuing analysis indicates that all conditions described in the 2024 Build Conditions are expected to be resolved with the proposed improvements in place. Analysis indicates that no additional movements are expected to exceed storage length.

**Table 5** presents the 95% queuing results for the intersections within the study during the weekday AM and PM peak hours for the 2022 Existing Conditions, 2024 No-Build Conditions, 2024 Build Conditions, and 2024 Build Improved Conditions. **Figure 13** shows the 2022 Existing Conditions Queuing Analysis for the weekday AM and PM peak hours; **Figure 14** shows the 2024 No-Build Queuing Analysis for the weekday AM and PM peak hours; **Figure 15** shows the 2024 Build Queuing Analysis for the weekday AM and PM peak hours; and **Figure 16** shows the 2024 Build Improved Queuing Analysis for the weekday AM and PM peak hours. Copies of the SimTraffic analyses outputs are included in **Appendix D**.

### Table 5: Queuing Analysis Summary

| Intersection | Movement | Existing Storage Length (ft) | 2022 Existing | | 2024 No-Build | | Proposed Storage Length (ft) | 2024 Build | | Proposed Storage Length (ft) | 2024 Build Improved | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AM | PM | AM | PM | | AM | PM | | AM | PM |
| **Intersection 1 - Leetown Road (CR 1) with WV 51 (Middleway Pike)** | EB Left/Thru/Right | -- | 15 | 40 | 21 | 43 | -- | 37 | 55 | N/A | N/A | N/A |
| | EB Left-Turn | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 150 | 52 | 80 |
| | EB Thru/Right | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | -- | 160 | 174 |
| | WB Left/Thru/Right | -- | 5 | 24 | 2 | 18 | -- | 43 | 42 | N/A | N/A | N/A |
| | WB Left-Turn | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 150 | 57 | 62 |
| | WB Thru/Right | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | -- | 55 | 204 |
| | NB Left/Thru/Right | -- | 63 | 216 | 63 | 242 | -- | 119 | 1958 | -- | 151 | 295 |
| | SB Left/Thru/Right | -- | 60 | 112 | 58 | 128 | -- | 99 | 231 | -- | 136 | 156 |
| **Intersection 2 - Queen Street (CR 1) with Charles Street/Old Middleway Pike (CR 1/7)** | EB Left/Thru/Right | -- | 21 | 20 | 23 | 19 | -- | 21 | 20 | -- | 21 | 20 |
| | WB Left/Thru/Right | -- | 37 | 49 | 37 | 50 | -- | 52 | 53 | -- | 52 | 52 |
| | NB Left/Thru/Right | -- | 4 | 0 | 0 | 0 | -- | 7 | 284 | -- | 9 | 7 |
| | SB Left/Thru/Right | -- | 0 | 20 | 8 | 14 | -- | 11 | 26 | -- | 15 | 26 |
| **Intersection 3 - Queen Street (CR 1) with Grace Street** | EB Left/Thru/Right | -- | 45 | 44 | 46 | 47 | -- | 87 | 159 | -- | 87 | 101 |
| | WB Left/Thru/Right | -- | 10 | 13 | 11 | 12 | -- | 12 | 13 | -- | 12 | 13 |
| | NB Left/Thru/Right | -- | 0 | 15 | 0 | 15 | -- | 26 | 73 | -- | 26 | 20 |
| | SB Left/Thru/Right | -- | 0 | 0 | 0 | 0 | -- | 0 | 0 | -- | 0 | 6 |




**LEGEND**

- STOP Existing Traffic Control
- Existing Roadway
- Existing Lane Configuration
- XX AM Queue (FT)
- (XX) PM Queue (FT)

N

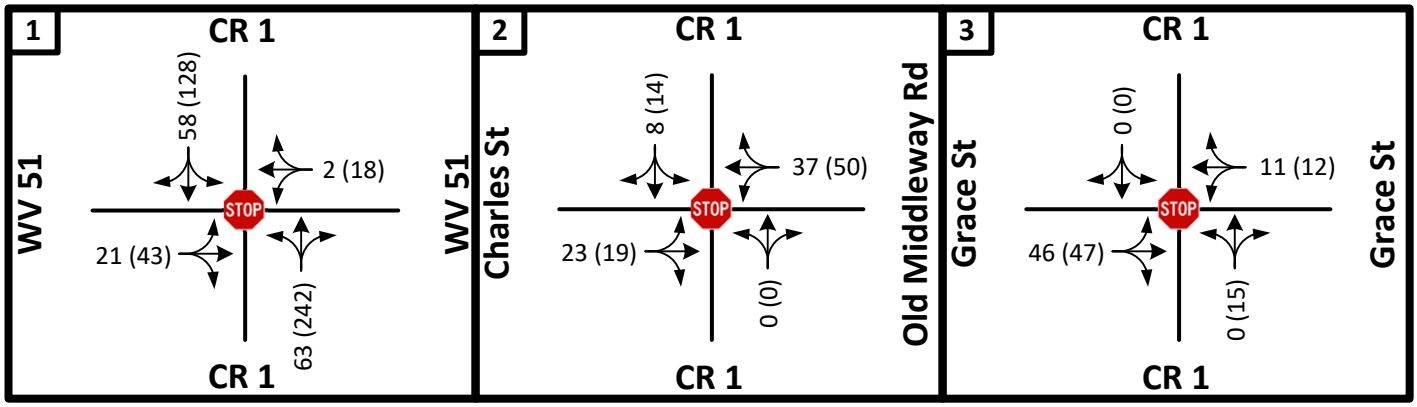
NOT TO SCALE

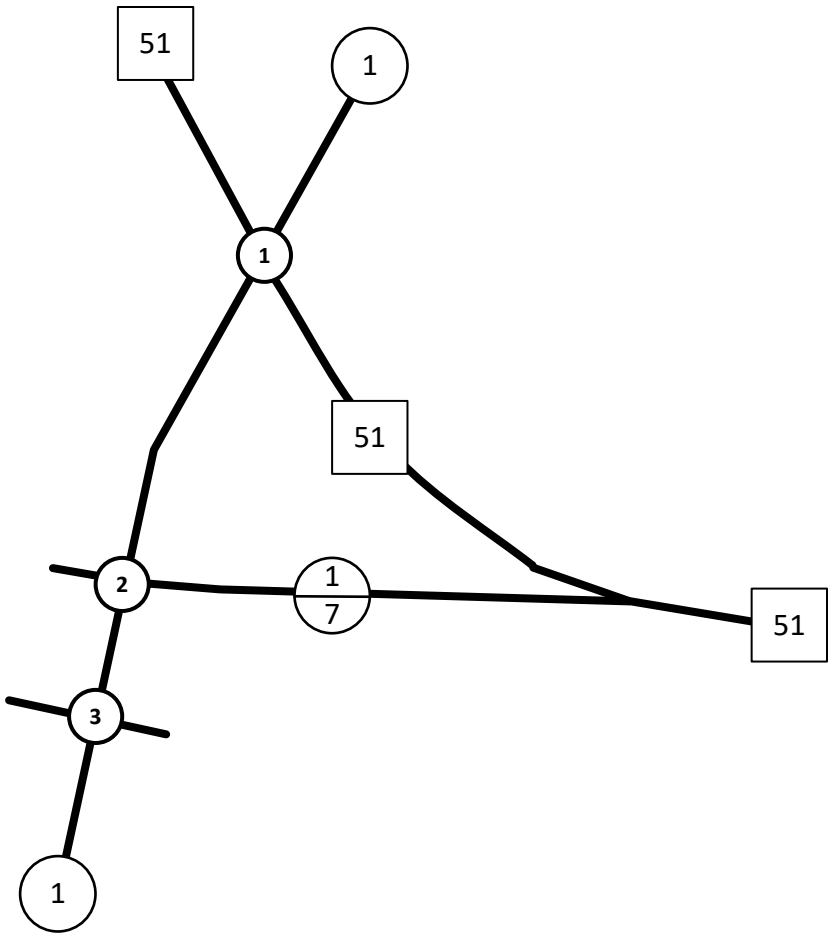
**3M Redevelopment TIS**

2022 Existing Queuing Analysis

**DATE:** May 2023

**FIGURE 13**




**LEGEND**

- STOP Existing Traffic Control
- Existing Roadway
- Existing Lane Configuration
- XX AM Queue (FT)
- (XX) PM Queue (FT)

N

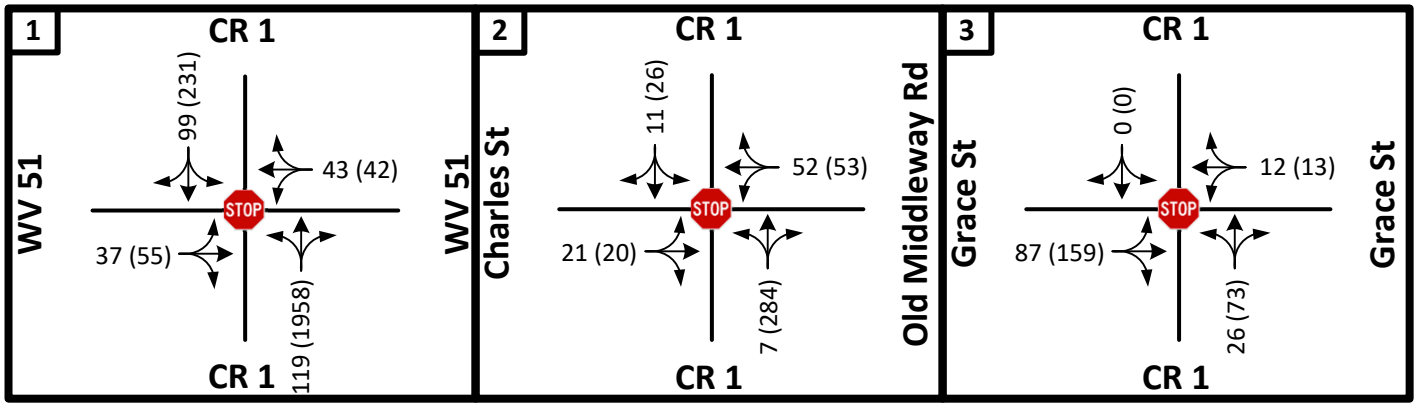
NOT TO SCALE

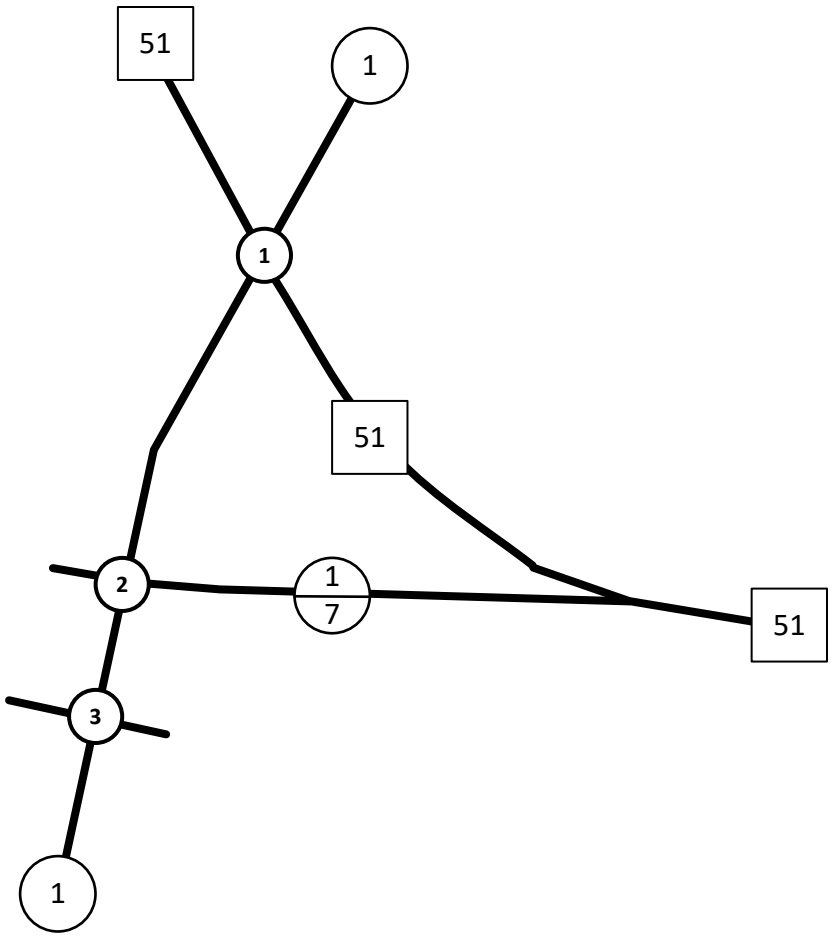
**3M Redevelopment TIS**

2024 No-Build Queuing Analysis

**DATE:** May 2023

**FIGURE 14**




**LEGEND**

- STOP Existing Traffic Control
- Existing Roadway
- Existing Lane Configuration
- XX AM Queue (FT)
- (XX) PM Queue (FT)

N

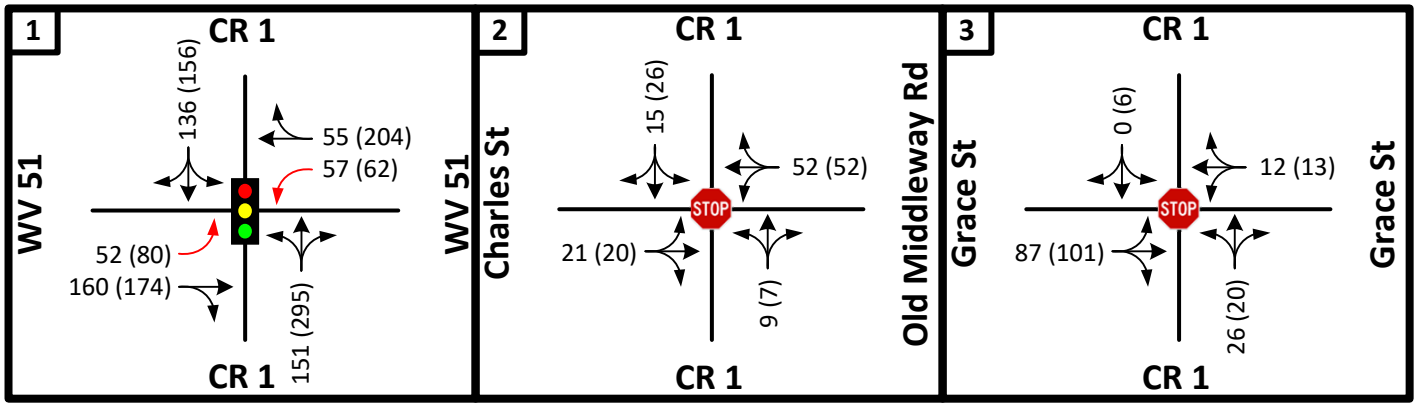
NOT TO SCALE

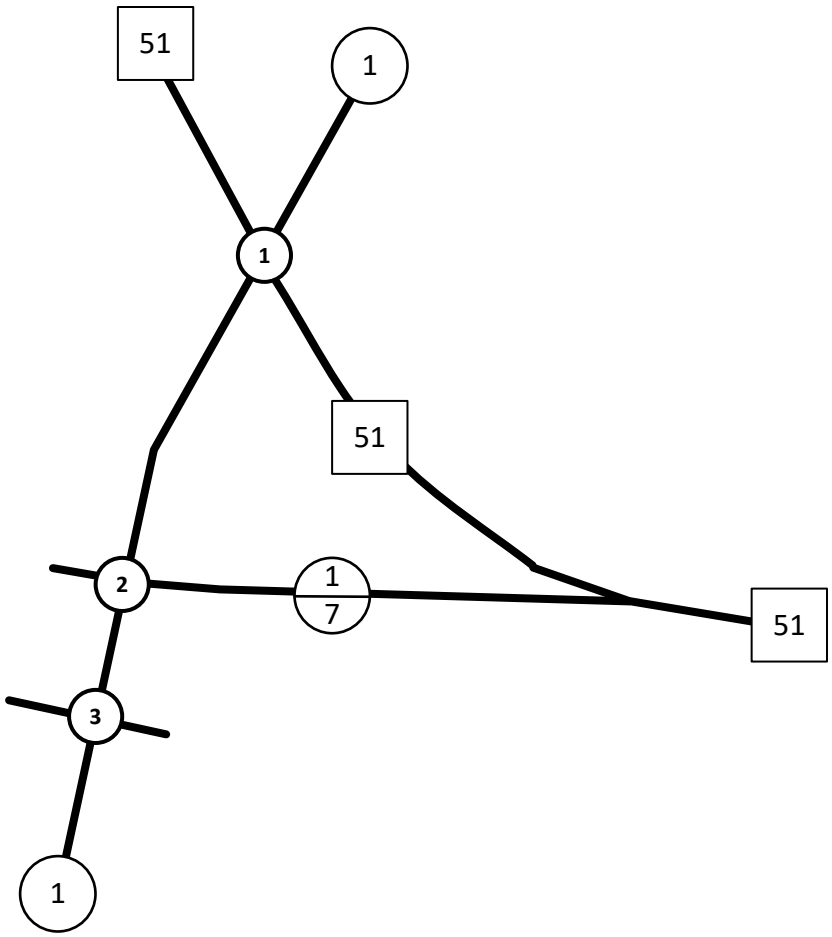
**3M Redevelopment TIS**

2024 Build Queuing Analysis

**DATE:** May 2023

**FIGURE 15**




**LEGEND**

- STOP Proposed Traffic Control
- Existing Roadway
- Proposed Roadway
- Existing Lane Configuration
- Proposed Lane Configuration
- XX AM Queue (FT)
- (XX) PM Queue (FT)

AMT

N

NOT TO SCALE

**3M Redevelopment TIS**

2024 Build Improved Queuing Analysis

**DATE:** May 2023

**FIGURE 16**

# SIGNAL WARRANT ANALYSIS

The Manual on Uniform Traffic Control Devices (MUTCD) contains nine (9) warrants for investigating the need for a traffic signal at a particular intersection. The satisfaction of a signal warrant or warrants may indicate the need for the installation of a traffic signal. Three (3) of the warrants deal directly with traffic volumes; two (2) warrants focus on pedestrian issues; one (1) focuses on safety; one (1) on grade crossings; one (1) on traffic signal progression; and one (1) on a Planning level (non-data-based) analysis. For this instance, Warrants 1, 2, and 7 were considered at the intersection of WV 51 with CR 1. Copies of the signal warrant analysis are contained in **Appendix E**.

## WV 51 with CR 1

**Data Collection**

A full 13-hour turning movement count was collected for the intersection Friday July 8, 2022 between the hours of 6 AM and 7 PM. The 13-hour count was collected to analyze MUTCD Signal Warrants for existing conditions. The traffic count data is located in **Appendix B.**

**MUTCD Warrant Evaluation**

In accordance with MUTCD procedures, the impact of right turning traffic from the side street approaches was assessed to determine appropriate consideration as a component of the signal warrant analysis. Left turning motorists or those crossing the intersection are those most benefiting from a traffic signal, as right turning maneuvers typically can be made easily without a signal. Therefore, *Pagones Theorem* was utilized to reduce the number of right turns included in the minor street approach volume. Right-turns along CR 1 northbound approach were reduced by 20% and right-turns along CR 1 southbound were reduced by 40% per the Pagones Theorem. A detailed report containing the hourly volumes at the intersection is located in **Appendix E**.

**Warrant 1 – Eight-Hour Vehicular Volume**

This warrant is intended for application at locations where there is a large volume of intersecting traffic. To meet Warrant 1, the major street traffic (total of both approaches) must meet or exceed 350 vehicles per hour while the minor street traffic (one direction only) must meet or exceed 105 vehicles per hour for any eight hours of the day (Condition A – Minimum Vehicular Volume), or the major street traffic (total of both approaches) must meet or exceed 525 vehicles per hour while the minor street traffic (one direction only) must meet or exceed 53 vehicles per hour for any 8 hours of the day (Condition B – Interruption of Continuous Traffic). Adjustment of side street right turn volume was made using Pagones Theorem.

The minimum thresholds and conditions for this warrant as listed in the MUTCD are located on **Table 6.**

It is intended that warrant 1 be treated as a single warrant. If condition A is satisfied, then the criteria for warrant 1 is satisfied and condition B and the combination of condition A and B are not needed. Also, if condition B is satisfied, then the criteria for Warrant 1 is satisfied and the combination of conditions A and B is not needed. Warrant 1 is considered the primary warrant for the installation of a signal and is often considered as singular standalone criteria.

### Table 6: MUTCD Table 4C-1, Warrant 1 Eight-Hour Volume

**Table 4C-1. Warrant 1, Eight-Hour Vehicular Volume**

**Condition A—Minimum Vehicular Volume**

| Number of lanes for moving traffic on each approach | | Vehicles per hour on major street (total of both approaches) | | | | Vehicles per hour on higher-volume minor-street approach (one direction only) | | | |
|---|---|---|---|---|---|---|---|---|---|
| Major Street | Minor Street | 100%[a] | 80%[b] | 70%[c] | 56%[d] | 100%[a] | 80%[b] | 70%[c] | 56%[d] |
| 1 | 1 | 500 | 400 | 350 | 280 | 150 | 120 | 105 | 84 |
| 2 or more | 1 | 600 | 480 | 420 | 336 | 150 | 120 | 105 | 84 |
| 2 or more | 2 or more | 600 | 480 | 420 | 336 | 200 | 160 | 140 | 112 |
| 1 | 2 or more | 500 | 400 | 350 | 280 | 200 | 160 | 140 | 112 |

**Condition B—Interruption of Continuous Traffic**

| Number of lanes for moving traffic on each approach | | Vehicles per hour on major street (total of both approaches) | | | | Vehicles per hour on higher-volume minor-street approach (one direction only) | | | |
|---|---|---|---|---|---|---|---|---|---|
| Major Street | Minor Street | 100%[a] | 80%[b] | 70%[c] | 56%[d] | 100%[a] | 80%[b] | 70%[c] | 56%[d] |
| 1 | 1 | 750 | 600 | 525 | 420 | 75 | 60 | 53 | 42 |
| 2 or more | 1 | 900 | 720 | 630 | 504 | 75 | 60 | 53 | 42 |
| 2 or more | 2 or more | 900 | 720 | 630 | 504 | 100 | 80 | 70 | 56 |
| 1 | 2 or more | 750 | 600 | 525 | 420 | 100 | 80 | 70 | 56 |

[a] Basic minimum hourly volume
[b] Used for combination of Conditions A and B after adequate trial of other remedial measures
[c] May be used when the major-street speed exceeds 40 mph or in an isolated community with a population of less than 10,000
[d] May be used for combination of Conditions A and B after adequate trial of other remedial measures when the major-street speed exceeds 40 mph or in an isolated community with a population of less than 10,000

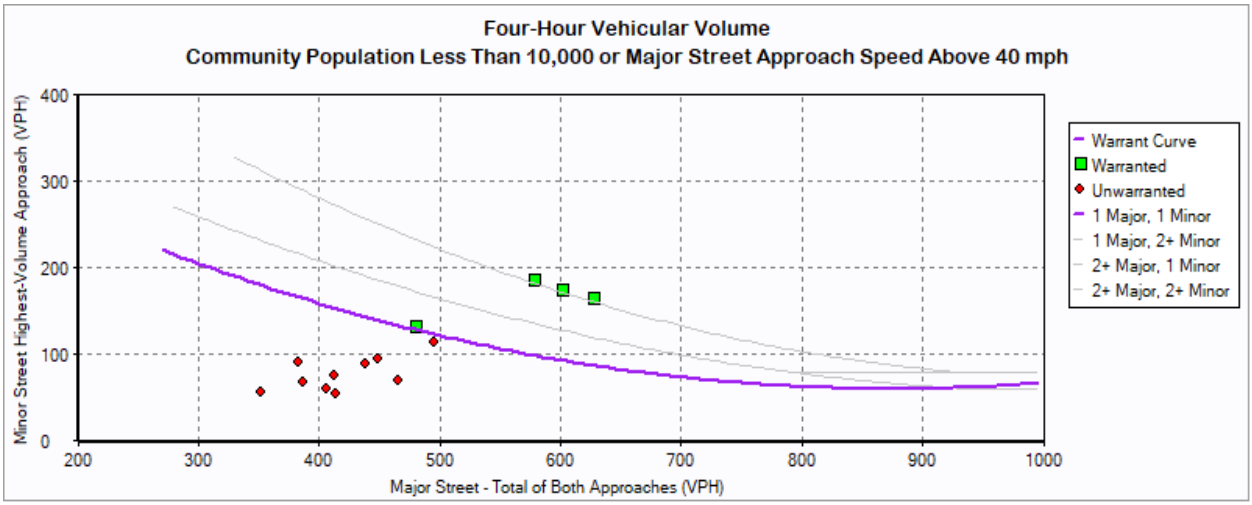
After applying the warrant criteria for 2022 Existing Conditions, five of the eight hours meet the combined criteria set for Warrant 1A, three hour meets the criteria for Warrant 1B, and seven hours meet the criteria for combination of Warrant 1A & 1B of the Major and Minor street volumes set in the "70%" conditions.

Warrant 1 is **NOT MET**.

**Warrant 2 – Four Hour Vehicular Volumes**

This warrant is intended for locations where, for a brief period of the day, minor road traffic experiences excessive delays in attempting to enter or cross the major street. Warrant 2 requires that the combination of the major street traffic (total of both approaches) and minor street traffic (one direction only) reaches a designated minimum volume during any four hours of any average day. **Figure 17** illustrates the threshold values and results for Warrant 2.

**Figure 17: Warrant 2 - Four-Hour Vehicular Volumes – Analysis Results**




After applying the warrant criteria for 2022 Existing Conditions four of the 13 hours counted meet the combined criteria for Warrant 2. Based on the data collected, Warrant 2 meets based on the 2022 Existing Conditions.

Warrant 2 is **MET.**

**Warrant 7 – Crash Experience**

This warrant is intended for application where the severity and frequency of crashes are the principle reasons to consider installing a traffic control signal. Warrant 7 is applicable where five or more crashes that are potentially preventable by the installation of a traffic signal have occurred within a 12-month period and the intersection traffic volume meets the 56% column from MUTCD Table 4C-1.

Based upon an evaluation of the intersection crash data, there were seven reported crashes that occurred at the intersection within the 12-month period of January 16, 2019 – January 15, 2020 that are potentially correctable by the installation of a traffic signal. All seven of these crashes were right angle crashes that are typically correctable by installation of a traffic signal. A detailed list of crash data for the 5-year period from January 1, 2017 – December 31, 2021 is located in **Appendix E**.

Warrant 7 is **MET**.

# CONCLUSIONS/RECOMMENDATIONS

This report summarizes existing and future traffic analyses conducted in support of the 3M Redevelopment Industrial Development. The proposed development is to be located west of CR 1 at the end of Grace Street in Middleway, Jefferson County. The proposed site plan includes one light industrial facility comprising 1,000,000 sf and is expected to be built-out by 2024.

The proposed development is anticipated to be served by one existing site driveway connecting with Grace Street. Site Drive #1 is to be located approximately 2,000 feet west of CR 1 connecting with Grace Street from the west and will operate as full movement approach with TWSC. This is an existing approach at the intersection that was used by the previous tenant.

Based on the findings of this study, the following capacity infrastructure improvements are recommended to mitigate existing transportation issues unrelated to the 3M Redevelopment Industrial development:

**WV 51 with CR 1**

- Install a traffic signal at the intersection of WV 51 with CR 1. This measure increases capacity and improves LOS for the CR 1 northbound and southbound approaches. Analysis indicates that the MUTCD Warrant 2 (Four-Hour Volume) and MUTCD Warrant 7 (Crash Experience) criteria are met during Existing Conditions. The traffic signal is proposed to include permitted left-turn phasing on both WV 51 approaches and split phasing on the CR 1 approaches due to the skewed alignment to WV 51. WVDOH is already in the early planning stages to install a traffic signal at the intersection but nothing is finalized yet.

- Construct an exclusive left-turn lane on the WV 51 eastbound approach to CR 1. The anticipated queuing from the left-turn movement is estimated to be approximately 80 feet during the 2024 Build Improved Conditions PM peak hour. The WV 51 eastbound exclusive left-turn lane should be constructed to provide 150 feet of full-width storage with appropriate taper.

- Construct an exclusive left-turn lane on the WV 51 westbound approach to CR 1. The anticipated queuing from the left-turn movement is estimated to be approximately 62 feet during the 2024 Build Improved Conditions AM peak hour. The WV 51 westbound exclusive left-turn lane should be constructed to provide 150 feet of full-width storage with appropriate taper.

# *APPENDIX A: STUDY AREA PHOTOS*



**WV 51 Eastbound Approach to CR 1**





**WV 51 Westbound Approach to CR 1**






**CR 1 Northbound Approach to WV 51**






**CR 1 Southbound Approach to WV 51**






**Charles Street Eastbound Approach to CR 1**




**CR 1/7 Westbound Approach to CR 1**



**CR 1 Northbound Approach to Charles Street/CR 1/7**



**CR 1 Southbound Approach to Charles Street/CR 1/7**




**Grace Street Eastbound Approach to CR 1**




**Grace Street Westbound Approach to CR 1**



**CR 1 Northbound Approach to Grace Street**



**CR 1 Southbound Approach to Grace Street**

# *APPENDIX B: TRAFFIC VOLUMES & CALCULATIONS*

# *APPENDIX B-1: VOLUME CALCULATIONS*

**22-0284.001 - 3M Redevelopment TIS - Traffic Volume Calculations**

| | Balanced Existing Volumes (2022) | | Historical Growth (2022-2024) | | No-Build Volumes (2024) | | Site Trip Distribution | | Employee Site Trip Assignment | | Truck Site Trip Assignment | | Total Site Trip Assignment | | Build Volumes (2024) | | Site Impact | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AM | PM | AM | PM | AM | PM | Enter | Exit | AM | PM | AM | PM | AM | PM | AM | PM | AM | PM |
| **Intersection 1 - Leetown Road (CR 1) with WV 51 (Middleway Pike)** | | | | | | | | | | | | | | | | | | |
| **EBL** | 65 | 65 | 2 | 2 | 67 | 67 | | | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 67 | | |
| **EBT** | 233 | 222 | 7 | 6 | 240 | 228 | | | 0 | 0 | 0 | 0 | 0 | 0 | 240 | 228 | 10.2% | 5.9% |
| **EBR** | 122 | 71 | 3 | 2 | 125 | 73 | 35% | | 40 | 14 | 9 | 9 | 49 | 23 | 174 | 96 | | |
| **WBL** | 1 | 18 | 0 | 1 | 1 | 19 | 25% | | 29 | 10 | 6 | 6 | 35 | 16 | 36 | 35 | | |
| **WBT** | 126 | 328 | 4 | 9 | 130 | 337 | | | 0 | 0 | 0 | 0 | 0 | 0 | 130 | 337 | 20.0% | 3.9% |
| **WBR** | 9 | 40 | 0 | 1 | 9 | 41 | | | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 41 | | |
| **NBL** | 44 | 155 | 1 | 4 | 45 | 159 | | 35% | 7 | 33 | 9 | 9 | 16 | 42 | 61 | 201 | | |
| **NBT** | 31 | 48 | 1 | 1 | 32 | 49 | | 20% | 4 | 19 | 5 | 5 | 9 | 24 | 41 | 73 | 30.5% | 29.7% |
| **NBR** | 5 | 18 | 0 | 1 | 5 | 19 | | 25% | 5 | 24 | 6 | 6 | 11 | 30 | 16 | 49 | | |
| **SBL** | 10 | 17 | 0 | 0 | 10 | 17 | | | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 17 | | |
| **SBT** | 27 | 33 | 1 | 1 | 28 | 34 | 20% | | 23 | 8 | 5 | 5 | 28 | 13 | 56 | 47 | 25.0% | 7.7% |
| **SBR** | 45 | 102 | 1 | 3 | 46 | 105 | | | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 105 | | |
| **Intersection 2 - Queen Street (CR 1) with Charles Street/Old Middleway Pike (CR 1/7** | | | | | | | | | | | | | | | | | | |
| **EBL** | 1 | 1 | 0 | 0 | 1 | 1 | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | | |
| **EBT** | 2 | 2 | 0 | 0 | 2 | 2 | | | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0.0% | 0.0% |
| **EBR** | 3 | 0 | 0 | 0 | 3 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | | |
| **WBL** | 13 | 37 | 0 | 1 | 13 | 38 | 10% | | 11 | 4 | 2 | 2 | 13 | 6 | 26 | 44 | | |
| **WBT** | 0 | 1 | 0 | 0 | 0 | 1 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 40.6% | 12.0% |
| **WBR** | 6 | 5 | 0 | 0 | 6 | 5 | | | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 5 | | |
| **NBL** | 1 | 2 | 0 | 0 | 1 | 2 | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | | |
| **NBT** | 64 | 207 | 2 | 6 | 66 | 213 | | 80% | 16 | 76 | 20 | 20 | 36 | 96 | 102 | 309 | 30.5% | 30.3% |
| **NBR** | 23 | 32 | 1 | 1 | 24 | 33 | | 10% | 2 | 10 | 2 | 2 | 4 | 12 | 28 | 45 | | |
| **SBL** | 6 | 11 | 0 | 0 | 6 | 11 | | | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 11 | | |
| **SBT** | 150 | 102 | 4 | 3 | 154 | 105 | 80% | | 91 | 33 | 20 | 20 | 111 | 53 | 265 | 158 | 40.8% | 30.6% |
| **SBR** | 1 | 4 | 0 | 0 | 1 | 4 | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | | |
| **Intersection 3 - Queen Street (CR 1) with Grace Street** | | | | | | | | | | | | | | | | | | |
| **EBL** | 32 | 36 | 1 | 1 | 33 | 37 | | 90% | 18 | 86 | 22 | 22 | 40 | 108 | 73 | 145 | | |
| **EBT** | 0 | 1 | 0 | 0 | 0 | 1 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 50.6% | 75.0% |
| **EBR** | 10 | 2 | 0 | 0 | 10 | 2 | | 10% | 2 | 10 | 2 | 2 | 4 | 12 | 14 | 14 | | |
| **WBL** | 0 | 1 | 0 | 0 | 0 | 1 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **WBT** | 0 | 1 | 0 | 0 | 0 | 1 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0% | 0.0% |
| **WBR** | 1 | 0 | 0 | 0 | 1 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | | |
| **NBL** | 2 | 7 | 0 | 0 | 2 | 7 | 10% | | 11 | 4 | 2 | 2 | 13 | 6 | 15 | 13 | | |
| **NBT** | 54 | 204 | 2 | 6 | 56 | 210 | | | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 210 | 18.3% | 2.7% |
| **NBR** | 0 | 1 | 0 | 0 | 0 | 1 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| **SBL** | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| **SBT** | 153 | 76 | 4 | 2 | 157 | 78 | | | 0 | 0 | 0 | 0 | 0 | 0 | 157 | 78 | 42.7% | 29.8% |
| **SBR** | 11 | 59 | 0 | 2 | 11 | 61 | 90% | | 103 | 37 | 22 | 22 | 125 | 59 | 136 | 120 | | |

**Annual Growth Rate** 1.41%

**Existing Year** 2022

**Build Year** 2024

| | AM | | PM | |
|---|---|---|---|---|
| | Enter | Exit | Enter | Exit |
| Employee Trips | 114 | 20 | 41 | 95 |
| Truck Trips | 24 | 24 | 24 | 24 |

# *APPENDIX B-2: TURNING MOVEMENT COUNTS*

# *VEHICLE AND PEDESTRIAN VOLUME SUMMARY*

| *COUNT LOCATION* | |
|---|---|
| *CITY* | Middleway |
| *STATE* | WV |
| *DATE* | 5/13/2022 |
| *INTERSECTION* | Int 1: Leetown Road (CR 1) @ WV 51 (Middleway Pike) |
| *COUNT BY* | AMT |

Friday

| STREET | CR 1 | | | | CR 1 | | | | WV 51 | | | | WV 51 | | | | Total | | | PEAK HR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From North | | | | From South | | | | From East | | | | From West | | | | | | | |
| TIME | L | T | R | TOT | L | T | R | TOT | L | T | R | TOT | L | T | R | TOT | N-S | E-W | ALL | |
| **0700 - 0715** | **3** | **7** | **11** | **21** | **9** | **8** | **2** | **19** | **1** | **24** | **1** | **26** | **16** | **67** | **41** | **124** | **40** | **150** | **190** | 329 |
| **0715 - 0730** | **4** | **5** | **12** | **21** | **13** | **7** | **2** | **22** | **0** | **39** | **2** | **41** | **20** | **56** | **29** | **105** | **43** | **146** | **189** | 478 |
| **0730 - 0745** | **1** | **10** | **7** | **18** | **11** | **12** | **0** | **23** | **0** | **28** | **3** | **31** | **15** | **57** | **30** | **102** | **41** | **133** | **174** | 612 |
| **0745 - 0800** | **2** | **5** | **15** | **22** | **11** | **4** | **1** | **16** | **0** | **35** | **3** | **38** | **14** | **53** | **22** | **89** | **38** | **127** | **165** | ***718*** |
| 0800 - 0815 | 2 | 6 | 9 | 17 | 14 | 7 | 1 | 22 | 0 | 22 | 2 | 24 | 12 | 41 | 25 | 78 | 39 | 102 | 141 | 669 |
| 0815 - 0830 | 2 | 4 | 14 | 20 | 9 | 5 | 1 | 15 | 0 | 33 | 3 | 36 | 15 | 51 | 13 | 79 | 35 | 115 | 150 | 630 |
| 0830 - 0845 | 1 | 8 | 12 | 21 | 8 | 7 | 0 | 15 | 0 | 30 | 4 | 34 | 16 | 59 | 16 | 91 | 36 | 125 | 161 | 617 |
| 0845 - 0900 | 6 | 5 | 18 | 29 | 15 | 6 | 3 | 24 | 2 | 25 | 1 | 28 | 14 | 40 | 6 | 60 | 53 | 88 | 141 | 593 |
| 1500 - 1515 | 1 | 11 | 10 | 22 | 28 | 8 | 2 | 38 | 3 | 64 | 4 | 71 | 12 | 56 | 14 | 82 | 60 | 153 | 213 | 213 |
| 1515 - 1530 | 2 | 7 | 20 | 29 | 32 | 15 | 3 | 50 | 4 | 55 | 6 | 65 | 13 | 49 | 11 | 73 | 79 | 138 | 217 | 430 |
| 1530 - 1545 | 4 | 10 | 23 | 37 | 25 | 18 | 0 | 43 | 0 | 56 | 7 | 63 | 5 | 47 | 15 | 67 | 80 | 130 | 210 | 640 |
| 1545 - 1600 | 9 | 21 | 20 | 50 | 43 | 13 | 1 | 57 | 0 | 54 | 6 | 60 | 16 | 47 | 12 | 75 | 107 | 135 | 242 | 882 |
| 1600 - 1615 | 0 | 12 | 28 | 40 | 34 | 13 | 3 | 50 | 3 | 67 | 2 | 72 | 19 | 46 | 25 | 90 | 90 | 162 | 252 | 921 |
| **1615 - 1630** | **6** | **11** | **30** | **47** | **42** | **12** | **5** | **59** | **5** | **87** | **15** | **107** | **23** | **52** | **21** | **96** | **106** | **203** | **309** | 1013 |
| **1630 - 1645** | **4** | **5** | **27** | **36** | **37** | **12** | **6** | **55** | **6** | **97** | **9** | **112** | **14** | **57** | **15** | **86** | **91** | **198** | **289** | 1092 |
| **1645 - 1700** | **3** | **8** | **24** | **35** | **41** | **16** | **5** | **62** | **5** | **51** | **9** | **65** | **14** | **49** | **17** | **80** | **97** | **145** | **242** | 1092 |
| **1700 - 1715** | **4** | **9** | **21** | **34** | **35** | **8** | **2** | **45** | **2** | **93** | **7** | **102** | **14** | **64** | **18** | **96** | **79** | **198** | **277** | ***1117*** |
| 1715 - 1730 | 5 | 9 | 21 | 35 | 31 | 14 | 3 | 48 | 1 | 86 | 14 | 101 | 13 | 42 | 16 | 71 | 83 | 172 | 255 | 1063 |
| 1730 - 1745 | 3 | 7 | 14 | 24 | 34 | 12 | 0 | 46 | 0 | 58 | 8 | 66 | 10 | 51 | 20 | 81 | 70 | 147 | 217 | 991 |
| 1745 - 1800 | 3 | 12 | 19 | 34 | 22 | 10 | 1 | 33 | 3 | 66 | 7 | 76 | 7 | 55 | 15 | 77 | 67 | 153 | 220 | 969 |
| | | | | | | | | | | | | | | | | | | | | |
| Peak HR AM | | | | | | | | | | | | | | | | | | | | |
| 0700 - 0800 | ***10*** | ***27*** | ***45*** | ***82*** | ***44*** | ***31*** | ***5*** | ***80*** | ***1*** | ***126*** | ***9*** | ***136*** | ***65*** | ***233*** | ***122*** | ***420*** | ***162*** | ***556*** | ***718*** | |
| | | | | | | | | | | | | | | | | | | | | |
| Peak HR PM | | | | | | | | | | | | | | | | | | | | |
| 1615 - 1715 | ***17*** | ***33*** | ***102*** | ***152*** | ***155*** | ***48*** | ***18*** | ***221*** | ***18*** | ***328*** | ***40*** | ***386*** | ***65*** | ***222*** | ***71*** | ***358*** | ***373*** | ***744*** | ***1117*** | |

| | | | | |
|---|---|---|---|---|
| **AM PHF** | **0.932** | **0.870** | **0.829** | **0.847** | **0.945** |
| **PM PHF** | **0.809** | **0.891** | **0.862** | **0.932** | **0.904** |

# *VEHICLE AND PEDESTRIAN VOLUME SUMMARY*

| *COUNT LOCATION* | |
|---|---|
| ***CITY*** | **Middleway** |
| ***STATE*** | **WV** |
| ***DATE*** | **7/8/2022** |
| ***INTERSECTION*** | **Int 1: Leetown Road (CR 1) @ WV 51 (Middleway Pike)** |
| ***COUNT BY*** | **AMT** |

Friday

| **STREET** | **CR 1** | | | | **CR 1** | | | | **WV 51** | | | | **WV 51** | | | | **Total** | | | **PEAK HR** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **From North** | | | | **From South** | | | | **From East** | | | | **From West** | | | | | | | |
| **TIME** | **L** | **T** | **R** | **TOT** | **L** | **T** | **R** | **TOT** | **L** | **T** | **R** | **TOT** | **L** | **T** | **R** | **TOT** | **N-S** | **E-W** | **ALL** | |
| 0600 - 0615 | 1 | 6 | 5 | 12 | 9 | 3 | 0 | 12 | 0 | 11 | 1 | 12 | 9 | 31 | 20 | 60 | 24 | 72 | 96 | 96 |
| 0615 - 0630 | 2 | 6 | 5 | 13 | 6 | 3 | 0 | 9 | 0 | 19 | 0 | 19 | 19 | 36 | 38 | 93 | 22 | 112 | 134 | 230 |
| 0630 - 0645 | 0 | 11 | 7 | 18 | 11 | 8 | 1 | 20 | 0 | 22 | 2 | 24 | 18 | 41 | 41 | 100 | 38 | 124 | 162 | 392 |
| 0645 - 0700 | 4 | 3 | 9 | 16 | 10 | 3 | 1 | 14 | 2 | 21 | 1 | 24 | 19 | 38 | 25 | 82 | 30 | 106 | 136 | 528 |
| **0700 - 0715** | **1** | **4** | **5** | **10** | **8** | **3** | **0** | **11** | **0** | **27** | **2** | **29** | **11** | **41** | **33** | **85** | **21** | **114** | **135** | 567 |
| **0715 - 0730** | **0** | **6** | **6** | **12** | **6** | **6** | **2** | **14** | **0** | **27** | **0** | **27** | **18** | **47** | **25** | **90** | **26** | **117** | **143** | 576 |
| **0730 - 0745** | **1** | **1** | **8** | **10** | **13** | **9** | **0** | **22** | **0** | **27** | **2** | **29** | **17** | **50** | **23** | **90** | **32** | **119** | **151** | 565 |
| **0745 - 0800** | **4** | **6** | **9** | **19** | **15** | **9** | **0** | **24** | **1** | **29** | **3** | **33** | **21** | **43** | **18** | **82** | **43** | **115** | **158** | ***587*** |
| 0800 - 0815 | 1 | 7 | 9 | 17 | 9 | 6 | 0 | 15 | 0 | 19 | 1 | 20 | 15 | 48 | 17 | 80 | 32 | 100 | 132 | 584 |
| 0815 - 0830 | 2 | 8 | 9 | 19 | 6 | 5 | 0 | 11 | 0 | 27 | 4 | 31 | 10 | 32 | 16 | 58 | 30 | 89 | 119 | 560 |
| 0830 - 0845 | 4 | 4 | 11 | 19 | 11 | 1 | 0 | 12 | 1 | 35 | 3 | 39 | 15 | 54 | 9 | 78 | 31 | 117 | 148 | 557 |
| 0845 - 0900 | 4 | 8 | 7 | 19 | 11 | 9 | 2 | 22 | 0 | 30 | 5 | 35 | 10 | 40 | 15 | 65 | 41 | 100 | 141 | 540 |
| 0900 - 0915 | 3 | 6 | 8 | 17 | 9 | 3 | 2 | 14 | 1 | 30 | 4 | 35 | 8 | 30 | 22 | 60 | 31 | 95 | 126 | 534 |
| 0915 - 0930 | 6 | 3 | 13 | 22 | 8 | 3 | 0 | 11 | 0 | 22 | 8 | 30 | 9 | 42 | 11 | 62 | 33 | 92 | 125 | 540 |
| 0930 - 0945 | 5 | 3 | 7 | 15 | 12 | 5 | 3 | 20 | 0 | 30 | 2 | 32 | 10 | 27 | 9 | 46 | 35 | 78 | 113 | 505 |
| 0945 - 1000 | 3 | 4 | 6 | 13 | 10 | 3 | 0 | 13 | 0 | 28 | 3 | 31 | 9 | 36 | 11 | 56 | 26 | 87 | 113 | 477 |
| 1000 - 1015 | 5 | 4 | 10 | 19 | 9 | 6 | 2 | 17 | 2 | 21 | 6 | 29 | 11 | 27 | 9 | 47 | 36 | 76 | 112 | 463 |
| 1015 - 1030 | 5 | 9 | 4 | 18 | 10 | 7 | 1 | 18 | 0 | 31 | 4 | 35 | 16 | 37 | 10 | 63 | 36 | 98 | 134 | 472 |
| 1030 - 1045 | 2 | 3 | 13 | 18 | 8 | 4 | 0 | 12 | 0 | 35 | 5 | 40 | 11 | 42 | 18 | 71 | 30 | 111 | 141 | 500 |
| 1045 - 1100 | 3 | 4 | 11 | 18 | 12 | 7 | 2 | 21 | 2 | 32 | 0 | 34 | 8 | 49 | 11 | 68 | 39 | 102 | 141 | 528 |
| 1100 - 1115 | 5 | 5 | 10 | 20 | 12 | 4 | 1 | 17 | 0 | 38 | 1 | 39 | 12 | 33 | 14 | 59 | 37 | 98 | 135 | 551 |
| 1115 - 1130 | 5 | 5 | 11 | 21 | 10 | 1 | 3 | 14 | 2 | 29 | 7 | 38 | 13 | 36 | 13 | 62 | 35 | 100 | 135 | 552 |
| 1130 - 1145 | 9 | 5 | 19 | 33 | 12 | 1 | 2 | 15 | 4 | 39 | 8 | 51 | 12 | 40 | 7 | 59 | 48 | 110 | 158 | 569 |
| 1145 - 1200 | 9 | 3 | 10 | 22 | 11 | 8 | 6 | 25 | 1 | 28 | 11 | 40 | 12 | 45 | 7 | 64 | 47 | 104 | 151 | 579 |
| 1200 - 1215 | 4 | 5 | 15 | 24 | 17 | 3 | 4 | 24 | 4 | 32 | 5 | 41 | 5 | 34 | 14 | 53 | 48 | 94 | 142 | 586 |
| 1215 - 1230 | 0 | 6 | 11 | 17 | 16 | 11 | 1 | 28 | 3 | 57 | 3 | 63 | 13 | 36 | 18 | 67 | 45 | 130 | 175 | 626 |
| 1230 - 1245 | 4 | 5 | 18 | 27 | 14 | 4 | 0 | 18 | 5 | 38 | 4 | 47 | 8 | 43 | 15 | 66 | 45 | 113 | 158 | 626 |
| 1245 - 1300 | 3 | 6 | 10 | 19 | 13 | 8 | 0 | 21 | 5 | 31 | 4 | 40 | 15 | 38 | 9 | 62 | 40 | 102 | 142 | 617 |
| 1300 - 1315 | 7 | 6 | 17 | 30 | 15 | 11 | 2 | 28 | 3 | 41 | 11 | 55 | 11 | 47 | 8 | 66 | 58 | 121 | 179 | 654 |
| 1315 - 1330 | 7 | 5 | 14 | 26 | 19 | 2 | 2 | 23 | 1 | 46 | 5 | 52 | 11 | 34 | 15 | 60 | 49 | 112 | 161 | 640 |
| 1330 - 1345 | 7 | 2 | 17 | 26 | 10 | 6 | 1 | 17 | 3 | 40 | 3 | 46 | 8 | 36 | 13 | 57 | 43 | 103 | 146 | 628 |
| 1345 - 1400 | 3 | 4 | 16 | 23 | 16 | 9 | 4 | 29 | 1 | 42 | 6 | 49 | 10 | 39 | 15 | 64 | 52 | 113 | 165 | 651 |
| 1400 - 1415 | 5 | 8 | 13 | 26 | 14 | 9 | 4 | 27 | 4 | 49 | 6 | 59 | 9 | 43 | 13 | 65 | 53 | 124 | 177 | 649 |
| 1415 - 1430 | 4 | 6 | 17 | 27 | 14 | 15 | 1 | 30 | 1 | 45 | 9 | 55 | 8 | 41 | 16 | 65 | 57 | 120 | 177 | 665 |
| 1430 - 1445 | 6 | 10 | 18 | 34 | 18 | 8 | 1 | 27 | 1 | 42 | 0 | 43 | 11 | 53 | 12 | 76 | 61 | 119 | 180 | 699 |
| 1445 - 1500 | 2 | 12 | 14 | 28 | 22 | 8 | 2 | 32 | 3 | 61 | 6 | 70 | 10 | 38 | 14 | 62 | 60 | 132 | 192 | 726 |
| 1500 - 1515 | 7 | 6 | 21 | 34 | 32 | 11 | 0 | 43 | 2 | 51 | 3 | 56 | 10 | 32 | 12 | 54 | 77 | 110 | 187 | 736 |
| 1515 - 1530 | 1 | 9 | 17 | 27 | 36 | 10 | 6 | 52 | 1 | 78 | 3 | 82 | 22 | 48 | 10 | 80 | 79 | 162 | 241 | 800 |
| 1530 - 1545 | 5 | 9 | 23 | 37 | 36 | 10 | 3 | 49 | 1 | 61 | 5 | 67 | 12 | 43 | 18 | 73 | 86 | 140 | 226 | 846 |
| 1545 - 1600 | 2 | 13 | 14 | 29 | 33 | 9 | 2 | 44 | 1 | 63 | 7 | 71 | 14 | 37 | 14 | 65 | 73 | 136 | 209 | 863 |
| 1600 - 1615 | 5 | 12 | 20 | 37 | 26 | 16 | 1 | 43 | 1 | 67 | 3 | 71 | 9 | 49 | 12 | 70 | 80 | 141 | 221 | 897 |
| **1615 - 1630** | **4** | **10** | **22** | **36** | **23** | **12** | **1** | **36** | **1** | **70** | **4** | **75** | **12** | **61** | **11** | **84** | **72** | **159** | **231** | 887 |
| **1630 - 1645** | **0** | **4** | **17** | **21** | **40** | **8** | **1** | **49** | **1** | **68** | **4** | **73** | **11** | **56** | **17** | **84** | **70** | **157** | **227** | 888 |
| **1645 - 1700** | **6** | **7** | **25** | **38** | **40** | **6** | **3** | **49** | **0** | **62** | **7** | **69** | **16** | **50** | **21** | **87** | **87** | **156** | **243** | 922 |
| **1700 - 1715** | **4** | **6** | **17** | **27** | **28** | **11** | **2** | **41** | **1** | **52** | **4** | **57** | **14** | **48** | **11** | **73** | **68** | **130** | **198** | ***899*** |
| 1715 - 1730 | 3 | 5 | 19 | 27 | 27 | 15 | 4 | 46 | 3 | 89 | 8 | 100 | 18 | 58 | 19 | 95 | 73 | 195 | 268 | 936 |
| 1730 - 1745 | 4 | 9 | 14 | 27 | 27 | 18 | 7 | 52 | 2 | 64 | 4 | 70 | 11 | 51 | 15 | 77 | 79 | 147 | 226 | 935 |
| 1745 - 1800 | 1 | 7 | 14 | 22 | 23 | 10 | 1 | 34 | 1 | 68 | 6 | 75 | 12 | 48 | 16 | 76 | 56 | 151 | 207 | 899 |
| 1800 - 1815 | 3 | 5 | 17 | 25 | 26 | 7 | 3 | 36 | 1 | 59 | 6 | 66 | 10 | 47 | 13 | 70 | 61 | 136 | 197 | 898 |
| 1815 - 1830 | 2 | 7 | 19 | 28 | 25 | 10 | 2 | 37 | 3 | 61 | 7 | 71 | 9 | 59 | 10 | 78 | 65 | 149 | 214 | 844 |
| 1830 - 1845 | 9 | 4 | 12 | 25 | 14 | 10 | 5 | 29 | 4 | 42 | 8 | 54 | 10 | 44 | 14 | 68 | 54 | 122 | 176 | 794 |
| 1845 - 1900 | 3 | 8 | 7 | 18 | 16 | 9 | 1 | 26 | 2 | 43 | 4 | 49 | 13 | 43 | 7 | 63 | 44 | 112 | 156 | 743 |
| | | | | | | | | | | | | | | | | | | | | |
| Peak HR AM | | | | | | | | | | | | | | | | | | | | |
| 0700 - 0800 | ***6*** | ***17*** | ***28*** | ***51*** | ***42*** | ***27*** | ***2*** | ***71*** | ***1*** | ***110*** | ***7*** | ***118*** | ***67*** | ***181*** | ***99*** | ***347*** | ***122*** | ***465*** | ***587*** | |
| | | | | | | | | | | | | | | | | | | | | |
| Peak HR PM | | | | | | | | | | | | | | | | | | | | |
| 1615 - 1715 | ***14*** | ***27*** | ***81*** | ***122*** | ***131*** | ***37*** | ***7*** | ***175*** | ***3*** | ***252*** | ***19*** | ***274*** | ***53*** | ***215*** | ***60*** | ***328*** | ***297*** | ***602*** | ***899*** | |
| | | | | | | | | | | | | | | | | | | | | |
| **AM PHF** | **0.671** | | | | **0.740** | | | | **0.894** | | | | **0.964** | | | | **0.929** | | | |
| | | | | | | | | | | | | | | | | | | | | |
| **PM PHF** | **0.803** | | | | **0.893** | | | | **0.913** | | | | **0.943** | | | | **0.925** | | | |

# *VEHICLE AND PEDESTRIAN VOLUME SUMMARY*

| *COUNT LOCATION* | |
|---|---|
| *CITY* | Middleway |
| *STATE* | WV |
| *DATE* | 5/13/2022 |
| *INTERSECTION* | Int 2: Queen Street (CR 1) @ Charles Street/Old Middleway Pike (CR 1/7) |
| *COUNT BY* | AMT |

Friday

| STREET | CR 1 | | | | CR 1 | | | | CR 1/7 | | | | Charles St | | | | Total | | | PEAK HR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From North | | | | From South | | | | From East | | | | From West | | | | | | | |
| TIME | L | T | R | TOT | L | T | R | TOT | L | T | R | TOT | L | T | R | TOT | N-S | E-W | ALL | |
| **0700 - 0715** | **0** | **53** | **1** | **54** | **1** | **13** | **7** | **21** | **0** | **0** | **1** | **1** | **1** | **0** | **1** | **2** | **75** | **3** | **78** | 217 |
| **0715 - 0730** | **1** | **28** | **0** | **29** | **0** | **17** | **3** | **20** | **3** | **0** | **3** | **6** | **0** | **1** | **2** | **3** | **49** | **9** | **58** | 235 |
| **0730 - 0745** | **1** | **45** | **0** | **46** | **0** | **19** | **7** | **26** | **5** | **0** | **0** | **5** | **0** | **1** | **0** | **1** | **72** | **6** | **78** | 273 |
| **0745 - 0800** | **4** | **24** | **0** | **28** | **0** | **15** | **6** | **21** | **5** | **0** | **2** | **7** | **0** | **0** | **0** | **0** | **49** | **7** | **56** | ***270*** |
| 0800 - 0815 | 1 | 32 | 0 | 33 | 0 | 23 | 3 | 26 | 6 | 0 | 0 | 6 | 0 | 1 | 0 | 1 | 59 | 7 | 66 | 258 |
| 0815 - 0830 | 0 | 14 | 0 | 14 | 1 | 10 | 6 | 17 | 3 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 31 | 4 | 35 | 235 |
| 0830 - 0845 | 1 | 21 | 0 | 22 | 0 | 12 | 5 | 17 | 4 | 0 | 1 | 5 | 1 | 0 | 0 | 1 | 39 | 6 | 45 | 202 |
| 0845 - 0900 | 0 | 14 | 0 | 14 | 0 | 22 | 5 | 27 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 41 | 2 | 43 | 189 |
| 1500 - 1515 | 2 | 25 | 0 | 27 | 1 | 27 | 3 | 31 | 9 | 0 | 3 | 12 | 0 | 0 | 0 | 0 | 58 | 12 | 70 | 70 |
| 1515 - 1530 | 5 | 15 | 0 | 20 | 1 | 48 | 6 | 55 | 10 | 1 | 1 | 12 | 0 | 1 | 0 | 1 | 75 | 13 | 88 | 158 |
| 1530 - 1545 | 2 | 21 | 0 | 23 | 0 | 43 | 6 | 49 | 10 | 0 | 0 | 10 | 0 | 1 | 0 | 1 | 72 | 11 | 83 | 241 |
| 1545 - 1600 | 2 | 35 | 0 | 37 | 0 | 53 | 11 | 64 | 7 | 0 | 4 | 11 | 0 | 0 | 0 | 0 | 101 | 11 | 112 | 353 |
| 1600 - 1615 | 3 | 31 | 1 | 35 | 0 | 47 | 2 | 49 | 5 | 0 | 3 | 8 | 0 | 0 | 1 | 1 | 84 | 9 | 93 | 376 |
| **1615 - 1630** | **3** | **32** | **0** | **35** | **0** | **65** | **6** | **71** | **8** | **1** | **1** | **10** | **0** | **0** | **0** | **0** | **106** | **10** | **116** | 404 |
| **1630 - 1645** | **3** | **20** | **1** | **24** | **0** | **46** | **12** | **58** | **9** | **0** | **1** | **10** | **0** | **0** | **0** | **0** | **82** | **10** | **92** | 413 |
| **1645 - 1700** | **4** | **26** | **3** | **33** | **1** | **63** | **5** | **69** | **6** | **0** | **1** | **7** | **0** | **1** | **0** | **1** | **102** | **8** | **110** | 411 |
| **1700 - 1715** | **1** | **24** | **0** | **25** | **1** | **33** | **9** | **43** | **14** | **0** | **2** | **16** | **1** | **1** | **0** | **2** | **68** | **18** | **86** | ***404*** |
| 1715 - 1730 | 1 | 27 | 0 | 28 | 0 | 48 | 5 | 53 | 8 | 0 | 1 | 9 | 1 | 1 | 0 | 2 | 81 | 11 | 92 | 380 |
| 1730 - 1745 | 2 | 21 | 0 | 23 | 0 | 37 | 2 | 39 | 12 | 1 | 0 | 13 | 1 | 0 | 0 | 1 | 62 | 14 | 76 | 364 |
| 1745 - 1800 | 0 | 28 | 0 | 28 | 1 | 31 | 5 | 37 | 6 | 2 | 1 | 9 | 0 | 0 | 0 | 0 | 65 | 9 | 74 | 328 |
| | | | | | | | | | | | | | | | | | | | | |
| Peak HR AM | | | | | | | | | | | | | | | | | | | | |
| 0700 - 0800 | ***6*** | ***150*** | ***1*** | ***157*** | ***1*** | ***64*** | ***23*** | ***88*** | ***13*** | ***0*** | ***6*** | ***19*** | ***1*** | ***2*** | ***3*** | ***6*** | ***245*** | ***25*** | ***270*** | |
| | | | | | | | | | | | | | | | | | | | | |
| Peak HR PM | | | | | | | | | | | | | | | | | | | | |
| 1615 - 1715 | ***11*** | ***102*** | ***4*** | ***117*** | ***2*** | ***207*** | ***32*** | ***241*** | ***37*** | ***1*** | ***5*** | ***43*** | ***1*** | ***2*** | ***0*** | ***3*** | ***358*** | ***46*** | ***404*** | |
| | | | | | | | | | | | | | | | | | | | | |
| **AM PHF** | **0.727** | | | | **0.846** | | | | **0.679** | | | | **0.500** | | | | **0.865** | | | |
| | | | | | | | | | | | | | | | | | | | | |
| **PM PHF** | **0.836** | | | | **0.849** | | | | **0.672** | | | | **0.375** | | | | **0.871** | | | |

# *VEHICLE AND PEDESTRIAN VOLUME SUMMARY*

| *COUNT LOCATION* | |
|---|---|
| *CITY* | Middleway |
| *STATE* | WV |
| *DATE* | 5/13/2022 |
| *INTERSECTION* | Int 3: Queen Street (CR 1) @ Grace Street |
| *COUNT BY* | AMT |

Friday

| STREET | CR 1 | | | | CR 1 | | | | Grace St | | | | Grace St | | | | Total | | | PEAK HR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From North | | | | From South | | | | From East | | | | From West | | | | | | | |
| TIME | L | T | R | TOT | L | T | R | TOT | L | T | R | TOT | L | T | R | TOT | N-S | E-W | ALL | |
| **0700 - 0715** | **0** | **49** | **5** | **54** | **0** | **12** | **0** | **12** | **0** | **0** | **0** | **0** | **9** | **0** | **4** | **13** | **66** | **13** | **79** | 247 |
| **0715 - 0730** | **0** | **31** | **2** | **33** | **2** | **12** | **0** | **14** | **0** | **0** | **1** | **1** | **7** | **0** | **1** | **8** | **47** | **9** | **56** | 266 |
| **0730 - 0745** | **0** | **47** | **2** | **49** | **0** | **19** | **0** | **19** | **0** | **0** | **0** | **0** | **8** | **0** | **2** | **10** | **68** | **10** | **78** | 291 |
| **0745 - 0800** | **0** | **26** | **2** | **28** | **0** | **11** | **0** | **11** | **0** | **0** | **0** | **0** | **8** | **0** | **3** | **11** | **39** | **11** | **50** | ***263*** |
| 0800 - 0815 | 0 | 35 | 2 | 37 | 0 | 21 | 0 | 21 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 5 | 58 | 5 | 63 | 247 |
| 0815 - 0830 | 0 | 19 | 0 | 19 | 0 | 11 | 0 | 11 | 0 | 0 | 0 | 0 | 6 | 0 | 2 | 8 | 30 | 8 | 38 | 229 |
| 0830 - 0845 | 1 | 21 | 3 | 25 | 1 | 14 | 0 | 15 | 0 | 1 | 0 | 1 | 3 | 0 | 0 | 3 | 40 | 4 | 44 | 195 |
| 0845 - 0900 | 0 | 10 | 5 | 15 | 1 | 17 | 1 | 19 | 0 | 0 | 0 | 0 | 10 | 0 | 2 | 12 | 34 | 12 | 46 | 191 |
| 1500 - 1515 | 0 | 24 | 10 | 34 | 1 | 25 | 0 | 26 | 0 | 0 | 1 | 1 | 6 | 0 | 2 | 8 | 60 | 9 | 69 | 69 |
| 1515 - 1530 | 0 | 15 | 11 | 26 | 2 | 50 | 1 | 53 | 1 | 0 | 0 | 1 | 7 | 0 | 0 | 7 | 79 | 8 | 87 | 156 |
| 1530 - 1545 | 0 | 22 | 9 | 31 | 0 | 47 | 0 | 47 | 0 | 0 | 1 | 1 | 8 | 0 | 2 | 10 | 78 | 11 | 89 | 245 |
| 1545 - 1600 | 0 | 27 | 15 | 42 | 1 | 43 | 1 | 45 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 12 | 87 | 12 | 99 | 344 |
| 1600 - 1615 | 1 | 26 | 9 | 36 | 0 | 39 | 0 | 39 | 0 | 0 | 0 | 0 | 11 | 1 | 1 | 13 | 75 | 13 | 88 | 363 |
| **1615 - 1630** | **0** | **26** | **14** | **40** | **0** | **67** | **1** | **68** | **0** | **1** | **0** | **1** | **9** | **0** | **0** | **9** | **108** | **10** | **118** | 394 |
| **1630 - 1645** | **0** | **14** | **14** | **28** | **4** | **44** | **0** | **48** | **0** | **0** | **0** | **0** | **10** | **0** | **1** | **11** | **76** | **11** | **87** | 392 |
| **1645 - 1700** | **0** | **17** | **13** | **30** | **1** | **55** | **0** | **56** | **1** | **0** | **0** | **1** | **10** | **1** | **1** | **12** | **86** | **13** | **99** | 392 |
| **1700 - 1715** | **0** | **19** | **18** | **37** | **2** | **38** | **0** | **40** | **0** | **0** | **0** | **0** | **7** | **0** | **0** | **7** | **77** | **7** | **84** | ***388*** |
| 1715 - 1730 | 0 | 21 | 13 | 34 | 2 | 41 | 0 | 43 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 11 | 77 | 11 | 88 | 358 |
| 1730 - 1745 | 0 | 18 | 13 | 31 | 0 | 33 | 0 | 33 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 4 | 64 | 4 | 68 | 339 |
| 1745 - 1800 | 0 | 22 | 13 | 35 | 1 | 32 | 0 | 33 | 0 | 0 | 0 | 0 | 6 | 0 | 1 | 7 | 68 | 7 | 75 | 315 |
| | | | | | | | | | | | | | | | | | | | | |
| Peak HR AM | | | | | | | | | | | | | | | | | | | | |
| 0700 - 0800 | ***0*** | ***153*** | ***11*** | ***164*** | ***2*** | ***54*** | ***0*** | ***56*** | ***0*** | ***0*** | ***1*** | ***1*** | ***32*** | ***0*** | ***10*** | ***42*** | ***220*** | ***43*** | ***263*** | |
| | | | | | | | | | | | | | | | | | | | | |
| Peak HR PM | | | | | | | | | | | | | | | | | | | | |
| 1615 - 1715 | ***0*** | ***76*** | ***59*** | ***135*** | ***7*** | ***204*** | ***1*** | ***212*** | ***1*** | ***1*** | ***0*** | ***2*** | ***36*** | ***1*** | ***2*** | ***39*** | ***347*** | ***41*** | ***388*** | |

| | | | | |
|---|---|---|---|---|
| **AM PHF** | **0.759** | **0.737** | **0.250** | **0.808** | **0.832** |
| **PM PHF** | **0.844** | **0.779** | **0.500** | **0.813** | **0.822** |

# *APPENDIX C: SYNCHRO OUTPUTS*

# *APPENDIX C-1: 2022 EXISTING CONDITIONS AM PEAK HOUR*

| Intersection | |
|---|---|
| Int Delay, s/veh | 4.1 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ⇕ | | | ⇕ | | | ⇕ | | | ⇕ | |
| Traffic Vol, veh/h | 65 | 233 | 122 | 1 | 126 | 9 | 44 | 31 | 5 | 10 | 27 | 45 |
| Future Vol, veh/h | 65 | 233 | 122 | 1 | 126 | 9 | 44 | 31 | 5 | 10 | 27 | 45 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Free | Free | Stop | Stop | Stop | Stop | Stop | Stop |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| Heavy Vehicles, % | 2 | 8 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 68 | 245 | 128 | 1 | 133 | 9 | 46 | 33 | 5 | 11 | 28 | 47 |

| Major/Minor | Major1 | | | Major2 | | | Minor1 | | | Minor2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 142 | 0 | 0 | 373 | 0 | 0 | 622 | 589 | 309 | 604 | 649 | 138 |
| Stage 1 | - | - | - | - | - | - | 445 | 445 | - | 140 | 140 | - |
| Stage 2 | - | - | - | - | - | - | 177 | 144 | - | 464 | 509 | - |
| Critical Hdwy | 4.12 | - | - | 4.12 | - | - | 7.12 | 6.52 | 6.22 | 7.12 | 6.52 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | - | - | 6.12 | 5.52 | - | 6.12 | 5.52 | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - | 6.12 | 5.52 | - | 6.12 | 5.52 | - |
| Follow-up Hdwy | 2.218 | - | - | 2.218 | - | - | 3.518 | 4.018 | 3.318 | 3.518 | 4.018 | 3.318 |
| Pot Cap-1 Maneuver | 1441 | - | - | 1185 | - | - | 399 | 421 | 731 | 410 | 389 | 910 |
| Stage 1 | - | - | - | - | - | - | 592 | 575 | - | 863 | 781 | - |
| Stage 2 | - | - | - | - | - | - | 825 | 778 | - | 578 | 538 | - |
| Platoon blocked, % | | - | - | | - | - | | | | | | |
| Mov Cap-1 Maneuver | 1441 | - | - | 1185 | - | - | 339 | 395 | 731 | 364 | 365 | 910 |
| Mov Cap-2 Maneuver | - | - | - | - | - | - | 339 | 395 | - | 364 | 365 | - |
| Stage 1 | - | - | - | - | - | - | 556 | 540 | - | 810 | 780 | - |
| Stage 2 | - | - | - | - | - | - | 753 | 777 | - | 506 | 505 | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 1.2 | 0.1 | 17.5 | 12.9 |
| HCM LOS | | | C | B |

| Minor Lane/Major Mvmt | NBLn1 | EBL | EBT | EBR | WBL | WBT | WBR | SBLn1 |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 372 | 1441 | - | - | 1185 | - | - | 543 |
| HCM Lane V/C Ratio | 0.226 | 0.047 | - | - | 0.001 | - | - | 0.159 |
| HCM Control Delay (s) | 17.5 | 7.6 | 0 | - | 8 | 0 | - | 12.9 |
| HCM Lane LOS | C | A | A | - | A | A | - | B |
| HCM 95th %tile Q(veh) | 0.9 | 0.1 | - | - | 0 | - | - | 0.6 |

| Intersection | |
|---|---|
| Int Delay, s/veh | 1.1 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ↕ | | | ↕ | | | ↕ | | | ↕ | |
| Traffic Vol, veh/h | 1 | 2 | 3 | 13 | 0 | 6 | 1 | 64 | 23 | 6 | 150 | 1 |
| Future Vol, veh/h | 1 | 2 | 3 | 13 | 0 | 6 | 1 | 64 | 23 | 6 | 150 | 1 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 1 | 2 | 3 | 15 | 0 | 7 | 1 | 74 | 26 | 7 | 172 | 1 |

| Major/Minor | Minor2 | | | Minor1 | | | Major1 | | | Major2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 280 | 289 | 173 | 278 | 276 | 87 | 173 | 0 | 0 | 100 | 0 | 0 |
| Stage 1 | 187 | 187 | - | 89 | 89 | - | - | - | - | - | - | - |
| Stage 2 | 93 | 102 | - | 189 | 187 | - | - | - | - | - | - | - |
| Critical Hdwy | 7.12 | 6.52 | 6.22 | 7.12 | 6.52 | 6.22 | 4.12 | - | - | 4.12 | - | - |
| Critical Hdwy Stg 1 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Follow-up Hdwy | 3.518 | 4.018 | 3.318 | 3.518 | 4.018 | 3.318 | 2.218 | - | - | 2.218 | - | - |
| Pot Cap-1 Maneuver | 672 | 621 | 871 | 674 | 632 | 971 | 1404 | - | - | 1493 | - | - |
| Stage 1 | 815 | 745 | - | 918 | 821 | - | - | - | - | - | - | - |
| Stage 2 | 914 | 811 | - | 813 | 745 | - | - | - | - | - | - | - |
| Platoon blocked, % | | | | | | | | - | - | | - | - |
| Mov Cap-1 Maneuver | 664 | 617 | 871 | 667 | 628 | 971 | 1404 | - | - | 1493 | - | - |
| Mov Cap-2 Maneuver | 664 | 617 | - | 667 | 628 | - | - | - | - | - | - | - |
| Stage 1 | 814 | 741 | - | 917 | 820 | - | - | - | - | - | - | - |
| Stage 2 | 907 | 810 | - | 803 | 741 | - | - | - | - | - | - | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 10 | 10 | 0.1 | 0.3 |
| HCM LOS | B | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | NBR | EBLn1 | WBLn1 | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 1404 | - | - | 732 | 740 | 1493 | - | - |
| HCM Lane V/C Ratio | 0.001 | - | - | 0.009 | 0.03 | 0.005 | - | - |
| HCM Control Delay (s) | 7.6 | 0 | - | 10 | 10 | 7.4 | 0 | - |
| HCM Lane LOS | A | A | - | B | B | A | A | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 0 | 0.1 | 0 | - | - |

| Intersection | |
|---|---|
| Int Delay, s/veh | 1.8 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ⇕ | | | ⇕ | | | ⇕ | | | ⇕ | |
| Traffic Vol, veh/h | 32 | 0 | 10 | 0 | 0 | 1 | 2 | 54 | 0 | 0 | 153 | 11 |
| Future Vol, veh/h | 32 | 0 | 10 | 0 | 0 | 1 | 2 | 54 | 0 | 0 | 153 | 11 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 39 | 0 | 12 | 0 | 0 | 1 | 2 | 65 | 0 | 0 | 184 | 13 |

| Major/Minor | Minor2 | | | Minor1 | | | Major1 | | | Major2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 261 | 260 | 191 | 266 | 266 | 65 | 197 | 0 | 0 | 65 | 0 | 0 |
| Stage 1 | 191 | 191 | - | 69 | 69 | - | - | - | - | - | - | - |
| Stage 2 | 70 | 69 | - | 197 | 197 | - | - | - | - | - | - | - |
| Critical Hdwy | 7.12 | 6.52 | 6.22 | 7.12 | 6.52 | 6.22 | 4.12 | - | - | 4.12 | - | - |
| Critical Hdwy Stg 1 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Follow-up Hdwy | 3.518 | 4.018 | 3.318 | 3.518 | 4.018 | 3.318 | 2.218 | - | - | 2.218 | - | - |
| Pot Cap-1 Maneuver | 692 | 645 | 851 | 687 | 640 | 999 | 1376 | - | - | 1537 | - | - |
| Stage 1 | 811 | 742 | - | 941 | 837 | - | - | - | - | - | - | - |
| Stage 2 | 940 | 837 | - | 805 | 738 | - | - | - | - | - | - | - |
| Platoon blocked, % | | | | | | | | - | - | | - | - |
| Mov Cap-1 Maneuver | 690 | 644 | 851 | 676 | 639 | 999 | 1376 | - | - | 1537 | - | - |
| Mov Cap-2 Maneuver | 690 | 644 | - | 676 | 639 | - | - | - | - | - | - | - |
| Stage 1 | 809 | 742 | - | 939 | 835 | - | - | - | - | - | - | - |
| Stage 2 | 937 | 835 | - | 794 | 738 | - | - | - | - | - | - | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 10.4 | 8.6 | 0.3 | 0 |
| HCM LOS | B | A | | |

| Minor Lane/Major Mvmt | NBL | NBT | NBR | EBLn1 | WBLn1 | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 1376 | - | - | 723 | 999 | 1537 | - | - |
| HCM Lane V/C Ratio | 0.002 | - | - | 0.07 | 0.001 | - | - | - |
| HCM Control Delay (s) | 7.6 | 0 | - | 10.4 | 8.6 | 0 | - | - |
| HCM Lane LOS | A | A | - | B | A | A | - | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 0.2 | 0 | 0 | - | - |

# *APPENDIX C-2: 2022 EXISTING CONDITIONS PM PEAK HOUR*

| Intersection | |
|---|---|
| Int Delay, s/veh | 42.2 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ⇕ | | | ⇕ | | | ⇕ | | | ⇕ | |
| Traffic Vol, veh/h | 65 | 222 | 71 | 18 | 328 | 40 | 155 | 48 | 18 | 17 | 33 | 102 |
| Future Vol, veh/h | 65 | 222 | 71 | 18 | 328 | 40 | 155 | 48 | 18 | 17 | 33 | 102 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Free | Free | Stop | Stop | Stop | Stop | Stop | Stop |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| Heavy Vehicles, % | 2 | 8 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 72 | 247 | 79 | 20 | 364 | 44 | 172 | 53 | 20 | 19 | 37 | 113 |

| Major/Minor | Major1 | | | Major2 | | | Minor1 | | | Minor2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 408 | 0 | 0 | 326 | 0 | 0 | 932 | 879 | 287 | 893 | 896 | 386 |
| Stage 1 | - | - | - | - | - | - | 431 | 431 | - | 426 | 426 | - |
| Stage 2 | - | - | - | - | - | - | 501 | 448 | - | 467 | 470 | - |
| Critical Hdwy | 4.12 | - | - | 4.12 | - | - | 7.12 | 6.52 | 6.22 | 7.12 | 6.52 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | - | - | 6.12 | 5.52 | - | 6.12 | 5.52 | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - | 6.12 | 5.52 | - | 6.12 | 5.52 | - |
| Follow-up Hdwy | 2.218 | - | - | 2.218 | - | - | 3.518 | 4.018 | 3.318 | 3.518 | 4.018 | 3.318 |
| Pot Cap-1 Maneuver | 1151 | - | - | 1234 | - | - | 247 | 286 | 752 | 262 | 280 | 662 |
| Stage 1 | - | - | - | - | - | - | 603 | 583 | - | 606 | 586 | - |
| Stage 2 | - | - | - | - | - | - | 552 | 573 | - | 576 | 560 | - |
| Platoon blocked, % | | - | - | | - | - | | | | | | |
| Mov Cap-1 Maneuver | 1151 | - | - | 1234 | - | - | ~ 169 | 259 | 752 | 199 | 253 | 662 |
| Mov Cap-2 Maneuver | - | - | - | - | - | - | ~ 169 | 259 | - | 199 | 253 | - |
| Stage 1 | - | - | - | - | - | - | 557 | 538 | - | 559 | 574 | - |
| Stage 2 | - | - | - | - | - | - | 419 | 561 | - | 466 | 517 | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 1.5 | 0.4 | 196.8 | 19.7 |
| HCM LOS | | | F | C |

| Minor Lane/Major Mvmt | NBLn1 | EBL | EBT | EBR | WBL | WBT | WBR | SBLn1 |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 196 | 1151 | - | - | 1234 | - | - | 411 |
| HCM Lane V/C Ratio | 1.253 | 0.063 | - | - | 0.016 | - | - | 0.411 |
| HCM Control Delay (s) | 196.8 | 8.3 | 0 | - | 8 | 0 | - | 19.7 |
| HCM Lane LOS | F | A | A | - | A | A | - | C |
| HCM 95th %tile Q(veh) | 13.2 | 0.2 | - | - | 0 | - | - | 2 |

| Notes | | | |
|---|---|---|---|
| ~: Volume exceeds capacity | $: Delay exceeds 300s | +: Computation Not Defined | *: All major volume in platoon |

| Intersection | |
|---|---|
| Int Delay, s/veh | 1.6 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ↕ | | | ↕ | | | ↕ | | | ↕ | |
| Traffic Vol, veh/h | 1 | 2 | 0 | 37 | 1 | 5 | 2 | 207 | 32 | 11 | 102 | 4 |
| Future Vol, veh/h | 1 | 2 | 0 | 37 | 1 | 5 | 2 | 207 | 32 | 11 | 102 | 4 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 1 | 2 | 0 | 43 | 1 | 6 | 2 | 238 | 37 | 13 | 117 | 5 |

| Major/Minor | Minor2 | | | Minor1 | | | Major1 | | | Major2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 410 | 425 | 120 | 408 | 409 | 257 | 122 | 0 | 0 | 275 | 0 | 0 |
| Stage 1 | 146 | 146 | - | 261 | 261 | - | - | - | - | - | - | - |
| Stage 2 | 264 | 279 | - | 147 | 148 | - | - | - | - | - | - | - |
| Critical Hdwy | 7.12 | 6.52 | 6.22 | 7.12 | 6.52 | 6.22 | 4.12 | - | - | 4.12 | - | - |
| Critical Hdwy Stg 1 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Follow-up Hdwy | 3.518 | 4.018 | 3.318 | 3.518 | 4.018 | 3.318 | 2.218 | - | - | 2.218 | - | - |
| Pot Cap-1 Maneuver | 552 | 521 | 931 | 554 | 532 | 782 | 1465 | - | - | 1288 | - | - |
| Stage 1 | 857 | 776 | - | 744 | 692 | - | - | - | - | - | - | - |
| Stage 2 | 741 | 680 | - | 856 | 775 | - | - | - | - | - | - | - |
| Platoon blocked, % | | | | | | | | - | - | | - | - |
| Mov Cap-1 Maneuver | 542 | 514 | 931 | 547 | 525 | 782 | 1465 | - | - | 1288 | - | - |
| Mov Cap-2 Maneuver | 542 | 514 | - | 547 | 525 | - | - | - | - | - | - | - |
| Stage 1 | 855 | 767 | - | 743 | 691 | - | - | - | - | - | - | - |
| Stage 2 | 733 | 679 | - | 844 | 766 | - | - | - | - | - | - | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 11.9 | 12 | 0.1 | 0.7 |
| HCM LOS | B | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | NBR | EBLn1 | WBLn1 | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 1465 | - | - | 523 | 566 | 1288 | - | - |
| HCM Lane V/C Ratio | 0.002 | - | - | 0.007 | 0.087 | 0.01 | - | - |
| HCM Control Delay (s) | 7.5 | 0 | - | 11.9 | 12 | 7.8 | 0 | - |
| HCM Lane LOS | A | A | - | B | B | A | A | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 0 | 0.3 | 0 | - | - |

| Intersection | |
|---|---|
| Int Delay, s/veh | 1.4 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ↕ | | | ↕ | | | ↕ | | | ↕ | |
| Traffic Vol, veh/h | 36 | 1 | 2 | 1 | 1 | 0 | 7 | 204 | 1 | 0 | 76 | 59 |
| Future Vol, veh/h | 36 | 1 | 2 | 1 | 1 | 0 | 7 | 204 | 1 | 0 | 76 | 59 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 44 | 1 | 2 | 1 | 1 | 0 | 9 | 249 | 1 | 0 | 93 | 72 |

| Major/Minor | Minor2 | | | Minor1 | | | Major1 | | | Major2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 397 | 397 | 129 | 399 | 433 | 250 | 165 | 0 | 0 | 250 | 0 | 0 |
| Stage 1 | 129 | 129 | - | 268 | 268 | - | - | - | - | - | - | - |
| Stage 2 | 268 | 268 | - | 131 | 165 | - | - | - | - | - | - | - |
| Critical Hdwy | 7.12 | 6.52 | 6.22 | 7.12 | 6.52 | 6.22 | 4.12 | - | - | 4.12 | - | - |
| Critical Hdwy Stg 1 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Follow-up Hdwy | 3.518 | 4.018 | 3.318 | 3.518 | 4.018 | 3.318 | 2.218 | - | - | 2.218 | - | - |
| Pot Cap-1 Maneuver | 563 | 540 | 921 | 561 | 516 | 789 | 1413 | - | - | 1316 | - | - |
| Stage 1 | 875 | 789 | - | 738 | 687 | - | - | - | - | - | - | - |
| Stage 2 | 738 | 687 | - | 873 | 762 | - | - | - | - | - | - | - |
| Platoon blocked, % | | | | | | | | - | - | | - | - |
| Mov Cap-1 Maneuver | 559 | 536 | 921 | 555 | 512 | 789 | 1413 | - | - | 1316 | - | - |
| Mov Cap-2 Maneuver | 559 | 536 | - | 555 | 512 | - | - | - | - | - | - | - |
| Stage 1 | 869 | 789 | - | 733 | 682 | - | - | - | - | - | - | - |
| Stage 2 | 732 | 682 | - | 869 | 762 | - | - | - | - | - | - | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 11.9 | 11.8 | 0.2 | 0 |
| HCM LOS | B | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | NBR | EBLn1 | WBLn1 | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 1413 | - | - | 570 | 533 | 1316 | - | - |
| HCM Lane V/C Ratio | 0.006 | - | - | 0.083 | 0.005 | - | - | - |
| HCM Control Delay (s) | 7.6 | 0 | - | 11.9 | 11.8 | 0 | - | - |
| HCM Lane LOS | A | A | - | B | B | A | - | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 0.3 | 0 | 0 | - | - |

# *APPENDIX C-3: 2024 NO-BUILD AM PEAK HOUR*

| Intersection | |
|---|---|
| Int Delay, s/veh | 4.2 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ⇕ | | | ⇕ | | | ⇕ | | | ⇕ | |
| Traffic Vol, veh/h | 67 | 240 | 125 | 1 | 130 | 9 | 45 | 32 | 5 | 10 | 28 | 46 |
| Future Vol, veh/h | 67 | 240 | 125 | 1 | 130 | 9 | 45 | 32 | 5 | 10 | 28 | 46 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Free | Free | Stop | Stop | Stop | Stop | Stop | Stop |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| Heavy Vehicles, % | 2 | 8 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 71 | 253 | 132 | 1 | 137 | 9 | 47 | 34 | 5 | 11 | 29 | 48 |

| Major/Minor | Major1 | | | Major2 | | | Minor1 | | | Minor2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 146 | 0 | 0 | 385 | 0 | 0 | 643 | 609 | 319 | 625 | 671 | 142 |
| Stage 1 | - | - | - | - | - | - | 461 | 461 | - | 144 | 144 | - |
| Stage 2 | - | - | - | - | - | - | 182 | 148 | - | 481 | 527 | - |
| Critical Hdwy | 4.12 | - | - | 4.12 | - | - | 7.12 | 6.52 | 6.22 | 7.12 | 6.52 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | - | - | 6.12 | 5.52 | - | 6.12 | 5.52 | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - | 6.12 | 5.52 | - | 6.12 | 5.52 | - |
| Follow-up Hdwy | 2.218 | - | - | 2.218 | - | - | 3.518 | 4.018 | 3.318 | 3.518 | 4.018 | 3.318 |
| Pot Cap-1 Maneuver | 1436 | - | - | 1173 | - | - | 386 | 410 | 722 | 397 | 378 | 906 |
| Stage 1 | - | - | - | - | - | - | 581 | 565 | - | 859 | 778 | - |
| Stage 2 | - | - | - | - | - | - | 820 | 775 | - | 566 | 528 | - |
| Platoon blocked, % | | - | - | | - | - | | | | | | |
| Mov Cap-1 Maneuver | 1436 | - | - | 1173 | - | - | 325 | 383 | 722 | 350 | 353 | 906 |
| Mov Cap-2 Maneuver | - | - | - | - | - | - | 325 | 383 | - | 350 | 353 | - |
| Stage 1 | - | - | - | - | - | - | 544 | 529 | - | 804 | 777 | - |
| Stage 2 | - | - | - | - | - | - | 746 | 774 | - | 492 | 494 | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 1.2 | 0.1 | 18.2 | 13.2 |
| HCM LOS | | | C | B |

| Minor Lane/Major Mvmt | NBLn1 | EBL | EBT | EBR | WBL | WBT | WBR | SBLn1 |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 358 | 1436 | - | - | 1173 | - | - | 529 |
| HCM Lane V/C Ratio | 0.241 | 0.049 | - | - | 0.001 | - | - | 0.167 |
| HCM Control Delay (s) | 18.2 | 7.6 | 0 | - | 8.1 | 0 | - | 13.2 |
| HCM Lane LOS | C | A | A | - | A | A | - | B |
| HCM 95th %tile Q(veh) | 0.9 | 0.2 | - | - | 0 | - | - | 0.6 |

| Intersection | |
|---|---|
| Int Delay, s/veh | 1.1 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ↕ | | | ↕ | | | ↕ | | | ↕ | |
| Traffic Vol, veh/h | 1 | 2 | 3 | 13 | 0 | 6 | 1 | 66 | 24 | 6 | 154 | 1 |
| Future Vol, veh/h | 1 | 2 | 3 | 13 | 0 | 6 | 1 | 66 | 24 | 6 | 154 | 1 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 1 | 2 | 3 | 15 | 0 | 7 | 1 | 76 | 28 | 7 | 177 | 1 |

| Major/Minor | Minor2 | | | Minor1 | | | Major1 | | | Major2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 288 | 298 | 178 | 286 | 284 | 90 | 178 | 0 | 0 | 104 | 0 | 0 |
| Stage 1 | 192 | 192 | - | 92 | 92 | - | - | - | - | - | - | - |
| Stage 2 | 96 | 106 | - | 194 | 192 | - | - | - | - | - | - | - |
| Critical Hdwy | 7.12 | 6.52 | 6.22 | 7.12 | 6.52 | 6.22 | 4.12 | - | - | 4.12 | - | - |
| Critical Hdwy Stg 1 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Follow-up Hdwy | 3.518 | 4.018 | 3.318 | 3.518 | 4.018 | 3.318 | 2.218 | - | - | 2.218 | - | - |
| Pot Cap-1 Maneuver | 664 | 614 | 865 | 666 | 625 | 968 | 1398 | - | - | 1488 | - | - |
| Stage 1 | 810 | 742 | - | 915 | 819 | - | - | - | - | - | - | - |
| Stage 2 | 911 | 807 | - | 808 | 742 | - | - | - | - | - | - | - |
| Platoon blocked, % | | | | | | | | - | - | | - | - |
| Mov Cap-1 Maneuver | 656 | 610 | 865 | 659 | 621 | 968 | 1398 | - | - | 1488 | - | - |
| Mov Cap-2 Maneuver | 656 | 610 | - | 659 | 621 | - | - | - | - | - | - | - |
| Stage 1 | 809 | 738 | - | 914 | 818 | - | - | - | - | - | - | - |
| Stage 2 | 904 | 806 | - | 798 | 738 | - | - | - | - | - | - | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 10 | 10.1 | 0.1 | 0.3 |
| HCM LOS | B | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | NBR | EBLn1 | WBLn1 | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 1398 | - | - | 725 | 733 | 1488 | - | - |
| HCM Lane V/C Ratio | 0.001 | - | - | 0.01 | 0.03 | 0.005 | - | - |
| HCM Control Delay (s) | 7.6 | 0 | - | 10 | 10.1 | 7.4 | 0 | - |
| HCM Lane LOS | A | A | - | B | B | A | A | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 0 | 0.1 | 0 | - | - |

| Intersection | |
|---|---|
| Int Delay, s/veh | 1.8 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ⇕ | | | ⇕ | | | ⇕ | | | ⇕ | |
| Traffic Vol, veh/h | 33 | 0 | 10 | 0 | 0 | 1 | 2 | 56 | 0 | 0 | 157 | 11 |
| Future Vol, veh/h | 33 | 0 | 10 | 0 | 0 | 1 | 2 | 56 | 0 | 0 | 157 | 11 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 40 | 0 | 12 | 0 | 0 | 1 | 2 | 67 | 0 | 0 | 189 | 13 |

| Major/Minor | Minor2 | | | Minor1 | | | Major1 | | | Major2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 268 | 267 | 196 | 273 | 273 | 67 | 202 | 0 | 0 | 67 | 0 | 0 |
| Stage 1 | 196 | 196 | - | 71 | 71 | - | - | - | - | - | - | - |
| Stage 2 | 72 | 71 | - | 202 | 202 | - | - | - | - | - | - | - |
| Critical Hdwy | 7.12 | 6.52 | 6.22 | 7.12 | 6.52 | 6.22 | 4.12 | - | - | 4.12 | - | - |
| Critical Hdwy Stg 1 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Follow-up Hdwy | 3.518 | 4.018 | 3.318 | 3.518 | 4.018 | 3.318 | 2.218 | - | - | 2.218 | - | - |
| Pot Cap-1 Maneuver | 685 | 639 | 845 | 679 | 634 | 997 | 1370 | - | - | 1535 | - | - |
| Stage 1 | 806 | 739 | - | 939 | 836 | - | - | - | - | - | - | - |
| Stage 2 | 938 | 836 | - | 800 | 734 | - | - | - | - | - | - | - |
| Platoon blocked, % | | | | | | | | - | - | | - | - |
| Mov Cap-1 Maneuver | 683 | 638 | 845 | 668 | 633 | 997 | 1370 | - | - | 1535 | - | - |
| Mov Cap-2 Maneuver | 683 | 638 | - | 668 | 633 | - | - | - | - | - | - | - |
| Stage 1 | 804 | 739 | - | 937 | 834 | - | - | - | - | - | - | - |
| Stage 2 | 935 | 834 | - | 789 | 734 | - | - | - | - | - | - | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 10.4 | 8.6 | 0.3 | 0 |
| HCM LOS | B | A | | |

| Minor Lane/Major Mvmt | NBL | NBT | NBR | EBLn1 | WBLn1 | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 1370 | - | - | 715 | 997 | 1535 | - | - |
| HCM Lane V/C Ratio | 0.002 | - | - | 0.072 | 0.001 | - | - | - |
| HCM Control Delay (s) | 7.6 | 0 | - | 10.4 | 8.6 | 0 | - | - |
| HCM Lane LOS | A | A | - | B | A | A | - | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 0.2 | 0 | 0 | - | - |

# *APPENDIX C-4: 2024 NO-BUILD PM PEAK HOUR*

| Intersection | |
|---|---|
| Int Delay, s/veh | 51.4 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ⇕ | | | ⇕ | | | ⇕ | | | ⇕ | |
| Traffic Vol, veh/h | 67 | 228 | 73 | 19 | 337 | 41 | 159 | 49 | 19 | 17 | 34 | 105 |
| Future Vol, veh/h | 67 | 228 | 73 | 19 | 337 | 41 | 159 | 49 | 19 | 17 | 34 | 105 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Free | Free | Stop | Stop | Stop | Stop | Stop | Stop |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| Heavy Vehicles, % | 2 | 8 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 74 | 253 | 81 | 21 | 374 | 46 | 177 | 54 | 21 | 19 | 38 | 117 |

| Major/Minor | Major1 | | | Major2 | | | Minor1 | | | Minor2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 420 | 0 | 0 | 334 | 0 | 0 | 959 | 904 | 294 | 918 | 921 | 397 |
| Stage 1 | - | - | - | - | - | - | 442 | 442 | - | 439 | 439 | - |
| Stage 2 | - | - | - | - | - | - | 517 | 462 | - | 479 | 482 | - |
| Critical Hdwy | 4.12 | - | - | 4.12 | - | - | 7.12 | 6.52 | 6.22 | 7.12 | 6.52 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | - | - | 6.12 | 5.52 | - | 6.12 | 5.52 | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - | 6.12 | 5.52 | - | 6.12 | 5.52 | - |
| Follow-up Hdwy | 2.218 | - | - | 2.218 | - | - | 3.518 | 4.018 | 3.318 | 3.518 | 4.018 | 3.318 |
| Pot Cap-1 Maneuver | 1139 | - | - | 1225 | - | - | 237 | 277 | 745 | 252 | 270 | 652 |
| Stage 1 | - | - | - | - | - | - | 594 | 576 | - | 597 | 578 | - |
| Stage 2 | - | - | - | - | - | - | 541 | 565 | - | 568 | 553 | - |
| Platoon blocked, % | | - | - | | - | - | | | | | | |
| Mov Cap-1 Maneuver | 1139 | - | - | 1225 | - | - | ~ 158 | 249 | 745 | 188 | 242 | 652 |
| Mov Cap-2 Maneuver | - | - | - | - | - | - | ~ 158 | 249 | - | 188 | 242 | - |
| Stage 1 | - | - | - | - | - | - | 546 | 529 | - | 549 | 565 | - |
| Stage 2 | - | - | - | - | - | - | 405 | 552 | - | 455 | 508 | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 1.5 | 0.4 | 242.7 | 20.8 |
| HCM LOS | | | F | C |

| Minor Lane/Major Mvmt | NBLn1 | EBL | EBT | EBR | WBL | WBT | WBR | SBLn1 |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 185 | 1139 | - | - | 1225 | - | - | 398 |
| HCM Lane V/C Ratio | 1.363 | 0.065 | - | - | 0.017 | - | - | 0.436 |
| HCM Control Delay (s) | 242.7 | 8.4 | 0 | - | 8 | 0 | - | 20.8 |
| HCM Lane LOS | F | A | A | - | A | A | - | C |
| HCM 95th %tile Q(veh) | 14.8 | 0.2 | - | - | 0.1 | - | - | 2.1 |

| Notes | | | |
|---|---|---|---|
| ~: Volume exceeds capacity | $: Delay exceeds 300s | +: Computation Not Defined | *: All major volume in platoon |

| Intersection | |
|---|---|
| Int Delay, s/veh | 1.6 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ↕ | | | ↕ | | | ↕ | | | ↕ | |
| Traffic Vol, veh/h | 1 | 2 | 0 | 38 | 1 | 5 | 2 | 213 | 33 | 11 | 105 | 4 |
| Future Vol, veh/h | 1 | 2 | 0 | 38 | 1 | 5 | 2 | 213 | 33 | 11 | 105 | 4 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 1 | 2 | 0 | 44 | 1 | 6 | 2 | 245 | 38 | 13 | 121 | 5 |

| Major/Minor | Minor2 | | | Minor1 | | | Major1 | | | Major2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 422 | 437 | 124 | 419 | 420 | 264 | 126 | 0 | 0 | 283 | 0 | 0 |
| Stage 1 | 150 | 150 | - | 268 | 268 | - | - | - | - | - | - | - |
| Stage 2 | 272 | 287 | - | 151 | 152 | - | - | - | - | - | - | - |
| Critical Hdwy | 7.12 | 6.52 | 6.22 | 7.12 | 6.52 | 6.22 | 4.12 | - | - | 4.12 | - | - |
| Critical Hdwy Stg 1 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Follow-up Hdwy | 3.518 | 4.018 | 3.318 | 3.518 | 4.018 | 3.318 | 2.218 | - | - | 2.218 | - | - |
| Pot Cap-1 Maneuver | 542 | 513 | 927 | 544 | 525 | 775 | 1460 | - | - | 1279 | - | - |
| Stage 1 | 853 | 773 | - | 738 | 687 | - | - | - | - | - | - | - |
| Stage 2 | 734 | 674 | - | 851 | 772 | - | - | - | - | - | - | - |
| Platoon blocked, % | | | | | | | | - | - | | - | - |
| Mov Cap-1 Maneuver | 532 | 506 | 927 | 537 | 518 | 775 | 1460 | - | - | 1279 | - | - |
| Mov Cap-2 Maneuver | 532 | 506 | - | 537 | 518 | - | - | - | - | - | - | - |
| Stage 1 | 851 | 764 | - | 737 | 686 | - | - | - | - | - | - | - |
| Stage 2 | 726 | 673 | - | 839 | 764 | - | - | - | - | - | - | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 12.1 | 12.1 | 0.1 | 0.7 |
| HCM LOS | B | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | NBR | EBLn1 | WBLn1 | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 1460 | - | - | 514 | 556 | 1279 | - | - |
| HCM Lane V/C Ratio | 0.002 | - | - | 0.007 | 0.091 | 0.01 | - | - |
| HCM Control Delay (s) | 7.5 | 0 | - | 12.1 | 12.1 | 7.8 | 0 | - |
| HCM Lane LOS | A | A | - | B | B | A | A | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 0 | 0.3 | 0 | - | - |

| Intersection | |
|---|---|
| Int Delay, s/veh | 1.4 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ↕ | | | ↕ | | | ↕ | | | ↕ | |
| Traffic Vol, veh/h | 37 | 1 | 2 | 1 | 1 | 0 | 7 | 210 | 1 | 0 | 78 | 61 |
| Future Vol, veh/h | 37 | 1 | 2 | 1 | 1 | 0 | 7 | 210 | 1 | 0 | 78 | 61 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 45 | 1 | 2 | 1 | 1 | 0 | 9 | 256 | 1 | 0 | 95 | 74 |

| Major/Minor | Minor2 | | | Minor1 | | | Major1 | | | Major2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 407 | 407 | 132 | 409 | 444 | 257 | 169 | 0 | 0 | 257 | 0 | 0 |
| Stage 1 | 132 | 132 | - | 275 | 275 | - | - | - | - | - | - | - |
| Stage 2 | 275 | 275 | - | 134 | 169 | - | - | - | - | - | - | - |
| Critical Hdwy | 7.12 | 6.52 | 6.22 | 7.12 | 6.52 | 6.22 | 4.12 | - | - | 4.12 | - | - |
| Critical Hdwy Stg 1 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | 6.12 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Follow-up Hdwy | 3.518 | 4.018 | 3.318 | 3.518 | 4.018 | 3.318 | 2.218 | - | - | 2.218 | - | - |
| Pot Cap-1 Maneuver | 555 | 533 | 917 | 553 | 508 | 782 | 1409 | - | - | 1308 | - | - |
| Stage 1 | 871 | 787 | - | 731 | 683 | - | - | - | - | - | - | - |
| Stage 2 | 731 | 683 | - | 869 | 759 | - | - | - | - | - | - | - |
| Platoon blocked, % | | | | | | | | - | - | | - | - |
| Mov Cap-1 Maneuver | 551 | 529 | 917 | 547 | 504 | 782 | 1409 | - | - | 1308 | - | - |
| Mov Cap-2 Maneuver | 551 | 529 | - | 547 | 504 | - | - | - | - | - | - | - |
| Stage 1 | 865 | 787 | - | 726 | 678 | - | - | - | - | - | - | - |
| Stage 2 | 725 | 678 | - | 865 | 759 | - | - | - | - | - | - | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 12 | 11.9 | 0.2 | 0 |
| HCM LOS | B | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | NBR | EBLn1 | WBLn1 | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 1409 | - | - | 562 | 525 | 1308 | - | - |
| HCM Lane V/C Ratio | 0.006 | - | - | 0.087 | 0.005 | - | - | - |
| HCM Control Delay (s) | 7.6 | 0 | - | 12 | 11.9 | 0 | - | - |
| HCM Lane LOS | A | A | - | B | B | A | - | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 0.3 | 0 | 0 | - | - |

# *APPENDIX C-5: 2024 BUILD AM PEAK HOUR*

| Intersection | |
|---|---|
| Int Delay, s/veh | 7 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ⇕ | | | ⇕ | | | ⇕ | | | ⇕ | |
| Traffic Vol, veh/h | 67 | 240 | 174 | 36 | 130 | 9 | 61 | 41 | 16 | 10 | 56 | 46 |
| Future Vol, veh/h | 67 | 240 | 174 | 36 | 130 | 9 | 61 | 41 | 16 | 10 | 56 | 46 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Free | Free | Stop | Stop | Stop | Stop | Stop | Stop |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| Heavy Vehicles, % | 2 | 8 | 5 | 17 | 8 | 2 | 15 | 12 | 38 | 2 | 9 | 2 |
| Mvmt Flow | 71 | 253 | 183 | 38 | 137 | 9 | 64 | 43 | 17 | 11 | 59 | 48 |

| Major/Minor | Major1 | | | Major2 | | | Minor1 | | | Minor2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 146 | 0 | 0 | 436 | 0 | 0 | 758 | 709 | 345 | 735 | 796 | 142 |
| Stage 1 | - | - | - | - | - | - | 487 | 487 | - | 218 | 218 | - |
| Stage 2 | - | - | - | - | - | - | 271 | 222 | - | 517 | 578 | - |
| Critical Hdwy | 4.12 | - | - | 4.27 | - | - | 7.25 | 6.62 | 6.58 | 7.12 | 6.59 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | - | - | 6.25 | 5.62 | - | 6.12 | 5.59 | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - | 6.25 | 5.62 | - | 6.12 | 5.59 | - |
| Follow-up Hdwy | 2.218 | - | - | 2.353 | - | - | 3.635 | 4.108 | 3.642 | 3.518 | 4.081 | 3.318 |
| Pot Cap-1 Maneuver | 1436 | - | - | 1048 | - | - | 308 | 347 | 623 | 335 | 312 | 906 |
| Stage 1 | - | - | - | - | - | - | 538 | 534 | - | 784 | 710 | - |
| Stage 2 | - | - | - | - | - | - | 707 | 701 | - | 541 | 490 | - |
| Platoon blocked, % | | - | - | | - | - | | | | | | |
| Mov Cap-1 Maneuver | 1436 | - | - | 1048 | - | - | 225 | 311 | 623 | 269 | 280 | 906 |
| Mov Cap-2 Maneuver | - | - | - | - | - | - | 225 | 311 | - | 269 | 280 | - |
| Stage 1 | - | - | - | - | - | - | 502 | 498 | - | 731 | 682 | - |
| Stage 2 | - | - | - | - | - | - | 587 | 673 | - | 449 | 457 | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 1.1 | 1.8 | 28.4 | 18.2 |
| HCM LOS | | | D | C |

| Minor Lane/Major Mvmt | NBLn1 | EBL | EBT | EBR | WBL | WBT | WBR | SBLn1 |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 275 | 1436 | - | - | 1048 | - | - | 389 |
| HCM Lane V/C Ratio | 0.452 | 0.049 | - | - | 0.036 | - | - | 0.303 |
| HCM Control Delay (s) | 28.4 | 7.6 | 0 | - | 8.6 | 0 | - | 18.2 |
| HCM Lane LOS | D | A | A | - | A | A | - | C |
| HCM 95th %tile Q(veh) | 2.2 | 0.2 | - | - | 0.1 | - | - | 1.3 |

| Intersection | |
|---|---|
| Int Delay, s/veh | 1.2 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ↕ | | | ↕ | | | ↕ | | | ↕ | |
| Traffic Vol, veh/h | 1 | 2 | 3 | 26 | 0 | 6 | 1 | 102 | 28 | 6 | 265 | 1 |
| Future Vol, veh/h | 1 | 2 | 3 | 26 | 0 | 6 | 1 | 102 | 28 | 6 | 265 | 1 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 |
| Heavy Vehicles, % | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 20 | 7 | 2 | 8 | 2 |
| Mvmt Flow | 1 | 2 | 3 | 30 | 0 | 7 | 1 | 117 | 32 | 7 | 305 | 1 |

| Major/Minor | Minor2 | | | Minor1 | | | Major1 | | | Major2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 459 | 471 | 306 | 457 | 455 | 133 | 306 | 0 | 0 | 149 | 0 | 0 |
| Stage 1 | 320 | 320 | - | 135 | 135 | - | - | - | - | - | - | - |
| Stage 2 | 139 | 151 | - | 322 | 320 | - | - | - | - | - | - | - |
| Critical Hdwy | 7.12 | 6.52 | 6.22 | 7.18 | 6.52 | 6.22 | 4.12 | - | - | 4.12 | - | - |
| Critical Hdwy Stg 1 | 6.12 | 5.52 | - | 6.18 | 5.52 | - | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | 6.12 | 5.52 | - | 6.18 | 5.52 | - | - | - | - | - | - | - |
| Follow-up Hdwy | 3.518 | 4.018 | 3.318 | 3.572 | 4.018 | 3.318 | 2.218 | - | - | 2.218 | - | - |
| Pot Cap-1 Maneuver | 512 | 491 | 734 | 504 | 501 | 916 | 1255 | - | - | 1432 | - | - |
| Stage 1 | 692 | 652 | - | 854 | 785 | - | - | - | - | - | - | - |
| Stage 2 | 864 | 772 | - | 677 | 652 | - | - | - | - | - | - | - |
| Platoon blocked, % | | | | | | | | - | - | | - | - |
| Mov Cap-1 Maneuver | 505 | 488 | 734 | 497 | 497 | 916 | 1255 | - | - | 1432 | - | - |
| Mov Cap-2 Maneuver | 505 | 488 | - | 497 | 497 | - | - | - | - | - | - | - |
| Stage 1 | 691 | 648 | - | 853 | 784 | - | - | - | - | - | - | - |
| Stage 2 | 857 | 771 | - | 667 | 648 | - | - | - | - | - | - | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 11.2 | 12.1 | 0.1 | 0.2 |
| HCM LOS | B | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | NBR | EBLn1 | WBLn1 | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 1255 | - | - | 590 | 544 | 1432 | - | - |
| HCM Lane V/C Ratio | 0.001 | - | - | 0.012 | 0.068 | 0.005 | - | - |
| HCM Control Delay (s) | 7.9 | 0 | - | 11.2 | 12.1 | 7.5 | 0 | - |
| HCM Lane LOS | A | A | - | B | B | A | A | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 0 | 0.2 | 0 | - | - |

| Intersection | |
|---|---|
| Int Delay, s/veh | 2.8 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ⇕ | | | ⇕ | | | ⇕ | | | ⇕ | |
| Traffic Vol, veh/h | 73 | 0 | 14 | 0 | 0 | 1 | 15 | 56 | 0 | 0 | 157 | 136 |
| Future Vol, veh/h | 73 | 0 | 14 | 0 | 0 | 1 | 15 | 56 | 0 | 0 | 157 | 136 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 |
| Heavy Vehicles, % | 30 | 2 | 14 | 2 | 2 | 2 | 13 | 2 | 2 | 2 | 2 | 16 |
| Mvmt Flow | 88 | 0 | 17 | 0 | 0 | 1 | 18 | 67 | 0 | 0 | 189 | 164 |

| Major/Minor | Minor2 | | | Minor1 | | | Major1 | | | Major2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 375 | 374 | 271 | 383 | 456 | 67 | 353 | 0 | 0 | 67 | 0 | 0 |
| Stage 1 | 271 | 271 | - | 103 | 103 | - | - | - | - | - | - | - |
| Stage 2 | 104 | 103 | - | 280 | 353 | - | - | - | - | - | - | - |
| Critical Hdwy | 7.4 | 6.52 | 6.34 | 7.12 | 6.52 | 6.22 | 4.23 | - | - | 4.12 | - | - |
| Critical Hdwy Stg 1 | 6.4 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | 6.4 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Follow-up Hdwy | 3.77 | 4.018 | 3.426 | 3.518 | 4.018 | 3.318 | 2.317 | - | - | 2.218 | - | - |
| Pot Cap-1 Maneuver | 534 | 557 | 740 | 575 | 501 | 997 | 1147 | - | - | 1535 | - | - |
| Stage 1 | 677 | 685 | - | 903 | 810 | - | - | - | - | - | - | - |
| Stage 2 | 838 | 810 | - | 727 | 631 | - | - | - | - | - | - | - |
| Platoon blocked, % | | | | | | | | - | - | | - | - |
| Mov Cap-1 Maneuver | 527 | 548 | 740 | 555 | 493 | 997 | 1147 | - | - | 1535 | - | - |
| Mov Cap-2 Maneuver | 527 | 548 | - | 555 | 493 | - | - | - | - | - | - | - |
| Stage 1 | 666 | 685 | - | 889 | 797 | - | - | - | - | - | - | - |
| Stage 2 | 824 | 797 | - | 710 | 631 | - | - | - | - | - | - | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 13 | 8.6 | 1.7 | 0 |
| HCM LOS | B | A | | |

| Minor Lane/Major Mvmt | NBL | NBT | NBR | EBLn1 | WBLn1 | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 1147 | - | - | 553 | 997 | 1535 | - | - |
| HCM Lane V/C Ratio | 0.016 | - | - | 0.19 | 0.001 | - | - | - |
| HCM Control Delay (s) | 8.2 | 0 | - | 13 | 8.6 | 0 | - | - |
| HCM Lane LOS | A | A | - | B | A | A | - | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 0.7 | 0 | 0 | - | - |

# *APPENDIX C-6: 2024 BUILD PM PEAK HOUR*

| Intersection | |
|---|---|
| Int Delay, s/veh | 152.3 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ⇕ | | | ⇕ | | | ⇕ | | | ⇕ | |
| Traffic Vol, veh/h | 67 | 228 | 96 | 35 | 337 | 41 | 201 | 73 | 49 | 17 | 47 | 105 |
| Future Vol, veh/h | 67 | 228 | 96 | 35 | 337 | 41 | 201 | 73 | 49 | 17 | 47 | 105 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Free | Free | Stop | Stop | Stop | Stop | Stop | Stop |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| Heavy Vehicles, % | 2 | 8 | 10 | 17 | 8 | 2 | 5 | 7 | 12 | 2 | 11 | 2 |
| Mvmt Flow | 74 | 253 | 107 | 39 | 374 | 46 | 223 | 81 | 54 | 19 | 52 | 117 |

| Major/Minor | Major1 | | | Major2 | | | Minor1 | | | Minor2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 420 | 0 | 0 | 360 | 0 | 0 | 1015 | 953 | 307 | 997 | 983 | 397 |
| Stage 1 | - | - | - | - | - | - | 455 | 455 | - | 475 | 475 | - |
| Stage 2 | - | - | - | - | - | - | 560 | 498 | - | 522 | 508 | - |
| Critical Hdwy | 4.12 | - | - | 4.27 | - | - | 7.15 | 6.57 | 6.32 | 7.12 | 6.61 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | - | - | 6.15 | 5.57 | - | 6.12 | 5.61 | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - | 6.15 | 5.57 | - | 6.12 | 5.61 | - |
| Follow-up Hdwy | 2.218 | - | - | 2.353 | - | - | 3.545 | 4.063 | 3.408 | 3.518 | 4.099 | 3.318 |
| Pot Cap-1 Maneuver | 1139 | - | - | 1120 | - | - | ~ 214 | 254 | 710 | 223 | 240 | 652 |
| Stage 1 | - | - | - | - | - | - | 579 | 560 | - | 570 | 542 | - |
| Stage 2 | - | - | - | - | - | - | 508 | 536 | - | 538 | 524 | - |
| Platoon blocked, % | | - | - | | - | - | | | | | | |
| Mov Cap-1 Maneuver | 1139 | - | - | 1120 | - | - | ~ 129 | 223 | 710 | 134 | 210 | 652 |
| Mov Cap-2 Maneuver | - | - | - | - | - | - | ~ 129 | 223 | - | 134 | 210 | - |
| Stage 1 | - | - | - | - | - | - | 532 | 514 | - | 523 | 517 | - |
| Stage 2 | - | - | - | - | - | - | 358 | 511 | - | 384 | 481 | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 1.4 | 0.7 | $ 593.3 | 29.4 |
| HCM LOS | | | F | D |

| Minor Lane/Major Mvmt | NBLn1 | EBL | EBT | EBR | WBL | WBT | WBR | SBLn1 |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 165 | 1139 | - | - | 1120 | - | - | 330 |
| HCM Lane V/C Ratio | 2.175 | 0.065 | - | - | 0.035 | - | - | 0.569 |
| HCM Control Delay (s) | $ 593.3 | 8.4 | 0 | - | 8.3 | 0 | - | 29.4 |
| HCM Lane LOS | F | A | A | - | A | A | - | D |
| HCM 95th %tile Q(veh) | 28.9 | 0.2 | - | - | 0.1 | - | - | 3.3 |

| Notes | | | |
|---|---|---|---|
| ~: Volume exceeds capacity | $: Delay exceeds 300s | +: Computation Not Defined | *: All major volume in platoon |

| Intersection | |
|---|---|
| Int Delay, s/veh | 1.5 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ⇕ | | | ⇕ | | | ⇕ | | | ⇕ | |
| Traffic Vol, veh/h | 1 | 2 | 0 | 44 | 1 | 5 | 2 | 309 | 45 | 11 | 158 | 4 |
| Future Vol, veh/h | 1 | 2 | 0 | 44 | 1 | 5 | 2 | 309 | 45 | 11 | 158 | 4 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 |
| Heavy Vehicles, % | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 7 | 4 | 2 | 13 | 2 |
| Mvmt Flow | 1 | 2 | 0 | 51 | 1 | 6 | 2 | 355 | 52 | 13 | 182 | 5 |

| Major/Minor | Minor2 | | | Minor1 | | | Major1 | | | Major2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 600 | 622 | 185 | 597 | 598 | 381 | 187 | 0 | 0 | 407 | 0 | 0 |
| Stage 1 | 211 | 211 | - | 385 | 385 | - | - | - | - | - | - | - |
| Stage 2 | 389 | 411 | - | 212 | 213 | - | - | - | - | - | - | - |
| Critical Hdwy | 7.12 | 6.52 | 6.22 | 7.15 | 6.52 | 6.22 | 4.12 | - | - | 4.12 | - | - |
| Critical Hdwy Stg 1 | 6.12 | 5.52 | - | 6.15 | 5.52 | - | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | 6.12 | 5.52 | - | 6.15 | 5.52 | - | - | - | - | - | - | - |
| Follow-up Hdwy | 3.518 | 4.018 | 3.318 | 3.545 | 4.018 | 3.318 | 2.218 | - | - | 2.218 | - | - |
| Pot Cap-1 Maneuver | 413 | 403 | 857 | 410 | 416 | 666 | 1387 | - | - | 1152 | - | - |
| Stage 1 | 791 | 728 | - | 632 | 611 | - | - | - | - | - | - | - |
| Stage 2 | 635 | 595 | - | 783 | 726 | - | - | - | - | - | - | - |
| Platoon blocked, % | | | | | | | | - | - | | - | - |
| Mov Cap-1 Maneuver | 404 | 397 | 857 | 403 | 410 | 666 | 1387 | - | - | 1152 | - | - |
| Mov Cap-2 Maneuver | 404 | 397 | - | 403 | 410 | - | - | - | - | - | - | - |
| Stage 1 | 789 | 719 | - | 631 | 610 | - | - | - | - | - | - | - |
| Stage 2 | 627 | 594 | - | 770 | 717 | - | - | - | - | - | - | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 14.1 | 14.9 | 0 | 0.5 |
| HCM LOS | B | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | NBR | EBLn1 | WBLn1 | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 1387 | - | - | 399 | 420 | 1152 | - | - |
| HCM Lane V/C Ratio | 0.002 | - | - | 0.009 | 0.137 | 0.011 | - | - |
| HCM Control Delay (s) | 7.6 | 0 | - | 14.1 | 14.9 | 8.2 | 0 | - |
| HCM Lane LOS | A | A | - | B | B | A | A | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 0 | 0.5 | 0 | - | - |

| Intersection | |
|---|---|
| Int Delay, s/veh | 4.8 |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | ⇕ | | | ⇕ | | | ⇕ | | | ⇕ | |
| Traffic Vol, veh/h | 145 | 1 | 14 | 1 | 1 | 0 | 13 | 210 | 1 | 0 | 78 | 120 |
| Future Vol, veh/h | 145 | 1 | 14 | 1 | 1 | 0 | 13 | 210 | 1 | 0 | 78 | 120 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |
| Storage Length | - | - | - | - | - | - | - | - | - | - | - | - |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |
| Peak Hour Factor | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 |
| Heavy Vehicles, % | 15 | 2 | 14 | 2 | 2 | 2 | 15 | 2 | 2 | 2 | 2 | 18 |
| Mvmt Flow | 177 | 1 | 17 | 1 | 1 | 0 | 16 | 256 | 1 | 0 | 95 | 146 |

| Major/Minor | Minor2 | | | Minor1 | | | Major1 | | | Major2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conflicting Flow All | 457 | 457 | 168 | 466 | 530 | 257 | 241 | 0 | 0 | 257 | 0 | 0 |
| Stage 1 | 168 | 168 | - | 289 | 289 | - | - | - | - | - | - | - |
| Stage 2 | 289 | 289 | - | 177 | 241 | - | - | - | - | - | - | - |
| Critical Hdwy | 7.25 | 6.52 | 6.34 | 7.12 | 6.52 | 6.22 | 4.25 | - | - | 4.12 | - | - |
| Critical Hdwy Stg 1 | 6.25 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | 6.25 | 5.52 | - | 6.12 | 5.52 | - | - | - | - | - | - | - |
| Follow-up Hdwy | 3.635 | 4.018 | 3.426 | 3.518 | 4.018 | 3.318 | 2.335 | - | - | 2.218 | - | - |
| Pot Cap-1 Maneuver | 493 | 500 | 846 | 507 | 455 | 782 | 1253 | - | - | 1308 | - | - |
| Stage 1 | 804 | 759 | - | 719 | 673 | - | - | - | - | - | - | - |
| Stage 2 | 691 | 673 | - | 825 | 706 | - | - | - | - | - | - | - |
| Platoon blocked, % | | | | | | | | - | - | | - | - |
| Mov Cap-1 Maneuver | 487 | 493 | 846 | 490 | 448 | 782 | 1253 | - | - | 1308 | - | - |
| Mov Cap-2 Maneuver | 487 | 493 | - | 490 | 448 | - | - | - | - | - | - | - |
| Stage 1 | 792 | 759 | - | 708 | 663 | - | - | - | - | - | - | - |
| Stage 2 | 679 | 663 | - | 807 | 706 | - | - | - | - | - | - | - |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| HCM Control Delay, s | 16.5 | 12.7 | 0.5 | 0 |
| HCM LOS | C | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | NBR | EBLn1 | WBLn1 | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|
| Capacity (veh/h) | 1253 | - | - | 506 | 468 | 1308 | - | - |
| HCM Lane V/C Ratio | 0.013 | - | - | 0.386 | 0.005 | - | - | - |
| HCM Control Delay (s) | 7.9 | 0 | - | 16.5 | 12.7 | 0 | - | - |
| HCM Lane LOS | A | A | - | C | B | A | - | - |
| HCM 95th %tile Q(veh) | 0 | - | - | 1.8 | 0 | 0 | - | - |

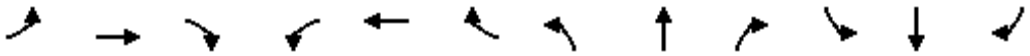
# *APPENDIX C-7: 2024 BUILD IMPROVED AM PEAK HOUR*

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (veh/h) | 67 | 240 | 174 | 36 | 130 | 9 | 61 | 41 | 16 | 10 | 56 | 46 |
| Future Volume (veh/h) | 67 | 240 | 174 | 36 | 130 | 9 | 61 | 41 | 16 | 10 | 56 | 46 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | | No | | | No | | | No | | | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1781 | 1826 | 1648 | 1781 | 1870 | 1678 | 1722 | 1337 | 1870 | 1767 | 1870 |
| Adj Flow Rate, veh/h | 71 | 253 | 183 | 38 | 137 | 9 | 64 | 43 | 17 | 11 | 59 | 48 |
| Peak Hour Factor | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Percent Heavy Veh, % | 2 | 8 | 5 | 17 | 8 | 2 | 15 | 12 | 38 | 2 | 9 | 2 |
| Cap, veh/h | 842 | 621 | 449 | 516 | 1068 | 70 | 83 | 56 | 22 | 14 | 73 | 60 |
| Arrive On Green | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 |
| Sat Flow, veh/h | 1242 | 961 | 695 | 839 | 1653 | 109 | 846 | 569 | 225 | 153 | 819 | 667 |
| Grp Volume(v), veh/h | 71 | 0 | 436 | 38 | 0 | 146 | 124 | 0 | 0 | 118 | 0 | 0 |
| Grp Sat Flow(s),veh/h/ln | 1242 | 0 | 1656 | 839 | 0 | 1762 | 1639 | 0 | 0 | 1639 | 0 | 0 |
| Q Serve(g_s), s | 2.1 | 0.0 | 11.4 | 2.1 | 0.0 | 2.9 | 6.6 | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 |
| Cycle Q Clear(g_c), s | 5.0 | 0.0 | 11.4 | 13.4 | 0.0 | 2.9 | 6.6 | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 |
| Prop In Lane | 1.00 | | 0.42 | 1.00 | | 0.06 | 0.52 | | 0.14 | 0.09 | | 0.41 |
| Lane Grp Cap(c), veh/h | 842 | 0 | 1070 | 516 | 0 | 1138 | 160 | 0 | 0 | 147 | 0 | 0 |
| V/C Ratio(X) | 0.08 | 0.00 | 0.41 | 0.07 | 0.00 | 0.13 | 0.77 | 0.00 | 0.00 | 0.80 | 0.00 | 0.00 |
| Avail Cap(c_a), veh/h | 842 | 0 | 1070 | 516 | 0 | 1138 | 492 | 0 | 0 | 219 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay (d), s/veh | 7.1 | 0.0 | 7.7 | 10.9 | 0.0 | 6.2 | 39.6 | 0.0 | 0.0 | 40.2 | 0.0 | 0.0 |
| Incr Delay (d2), s/veh | 0.2 | 0.0 | 1.2 | 0.3 | 0.0 | 0.2 | 7.7 | 0.0 | 0.0 | 12.2 | 0.0 | 0.0 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 0.5 | 0.0 | 3.5 | 0.4 | 0.0 | 0.9 | 3.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 |
| Unsig. Movement Delay, s/veh | | | | | | | | | | | | |
| LnGrp Delay(d),s/veh | 7.3 | 0.0 | 8.8 | 11.2 | 0.0 | 6.4 | 47.4 | 0.0 | 0.0 | 52.4 | 0.0 | 0.0 |
| LnGrp LOS | A | A | A | B | A | A | D | A | A | D | A | A |
| Approach Vol, veh/h | | 507 | | | 184 | | | 124 | | | 118 | |
| Approach Delay, s/veh | | 8.6 | | | 7.4 | | | 47.4 | | | 52.4 | |
| Approach LOS | | A | | | A | | | D | | | D | |

| Timer - Assigned Phs | | 2 | | 4 | | 6 | | 8 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 63.1 | | 13.8 | | 63.1 | | 13.1 | | | | |
| Change Period (Y+Rc), s | | 5.0 | | 5.0 | | 5.0 | | 5.0 | | | | |
| Max Green Setting (Gmax), s | | 36.0 | | 27.0 | | 36.0 | | 12.0 | | | | |
| Max Q Clear Time (g_c+I1), s | | 13.4 | | 8.6 | | 15.4 | | 8.4 | | | | |
| Green Ext Time (p_c), s | | 2.8 | | 0.6 | | 0.9 | | 0.2 | | | | |

| Intersection Summary | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HCM 6th Ctrl Delay | | | 19.0 | | | | | | | | | |
| HCM 6th LOS | | | B | | | | | | | | | |

# *APPENDIX C-8: 2024 BUILD IMPROVED PM PEAK HOUR*



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (veh/h) | 67 | 228 | 96 | 35 | 337 | 41 | 201 | 73 | 49 | 17 | 47 | 105 |
| Future Volume (veh/h) | 67 | 228 | 96 | 35 | 337 | 41 | 201 | 73 | 49 | 17 | 47 | 105 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | | No | | | No | | | No | | | No | |
| Adj Sat Flow, veh/h/ln | 1870 | 1781 | 1752 | 1648 | 1781 | 1870 | 1826 | 1796 | 1722 | 1870 | 1737 | 1870 |
| Adj Flow Rate, veh/h | 74 | 253 | 107 | 39 | 374 | 46 | 223 | 81 | 54 | 19 | 52 | 117 |
| Peak Hour Factor | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| Percent Heavy Veh, % | 2 | 8 | 10 | 17 | 8 | 2 | 5 | 7 | 12 | 2 | 11 | 2 |
| Cap, veh/h | 354 | 541 | 229 | 357 | 709 | 87 | 248 | 90 | 60 | 22 | 62 | 138 |
| Arrive On Green | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.23 | 0.23 | 0.23 | 0.14 | 0.14 | 0.14 |
| Sat Flow, veh/h | 967 | 1188 | 503 | 900 | 1556 | 191 | 1057 | 384 | 256 | 157 | 430 | 968 |
| Grp Volume(v), veh/h | 74 | 0 | 360 | 39 | 0 | 420 | 358 | 0 | 0 | 188 | 0 | 0 |
| Grp Sat Flow(s),veh/h/ln | 967 | 0 | 1691 | 900 | 0 | 1747 | 1697 | 0 | 0 | 1555 | 0 | 0 |
| Q Serve(g_s), s | 5.3 | 0.0 | 13.3 | 2.8 | 0.0 | 15.5 | 18.4 | 0.0 | 0.0 | 10.6 | 0.0 | 0.0 |
| Cycle Q Clear(g_c), s | 20.9 | 0.0 | 13.3 | 16.1 | 0.0 | 15.5 | 18.4 | 0.0 | 0.0 | 10.6 | 0.0 | 0.0 |
| Prop In Lane | 1.00 | | 0.30 | 1.00 | | 0.11 | 0.62 | | 0.15 | 0.10 | | 0.62 |
| Lane Grp Cap(c), veh/h | 354 | 0 | 770 | 357 | 0 | 796 | 399 | 0 | 0 | 222 | 0 | 0 |
| V/C Ratio(X) | 0.21 | 0.00 | 0.47 | 0.11 | 0.00 | 0.53 | 0.90 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 |
| Avail Cap(c_a), veh/h | 354 | 0 | 770 | 357 | 0 | 796 | 453 | 0 | 0 | 294 | 0 | 0 |
| HCM Platoon Ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(I) | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| Uniform Delay (d), s/veh | 25.0 | 0.0 | 17.0 | 22.5 | 0.0 | 17.6 | 33.4 | 0.0 | 0.0 | 37.6 | 0.0 | 0.0 |
| Incr Delay (d2), s/veh | 1.3 | 0.0 | 2.0 | 0.6 | 0.0 | 2.5 | 18.9 | 0.0 | 0.0 | 15.7 | 0.0 | 0.0 |
| Initial Q Delay(d3),s/veh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| %ile BackOfQ(50%),veh/ln | 1.3 | 0.0 | 5.0 | 0.6 | 0.0 | 6.1 | 9.5 | 0.0 | 0.0 | 4.9 | 0.0 | 0.0 |
| Unsig. Movement Delay, s/veh | | | | | | | | | | | | |
| LnGrp Delay(d),s/veh | 26.4 | 0.0 | 19.0 | 23.1 | 0.0 | 20.1 | 52.3 | 0.0 | 0.0 | 53.3 | 0.0 | 0.0 |
| LnGrp LOS | C | A | B | C | A | C | D | A | A | D | A | A |
| Approach Vol, veh/h | | 434 | | | 459 | | | 358 | | | 188 | |
| Approach Delay, s/veh | | 20.2 | | | 20.3 | | | 52.3 | | | 53.3 | |
| Approach LOS | | C | | | C | | | D | | | D | |

| Timer - Assigned Phs | | 2 | | 4 | | 6 | | 8 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Phs Duration (G+Y+Rc), s | | 46.0 | | 26.1 | | 46.0 | | 17.9 | | | | |
| Change Period (Y+Rc), s | | 5.0 | | 5.0 | | 5.0 | | 5.0 | | | | |
| Max Green Setting (Gmax), s | | 34.0 | | 24.0 | | 34.0 | | 17.0 | | | | |
| Max Q Clear Time (g_c+I1), s | | 22.9 | | 20.4 | | 18.1 | | 12.6 | | | | |
| Green Ext Time (p_c), s | | 1.8 | | 0.7 | | 2.3 | | 0.4 | | | | |

| Intersection Summary | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HCM 6th Ctrl Delay | | | 32.6 | | | | | | | | | |
| HCM 6th LOS | | | C | | | | | | | | | |

# *APPENDIX D: SIMTRAFFIC OUTPUTS*

# *APPENDIX D-1: 2022 EXISTING AM PEAK HOUR*

## Intersection: 1: CR 1 & WV 51

| Movement | EB | WB | NB | SB |
|---|---|---|---|---|
| Directions Served | LTR | LTR | LTR | LTR |
| Maximum Queue (ft) | 29 | 8 | 80 | 77 |
| Average Queue (ft) | 3 | 0 | 33 | 32 |
| 95th Queue (ft) | 15 | 5 | 63 | 60 |
| Link Distance (ft) | 2061 | 2289 | 2161 | 1995 |
| Upstream Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |
| Storage Bay Dist (ft) | | | | |
| Storage Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |

## Intersection: 2: CR 1 & Charles St/CR 1/7

| Movement | EB | WB | NB |
|---|---|---|---|
| Directions Served | LTR | LTR | LTR |
| Maximum Queue (ft) | 29 | 31 | 6 |
| Average Queue (ft) | 4 | 12 | 0 |
| 95th Queue (ft) | 21 | 37 | 4 |
| Link Distance (ft) | 383 | 2155 | 739 |
| Upstream Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |
| Storage Bay Dist (ft) | | | |
| Storage Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |

## Intersection: 3: CR 1 & Grace St

| Movement | EB | WB |
|---|---|---|
| Directions Served | LTR | LTR |
| Maximum Queue (ft) | 56 | 18 |
| Average Queue (ft) | 23 | 1 |
| 95th Queue (ft) | 45 | 10 |
| Link Distance (ft) | 2361 | 387 |
| Upstream Blk Time (%) | | |
| Queuing Penalty (veh) | | |
| Storage Bay Dist (ft) | | |
| Storage Blk Time (%) | | |
| Queuing Penalty (veh) | | |

## Network Summary

Network wide Queuing Penalty: 0

# *APPENDIX D-2: 2022 EXISTING PM PEAK HOUR*

## Intersection: 1: CR 1 & WV 51

| Movement | EB | WB | NB | SB |
|---|---|---|---|---|
| Directions Served | LTR | LTR | LTR | LTR |
| Maximum Queue (ft) | 65 | 43 | 255 | 138 |
| Average Queue (ft) | 12 | 4 | 106 | 60 |
| 95th Queue (ft) | 40 | 24 | 216 | 112 |
| Link Distance (ft) | 2061 | 2289 | 2161 | 1995 |
| Upstream Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |
| Storage Bay Dist (ft) | | | | |
| Storage Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |

## Intersection: 2: CR 1 & Charles St/CR 1/7

| Movement | EB | WB | SB |
|---|---|---|---|
| Directions Served | LTR | LTR | LTR |
| Maximum Queue (ft) | 29 | 54 | 40 |
| Average Queue (ft) | 4 | 24 | 3 |
| 95th Queue (ft) | 20 | 49 | 20 |
| Link Distance (ft) | 383 | 2155 | 2161 |
| Upstream Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |
| Storage Bay Dist (ft) | | | |
| Storage Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |

## Intersection: 3: CR 1 & Grace St

| Movement | EB | WB | NB |
|---|---|---|---|
| Directions Served | LTR | LTR | LTR |
| Maximum Queue (ft) | 46 | 24 | 34 |
| Average Queue (ft) | 20 | 2 | 2 |
| 95th Queue (ft) | 44 | 13 | 15 |
| Link Distance (ft) | 2361 | 387 | 2490 |
| Upstream Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |
| Storage Bay Dist (ft) | | | |
| Storage Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |

## Network Summary

Network wide Queuing Penalty: 0

# *APPENDIX D-3: 2024 NO-BUILD AM PEAK HOUR*

## Intersection: 1: CR 1 & WV 51

| Movement | EB | WB | NB | SB |
|---|---|---|---|---|
| Directions Served | LTR | LTR | LTR | LTR |
| Maximum Queue (ft) | 34 | 3 | 75 | 77 |
| Average Queue (ft) | 3 | 0 | 34 | 31 |
| 95th Queue (ft) | 21 | 2 | 63 | 58 |
| Link Distance (ft) | 2061 | 2289 | 2161 | 1995 |
| Upstream Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |
| Storage Bay Dist (ft) | | | | |
| Storage Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |

## Intersection: 2: CR 1 & Charles St/CR 1/7

| Movement | EB | WB | SB |
|---|---|---|---|
| Directions Served | LTR | LTR | LTR |
| Maximum Queue (ft) | 29 | 31 | 11 |
| Average Queue (ft) | 5 | 13 | 0 |
| 95th Queue (ft) | 23 | 37 | 8 |
| Link Distance (ft) | 383 | 2155 | 2161 |
| Upstream Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |
| Storage Bay Dist (ft) | | | |
| Storage Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |

## Intersection: 3: CR 1 & Grace St

| Movement | EB | WB |
|---|---|---|
| Directions Served | LTR | LTR |
| Maximum Queue (ft) | 56 | 31 |
| Average Queue (ft) | 23 | 1 |
| 95th Queue (ft) | 46 | 11 |
| Link Distance (ft) | 2361 | 387 |
| Upstream Blk Time (%) | | |
| Queuing Penalty (veh) | | |
| Storage Bay Dist (ft) | | |
| Storage Blk Time (%) | | |
| Queuing Penalty (veh) | | |

## Network Summary

Network wide Queuing Penalty: 0

# *APPENDIX D-4: 2024 NO-BUILD PM PEAK HOUR*

## Intersection: 1: CR 1 & WV 51

| Movement | EB | WB | NB | SB |
|---|---|---|---|---|
| Directions Served | LTR | LTR | LTR | LTR |
| Maximum Queue (ft) | 57 | 32 | 295 | 167 |
| Average Queue (ft) | 13 | 3 | 125 | 65 |
| 95th Queue (ft) | 43 | 18 | 242 | 128 |
| Link Distance (ft) | 2061 | 2289 | 2161 | 1995 |
| Upstream Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |
| Storage Bay Dist (ft) | | | | |
| Storage Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |

## Intersection: 2: CR 1 & Charles St/CR 1/7

| Movement | EB | WB | SB |
|---|---|---|---|
| Directions Served | LTR | LTR | LTR |
| Maximum Queue (ft) | 29 | 53 | 29 |
| Average Queue (ft) | 4 | 24 | 2 |
| 95th Queue (ft) | 19 | 50 | 14 |
| Link Distance (ft) | 383 | 2155 | 2161 |
| Upstream Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |
| Storage Bay Dist (ft) | | | |
| Storage Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |

## Intersection: 3: CR 1 & Grace St

| Movement | EB | WB | NB |
|---|---|---|---|
| Directions Served | LTR | LTR | LTR |
| Maximum Queue (ft) | 47 | 30 | 23 |
| Average Queue (ft) | 22 | 1 | 2 |
| 95th Queue (ft) | 47 | 12 | 15 |
| Link Distance (ft) | 2361 | 387 | 2490 |
| Upstream Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |
| Storage Bay Dist (ft) | | | |
| Storage Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |

## Network Summary

Network wide Queuing Penalty: 0

# *APPENDIX D-5: 2024 BUILD AM PEAK HOUR*

## Intersection: 1: CR 1 & WV 51

| Movement | EB | WB | NB | SB |
|---|---|---|---|---|
| Directions Served | LTR | LTR | LTR | LTR |
| Maximum Queue (ft) | 64 | 74 | 171 | 149 |
| Average Queue (ft) | 9 | 11 | 57 | 48 |
| 95th Queue (ft) | 37 | 43 | 119 | 99 |
| Link Distance (ft) | 2061 | 2289 | 2161 | 1995 |
| Upstream Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |
| Storage Bay Dist (ft) | | | | |
| Storage Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |

## Intersection: 2: CR 1 & Charles St/CR 1/7

| Movement | EB | WB | NB | SB |
|---|---|---|---|---|
| Directions Served | LTR | LTR | LTR | LTR |
| Maximum Queue (ft) | 29 | 67 | 10 | 22 |
| Average Queue (ft) | 4 | 22 | 0 | 1 |
| 95th Queue (ft) | 21 | 52 | 7 | 11 |
| Link Distance (ft) | 383 | 2155 | 739 | 2161 |
| Upstream Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |
| Storage Bay Dist (ft) | | | | |
| Storage Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |

## Intersection: 3: CR 1 & Grace St

| Movement | EB | WB | NB |
|---|---|---|---|
| Directions Served | LTR | LTR | LTR |
| Maximum Queue (ft) | 107 | 24 | 40 |
| Average Queue (ft) | 47 | 1 | 5 |
| 95th Queue (ft) | 87 | 12 | 26 |
| Link Distance (ft) | 2361 | 387 | 2490 |
| Upstream Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |
| Storage Bay Dist (ft) | | | |
| Storage Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |

## Network Summary

Network wide Queuing Penalty: 0

# *APPENDIX D-6: 2024 BUILD PM PEAK HOUR*

## Intersection: 1: CR 1 & WV 51

| Movement | EB | WB | NB | SB |
|---|---|---|---|---|
| Directions Served | LTR | LTR | LTR | LTR |
| Maximum Queue (ft) | 89 | 76 | 1565 | 260 |
| Average Queue (ft) | 17 | 10 | 987 | 99 |
| 95th Queue (ft) | 55 | 42 | 1958 | 231 |
| Link Distance (ft) | 2061 | 2289 | 2161 | 1995 |
| Upstream Blk Time (%) | | | 5 | |
| Queuing Penalty (veh) | | | 15 | |
| Storage Bay Dist (ft) | | | | |
| Storage Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |

## Intersection: 2: CR 1 & Charles St/CR 1/7

| Movement | EB | WB | NB | SB |
|---|---|---|---|---|
| Directions Served | LTR | LTR | LTR | LTR |
| Maximum Queue (ft) | 33 | 57 | 157 | 36 |
| Average Queue (ft) | 4 | 27 | 38 | 6 |
| 95th Queue (ft) | 20 | 53 | 284 | 26 |
| Link Distance (ft) | 383 | 2155 | 739 | 2161 |
| Upstream Blk Time (%) | | | 2 | |
| Queuing Penalty (veh) | | | 6 | |
| Storage Bay Dist (ft) | | | | |
| Storage Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |

## Intersection: 3: CR 1 & Grace St

| Movement | EB | WB | NB |
|---|---|---|---|
| Directions Served | LTR | LTR | LTR |
| Maximum Queue (ft) | 202 | 25 | 110 |
| Average Queue (ft) | 65 | 2 | 10 |
| 95th Queue (ft) | 159 | 13 | 73 |
| Link Distance (ft) | 2361 | 387 | 2490 |
| Upstream Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |
| Storage Bay Dist (ft) | | | |
| Storage Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |

## Network Summary

Network wide Queuing Penalty: 22

# *APPENDIX D-7: 2024 BUILD IMPROVED AM PEAK HOUR*

## Intersection: 1: CR 1 & WV 51

| Movement | EB | EB | WB | WB | NB | SB |
|---|---|---|---|---|---|---|
| Directions Served | L | TR | L | TR | LTR | LTR |
| Maximum Queue (ft) | 82 | 223 | 106 | 90 | 200 | 163 |
| Average Queue (ft) | 16 | 62 | 15 | 15 | 79 | 70 |
| 95th Queue (ft) | 52 | 160 | 57 | 55 | 151 | 136 |
| Link Distance (ft) | | 2059 | | 2287 | 2153 | 1988 |
| Upstream Blk Time (%) | | | | | | |
| Queuing Penalty (veh) | | | | | | |
| Storage Bay Dist (ft) | 150 | | 150 | | | |
| Storage Blk Time (%) | | 1 | 0 | | | |
| Queuing Penalty (veh) | | 1 | 0 | | | |

## Intersection: 2: CR 1 & Charles St/CR 1/7

| Movement | EB | WB | NB | SB |
|---|---|---|---|---|
| Directions Served | LTR | LTR | LTR | LTR |
| Maximum Queue (ft) | 29 | 67 | 16 | 34 |
| Average Queue (ft) | 4 | 22 | 1 | 2 |
| 95th Queue (ft) | 21 | 52 | 9 | 15 |
| Link Distance (ft) | 383 | 2155 | 739 | 2153 |
| Upstream Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |
| Storage Bay Dist (ft) | | | | |
| Storage Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |

## Intersection: 3: CR 1 & Grace St

| Movement | EB | WB | NB |
|---|---|---|---|
| Directions Served | LTR | LTR | LTR |
| Maximum Queue (ft) | 107 | 24 | 49 |
| Average Queue (ft) | 48 | 1 | 5 |
| 95th Queue (ft) | 87 | 12 | 26 |
| Link Distance (ft) | 2361 | 387 | 2490 |
| Upstream Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |
| Storage Bay Dist (ft) | | | |
| Storage Blk Time (%) | | | |
| Queuing Penalty (veh) | | | |

## Network Summary

Network wide Queuing Penalty: 1

# *APPENDIX D-8: 2024 BUILD IMPROVED PM PEAK HOUR*

## Intersection: 1: CR 1 & WV 51

| Movement | EB | EB | WB | WB | NB | SB |
|---|---|---|---|---|---|---|
| Directions Served | L | TR | L | TR | LTR | LTR |
| Maximum Queue (ft) | 139 | 234 | 102 | 258 | 358 | 192 |
| Average Queue (ft) | 28 | 80 | 18 | 89 | 180 | 85 |
| 95th Queue (ft) | 80 | 174 | 62 | 204 | 295 | 156 |
| Link Distance (ft) | | 2059 | | 2287 | 2153 | 1988 |
| Upstream Blk Time (%) | | | | | | |
| Queuing Penalty (veh) | | | | | | |
| Storage Bay Dist (ft) | 150 | | 150 | | | |
| Storage Blk Time (%) | | 2 | | 2 | | |
| Queuing Penalty (veh) | | 1 | | 1 | | |

## Intersection: 2: CR 1 & Charles St/CR 1/7

| Movement | EB | WB | NB | SB |
|---|---|---|---|---|
| Directions Served | LTR | LTR | LTR | LTR |
| Maximum Queue (ft) | 33 | 56 | 10 | 57 |
| Average Queue (ft) | 3 | 27 | 0 | 4 |
| 95th Queue (ft) | 20 | 52 | 7 | 26 |
| Link Distance (ft) | 383 | 2155 | 739 | 2153 |
| Upstream Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |
| Storage Bay Dist (ft) | | | | |
| Storage Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |

## Intersection: 3: CR 1 & Grace St

| Movement | EB | WB | NB | SB |
|---|---|---|---|---|
| Directions Served | LTR | LTR | LTR | LTR |
| Maximum Queue (ft) | 133 | 25 | 40 | 12 |
| Average Queue (ft) | 59 | 2 | 3 | 0 |
| 95th Queue (ft) | 101 | 13 | 20 | 6 |
| Link Distance (ft) | 2361 | 387 | 2490 | 739 |
| Upstream Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |
| Storage Bay Dist (ft) | | | | |
| Storage Blk Time (%) | | | | |
| Queuing Penalty (veh) | | | | |

## Network Summary

Network wide Queuing Penalty: 2

# *APPENDIX E: SIGNAL WARRANT ANALYSIS*

# *APPENDIX E-1: WARRANT 1 EIGHT-HOUR VEHICULAR VOLUME*

# *WARRANT 1 -- EIGHT-HOUR VEHICULAR VOLUME*

## *2022 Existing Year*

| | |
|---|---|
| Major Street | **WV 51** |
| Minor Street | **CR 1** |
| Jurisdiction | **Middleway** |
| 85% Speed > 40 mph | **YES** |
| Population < 10K | **YES** |
| # of Lanes on Major Street | **1** |
| # of Lanes on Minor Street | **1** |
| Minor St. Right Turns Discounted | **YES** |
| Have five (5) correctable crashes occurred in 1 year? | **YES** |

| | HOUR | MAJOR ST VOLUME | MINOR ST VOLUME |
|---|---|---|---|
| | 6-7 AM | **414** | **55** |
| | 7-8 AM | **465** | **71** |
| | 8-9 AM | **406** | **60** |
| | 9-10 AM | **352** | **57** |
| | 10-11 AM | **387** | **67** |
| | 11-12 PM | **412** | **76** |
| | 12-1 PM | **439** | **90** |
| | 1-2 PM | **449** | **95** |
| | 2-3 PM | **495** | **114** |
| | 3-4 PM | **548** | **186** |
| | 4-5 PM | **613** | **176** |
| | 5-6 PM | **623** | **170** |
| | 6-7 PM | **519** | **126** |

***FINDINGS:***

| | |
|---|---|
| **Condition 'A' Satisfied** | **NO** |
| **Condition 'B' Satisfied** | **NO** |
| **Combination 'A' & 'B' Satisfied** | **NO** |
| **WARRANT 1 Satisfied?** | **NO** |

***COMMENTS:***

**Pagones Theorem was utilized to adjust the right turn volume on CR 1 (40% reduction in right turns)**

## *WARRANT 1 -- EIGHT-HOUR VEHICULAR VOLUME*
### *CONDITION 'A' -- MINIMUM VEHICULAR VOLUME*

| | |
|---|---|
| Major Street | WV 51 |
| Minor Street | CR 1 |
| Jurisdiction | Middleway |
| 85% Speed > 40 mph | YES |
| Population < 10K | YES |
| # of Lanes on Major Street | 1 |
| # of Lanes on Minor Street | 1 |
| Minor St. Right Turns Discounted | YES |
| Major St. Warranting Volume | 500 |
| Minor St. Warranting Volume | 150 |
| 30% Warrant Volume Reduction | YES |

| HOUR | MAJOR STREET VOLUME | MINOR STREET VOLUME | MAJOR ST WARRANT VOLUME | MINOR ST WARRANT VOLUME | HOUR MET |
|---|---|---|---|---|---|
| 7-8 AM | 414 | 55 | 350 | 105 | NO |
| 8-9 AM | 465 | 71 | 350 | 105 | NO |
| 9-10 AM | 406 | 60 | 350 | 105 | NO |
| 10-11 AM | 352 | 57 | 350 | 105 | NO |
| 11-12 PM | 387 | 67 | 350 | 105 | NO |
| 12-1 PM | 412 | 76 | 350 | 105 | NO |
| 1-2 PM | 439 | 90 | 350 | 105 | NO |
| 2-3 PM | 449 | 95 | 350 | 105 | NO |
| 3-4 PM | 495 | 114 | 350 | 105 | YES |
| 4-5 PM | 548 | 186 | 350 | 105 | YES |
| 5-6 PM | 613 | 176 | 350 | 105 | YES |
| 6-7 PM | 623 | 170 | 350 | 105 | YES |

***FINDINGS:***

| | |
|---|---|
| Number of Hours Condition 'A' Met | 5 |
| **Condition 'A' Satisfied?** | NO |

***COMMENTS:***

**Pagones Theorem was utilized to adjust the right turn volume on CR 1 (40% reduction in right turns)**

## *WARRANT 1 -- EIGHT-HOUR VEHICULAR VOLUME*
## *CONDITION 'B' -- INTERRUPTION OF CONTINUOUS TRAFFIC*

| | |
|---|---|
| Major Street | WV 51 |
| Minor Street | CR 1 |
| Jurisdiction | Middleway |
| 85% Speed > 40 mph | YES |
| Population < 10K | YES |
| # of Lanes on Major Street | 1 |
| # of Lanes on Minor Street | 1 |
| Minor St. Right Turns Discounted | YES |
| Major St. Warranting Volume | 750 |
| Minor St. Warranting Volume | 75 |
| 30% Warrant Volume Reduction | YES |

| HOUR | MAJOR STREET VOLUME | MINOR STREET VOLUME | MAJOR ST WARRANT VOLUME | MINOR ST WARRANT VOLUME | HOUR MET |
|---|---|---|---|---|---|
| 6-7 AM | 414 | 55 | 525 | 53 | NO |
| 7-8 AM | 465 | 71 | 525 | 53 | NO |
| 8-9 AM | 406 | 60 | 525 | 53 | NO |
| 9-10 AM | 352 | 57 | 525 | 53 | NO |
| 10-11 AM | 387 | 67 | 525 | 53 | NO |
| 11-12 PM | 412 | 76 | 525 | 53 | NO |
| 12-1 PM | 439 | 90 | 525 | 53 | NO |
| 1-2 PM | 449 | 95 | 525 | 53 | NO |
| 2-3 PM | 495 | 114 | 525 | 53 | NO |
| 3-4 PM | 548 | 186 | 525 | 53 | YES |
| 4-5 PM | 613 | 176 | 525 | 53 | YES |
| 5-6 PM | 623 | 170 | 525 | 53 | YES |
| 6-7 PM | 519 | 126 | 525 | 53 | NO |

***FINDINGS:***

| | |
|---|---|
| Number of Hours Condition 'B' Met | 3 |
| **Condition 'B' Satisfied?** | NO |

***COMMENTS:***

**Pagones Theorem was utilized to adjust the right turn volume on CR 1 (40% reduction in right turns)**

# *WARRANT 1 -- EIGHT-HOUR VEHICULAR VOLUME*

## *COMBINATION OF CONDITION 'A' & 'B' (56% VOLUME)*

| | |
|---|---|
| Major Street | WV 51 |
| Minor Street | CR 1 |
| Jurisdiction | Middleway |

***CONDITION 'A'***

| HOUR | MAJOR STREET VOLUME | MINOR STREET VOLUME | MAJOR ST WARRANT VOLUME | MINOR ST WARRANT VOLUME | HOUR MET |
|---|---|---|---|---|---|
| 6-7 AM | 414 | 55 | 280 | 84 | NO |
| 7-8 AM | 465 | 71 | 280 | 84 | NO |
| 8-9 AM | 406 | 60 | 280 | 84 | NO |
| 9-10 AM | 352 | 57 | 280 | 84 | NO |
| 10-11 AM | 387 | 67 | 280 | 84 | NO |
| 11-12 PM | 412 | 76 | 280 | 84 | NO |
| 12-1 PM | 439 | 90 | 280 | 84 | YES |
| 1-2 PM | 449 | 95 | 280 | 84 | YES |
| 2-3 PM | 495 | 114 | 280 | 84 | YES |
| 3-4 PM | 548 | 186 | 280 | 84 | YES |
| 4-5 PM | 613 | 176 | 280 | 84 | YES |
| 5-6 PM | 623 | 170 | 280 | 84 | YES |
| 6-7 PM | 519 | 126 | 280 | 84 | YES |

***CONDITION 'B'***

| HOUR | MAJOR STREET VOLUME | MINOR STREET VOLUME | MAJOR ST WARRANT VOLUME | MINOR ST WARRANT VOLUME | HOUR MET |
|---|---|---|---|---|---|
| 6-7 AM | 414 | 55 | 420 | 42 | NO |
| 7-8 AM | 465 | 71 | 420 | 42 | YES |
| 8-9 AM | 406 | 60 | 420 | 42 | NO |
| 9-10 AM | 352 | 57 | 420 | 42 | NO |
| 10-11 AM | 387 | 67 | 420 | 42 | NO |
| 11-12 PM | 412 | 76 | 420 | 42 | NO |
| 12-1 PM | 439 | 90 | 420 | 42 | YES |
| 1-2 PM | 449 | 95 | 420 | 42 | YES |
| 2-3 PM | 495 | 114 | 420 | 42 | YES |
| 3-4 PM | 548 | 186 | 420 | 42 | YES |
| 4-5 PM | 613 | 176 | 420 | 42 | YES |
| 5-6 PM | 623 | 170 | 420 | 42 | YES |
| 6-7 PM | 519 | 126 | 420 | 42 | YES |

***FINDINGS:***

| | |
|---|---|
| Number of Hours Combination A&B Met | 7 |
| **Combination of A&B Satisfied?** | **NO** |

***COMMENTS:***

**Pagones Theorem was utilized to adjust the right turn volume on CR 1 (40% reduction in right turns)**

# *VEHICLE AND PEDESTRIAN VOLUME SUMMARY*

| *COUNT LOCATION* | |
|---|---|
| *CITY* | Middleway |
| *STATE* | WV |
| *DATE* | 7/8/2022 |
| *INTERSECTION* | Int 1: Leetown Road (CR 1) @ WV 51 (Middleway Pike) |
| *COUNT BY* | AMT |

Friday

| STREET | CR 1 | | | | | CR 1 | | | | | WV 51 | | | | WV 51 | | | | Total | | | PEAK HR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From North | | | | | From South | | | | | From East | | | | From West | | | | | | | |
| TIME | L | T | R | R* | TOT | L | T | R | R* | TOT | L | T | R | TOT | L | T | R | TOT | N-S | E-W | ALL | |
| 0600 - 0615 | 1 | 6 | 5 | 3 | 12 | 9 | 3 | 0 | 0 | 12 | 0 | 11 | 1 | 12 | 9 | 31 | 20 | 60 | 24 | 72 | 96 | 96 |
| 0615 - 0630 | 2 | 6 | 5 | 3 | 13 | 6 | 3 | 0 | 0 | 9 | 0 | 19 | 0 | 19 | 19 | 36 | 38 | 93 | 22 | 112 | 134 | 230 |
| 0630 - 0645 | 0 | 11 | 7 | 4 | 18 | 11 | 8 | 1 | 1 | 20 | 0 | 22 | 2 | 24 | 18 | 41 | 41 | 100 | 38 | 124 | 162 | 392 |
| 0645 - 0700 | 4 | 3 | 9 | 5 | 16 | 10 | 3 | 1 | 1 | 14 | 2 | 21 | 1 | 24 | 19 | 38 | 25 | 82 | 30 | 106 | 136 | 528 |
| **0700 - 0715** | **1** | **4** | **5** | **3** | **10** | **8** | **3** | **0** | **0** | **11** | **0** | **27** | **2** | **29** | **11** | **41** | **33** | **85** | **21** | **114** | **135** | 567 |
| **0715 - 0730** | **0** | **6** | **6** | **4** | **12** | **6** | **6** | **2** | **2** | **14** | **0** | **27** | **0** | **27** | **18** | **47** | **25** | **90** | **26** | **117** | **143** | 576 |
| **0730 - 0745** | **1** | **1** | **8** | **5** | **10** | **13** | **9** | **0** | **0** | **22** | **0** | **27** | **2** | **29** | **17** | **50** | **23** | **90** | **32** | **119** | **151** | 565 |
| **0745 - 0800** | **4** | **6** | **9** | **5** | **19** | **15** | **9** | **0** | **0** | **24** | **1** | **29** | **3** | **33** | **21** | **43** | **18** | **82** | **43** | **115** | **158** | ***587*** |
| 0800 - 0815 | 1 | 7 | 9 | 5 | 17 | 9 | 6 | 0 | 0 | 15 | 0 | 19 | 1 | 20 | 15 | 48 | 17 | 80 | 32 | 100 | 132 | 584 |
| 0815 - 0830 | 2 | 8 | 9 | 5 | 19 | 6 | 5 | 0 | 0 | 11 | 0 | 27 | 4 | 31 | 10 | 32 | 16 | 58 | 30 | 89 | 119 | 560 |
| 0830 - 0845 | 4 | 4 | 11 | 7 | 19 | 11 | 1 | 0 | 0 | 12 | 1 | 35 | 3 | 39 | 15 | 54 | 9 | 78 | 31 | 117 | 148 | 557 |
| 0845 - 0900 | 4 | 8 | 7 | 4 | 19 | 11 | 9 | 2 | 2 | 22 | 0 | 30 | 5 | 35 | 10 | 40 | 15 | 65 | 41 | 100 | 141 | 540 |
| 0900 - 0915 | 3 | 6 | 8 | 5 | 17 | 9 | 3 | 2 | 2 | 14 | 1 | 30 | 4 | 35 | 8 | 30 | 22 | 60 | 31 | 95 | 126 | 534 |
| 0915 - 0930 | 6 | 3 | 13 | 8 | 22 | 8 | 3 | 0 | 0 | 11 | 0 | 22 | 8 | 30 | 9 | 42 | 11 | 62 | 33 | 92 | 125 | 540 |
| 0930 - 0945 | 5 | 3 | 7 | 4 | 15 | 12 | 5 | 3 | 2 | 20 | 0 | 30 | 2 | 32 | 10 | 27 | 9 | 46 | 35 | 78 | 113 | 505 |
| 0945 - 1000 | 3 | 4 | 6 | 4 | 13 | 10 | 3 | 0 | 0 | 13 | 0 | 28 | 3 | 31 | 9 | 36 | 11 | 56 | 26 | 87 | 113 | 477 |
| 1000 - 1015 | 5 | 4 | 10 | 6 | 19 | 9 | 6 | 2 | 2 | 17 | 2 | 21 | 6 | 29 | 11 | 27 | 9 | 47 | 36 | 76 | 112 | 463 |
| 1015 - 1030 | 5 | 9 | 4 | 2 | 18 | 10 | 7 | 1 | 1 | 18 | 0 | 31 | 4 | 35 | 16 | 37 | 10 | 63 | 36 | 98 | 134 | 472 |
| 1030 - 1045 | 2 | 3 | 13 | 8 | 18 | 8 | 4 | 0 | 0 | 12 | 0 | 35 | 5 | 40 | 11 | 42 | 18 | 71 | 30 | 111 | 141 | 500 |
| 1045 - 1100 | 3 | 4 | 11 | 7 | 18 | 12 | 7 | 2 | 2 | 21 | 2 | 32 | 0 | 34 | 8 | 49 | 11 | 68 | 39 | 102 | 141 | 528 |
| 1100 - 1115 | 5 | 5 | 10 | 6 | 20 | 12 | 4 | 1 | 1 | 17 | 0 | 38 | 1 | 39 | 12 | 33 | 14 | 59 | 37 | 98 | 135 | 551 |
| 1115 - 1130 | 5 | 5 | 11 | 7 | 21 | 10 | 1 | 3 | 2 | 14 | 2 | 29 | 7 | 38 | 13 | 36 | 13 | 62 | 35 | 100 | 135 | 552 |
| 1130 - 1145 | 9 | 5 | 19 | 11 | 33 | 12 | 1 | 2 | 2 | 15 | 4 | 39 | 8 | 51 | 12 | 40 | 7 | 59 | 48 | 110 | 158 | 569 |
| 1145 - 1200 | 9 | 3 | 10 | 6 | 22 | 11 | 8 | 6 | 5 | 25 | 1 | 28 | 11 | 40 | 12 | 45 | 7 | 64 | 47 | 104 | 151 | 579 |
| 1200 - 1215 | 4 | 5 | 15 | 9 | 24 | 17 | 3 | 4 | 3 | 24 | 4 | 32 | 5 | 41 | 5 | 34 | 14 | 53 | 48 | 94 | 142 | 586 |
| 1215 - 1230 | 0 | 6 | 11 | 7 | 17 | 16 | 11 | 1 | 1 | 28 | 3 | 57 | 3 | 63 | 13 | 36 | 18 | 67 | 45 | 130 | 175 | 626 |
| 1230 - 1245 | 4 | 5 | 18 | 11 | 27 | 14 | 4 | 0 | 0 | 18 | 5 | 38 | 4 | 47 | 8 | 43 | 15 | 66 | 45 | 113 | 158 | 626 |
| 1245 - 1300 | 3 | 6 | 10 | 6 | 19 | 13 | 8 | 0 | 0 | 21 | 5 | 31 | 4 | 40 | 15 | 38 | 9 | 62 | 40 | 102 | 142 | 617 |
| 1300 - 1315 | 7 | 6 | 17 | 10 | 30 | 15 | 11 | 2 | 2 | 28 | 3 | 41 | 11 | 55 | 11 | 47 | 8 | 66 | 58 | 121 | 179 | 654 |
| 1315 - 1330 | 7 | 5 | 14 | 8 | 26 | 19 | 2 | 2 | 2 | 23 | 1 | 46 | 5 | 52 | 11 | 34 | 15 | 60 | 49 | 112 | 161 | 640 |
| 1330 - 1345 | 7 | 2 | 17 | 10 | 26 | 10 | 6 | 1 | 1 | 17 | 3 | 40 | 3 | 46 | 8 | 36 | 13 | 57 | 43 | 103 | 146 | 628 |
| 1345 - 1400 | 3 | 4 | 16 | 10 | 23 | 16 | 9 | 4 | 3 | 29 | 1 | 42 | 6 | 49 | 10 | 39 | 15 | 64 | 52 | 113 | 165 | 651 |
| 1400 - 1415 | 5 | 8 | 13 | 8 | 26 | 14 | 9 | 4 | 3 | 27 | 4 | 49 | 6 | 59 | 9 | 43 | 13 | 65 | 53 | 124 | 177 | 649 |
| 1415 - 1430 | 4 | 6 | 17 | 10 | 27 | 14 | 15 | 1 | 1 | 30 | 1 | 45 | 9 | 55 | 8 | 41 | 16 | 65 | 57 | 120 | 177 | 665 |
| 1430 - 1445 | 6 | 10 | 18 | 11 | 34 | 18 | 8 | 1 | 1 | 27 | 1 | 42 | 0 | 43 | 11 | 53 | 12 | 76 | 61 | 119 | 180 | 699 |
| 1445 - 1500 | 2 | 12 | 14 | 8 | 28 | 22 | 8 | 2 | 2 | 32 | 3 | 61 | 6 | 70 | 10 | 38 | 14 | 62 | 60 | 132 | 192 | 726 |
| 1500 - 1515 | 7 | 6 | 21 | 13 | 34 | 32 | 11 | 0 | 0 | 43 | 2 | 51 | 3 | 56 | 10 | 32 | 12 | 54 | 77 | 110 | 187 | 736 |
| 1515 - 1530 | 1 | 9 | 17 | 10 | 27 | 36 | 10 | 6 | 5 | 52 | 1 | 78 | 3 | 82 | 22 | 48 | 10 | 80 | 79 | 162 | 241 | 800 |
| 1530 - 1545 | 5 | 9 | 23 | 14 | 37 | 36 | 10 | 3 | 2 | 49 | 1 | 61 | 5 | 67 | 12 | 43 | 18 | 73 | 86 | 140 | 226 | 846 |
| 1545 - 1600 | 2 | 13 | 14 | 8 | 29 | 33 | 9 | 2 | 2 | 44 | 1 | 63 | 7 | 71 | 14 | 37 | 14 | 65 | 73 | 136 | 209 | 863 |
| 1600 - 1615 | 5 | 12 | 20 | 12 | 37 | 26 | 16 | 1 | 1 | 43 | 1 | 67 | 3 | 71 | 9 | 49 | 12 | 70 | 80 | 141 | 221 | 897 |
| **1615 - 1630** | **4** | **10** | **22** | **13** | **36** | **23** | **12** | **1** | **1** | **36** | **1** | **70** | **4** | **75** | **12** | **61** | **11** | **84** | **72** | **159** | **231** | 887 |
| **1630 - 1645** | **0** | **4** | **17** | **10** | **21** | **40** | **8** | **1** | **1** | **49** | **1** | **68** | **4** | **73** | **11** | **56** | **17** | **84** | **70** | **157** | **227** | 888 |
| **1645 - 1700** | **6** | **7** | **25** | **15** | **38** | **40** | **6** | **3** | **2** | **49** | **0** | **62** | **7** | **69** | **16** | **50** | **21** | **87** | **87** | **156** | **243** | 922 |
| **1700 - 1715** | **4** | **6** | **17** | **10** | **27** | **28** | **11** | **2** | **2** | **41** | **1** | **52** | **4** | **57** | **14** | **48** | **11** | **73** | **68** | **130** | **198** | ***899*** |
| 1715 - 1730 | 3 | 5 | 19 | 11 | 27 | 27 | 15 | 4 | 3 | 46 | 3 | 89 | 8 | 100 | 18 | 58 | 19 | 95 | 73 | 195 | 268 | 936 |
| 1730 - 1745 | 4 | 9 | 14 | 8 | 27 | 27 | 18 | 7 | 6 | 52 | 2 | 64 | 4 | 70 | 11 | 51 | 15 | 77 | 79 | 147 | 226 | 935 |
| 1745 - 1800 | 1 | 7 | 14 | 8 | 22 | 23 | 10 | 1 | 1 | 34 | 1 | 68 | 6 | 75 | 12 | 48 | 16 | 76 | 56 | 151 | 207 | 899 |
| 1800 - 1815 | 3 | 5 | 17 | 10 | 25 | 26 | 7 | 3 | 2 | 36 | 1 | 59 | 6 | 66 | 10 | 47 | 13 | 70 | 61 | 136 | 197 | 898 |
| 1815 - 1830 | 2 | 7 | 19 | 11 | 28 | 25 | 10 | 2 | 2 | 37 | 3 | 61 | 7 | 71 | 9 | 59 | 10 | 78 | 65 | 149 | 214 | 844 |
| 1830 - 1845 | 9 | 4 | 12 | 7 | 25 | 14 | 10 | 5 | 4 | 29 | 4 | 42 | 8 | 54 | 10 | 44 | 14 | 68 | 54 | 122 | 176 | 794 |
| 1845 - 1900 | 3 | 8 | 7 | 4 | 18 | 16 | 9 | 1 | 1 | 26 | 2 | 43 | 4 | 49 | 13 | 43 | 7 | 63 | 44 | 112 | 156 | 743 |
| | | | | | | | | | | | | | | | | | | | | | | |
| Peak HR AM | | | | | | | | | | | | | | | | | | | | | | |
| 0700 - 0800 | ***6*** | ***17*** | ***28*** | ***17*** | ***51*** | ***42*** | ***27*** | ***2*** | ***2*** | ***71*** | ***1*** | ***110*** | ***7*** | ***118*** | ***67*** | ***181*** | ***99*** | ***347*** | ***122*** | ***465*** | ***587*** | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Peak HR PM | | | | | | | | | | | | | | | | | | | | | | |
| 1615 - 1715 | ***14*** | ***27*** | ***81*** | ***49*** | ***122*** | ***131*** | ***37*** | ***7*** | ***6*** | ***175*** | ***3*** | ***252*** | ***19*** | ***274*** | ***53*** | ***215*** | ***60*** | ***328*** | ***297*** | ***602*** | ***899*** | |

R* = Reduced Right-Turn Volumes via Pagones Theorem

## Pagones Theorem* provided by IDOT (modified for WVDOT)

First, determine which lane configuration represents the leg that is being studied. Then, based on the movements for each hour, find the percent reduction for each hour with Pagones Theorem.

**Pagones Theorem**

| Situation | Approach configuration | Condition | Reduction of right turns |
|---|---|---|---|
| 1 | Shared Left/ Through/Right | $R > 0.7A$<br>$0.7A \varepsilon R > 0.35A$<br>$R \delta 0.35A$ | Reduce $R$ by 60 percent Reduce $R$ by 40 percent Reduce $R$ by 20 percent |
| 2 | Exclusive Left, Shared Through/ Right | $R > 3T$<br>$3T \varepsilon R > T/3$<br>$R \delta T/3$ | Reduce $R$ by 60 percent Reduce $R$ by 40 percent Reduce $R$ by 20 percent |
| 3 | Any configuration with an exclusive right turn lane (min 125' for WVDOT) | | Reduce $R$ by<br>75 percent in all cases |
| 4 | Shared Left/Through and Shared Through/Right | $R > (T + L)$<br>$L > (T + R)$<br>$L = T = R$ (±10 vehicles)<br>$L = T > 3R$<br>$R = T > 3L$<br>All other cases | Reduce $R$ by 65 percent<br>Use Situation 2<br>Reduce $R$ by 40 percent<br>Reduce $R$ by 20 percent<br>Reduce $R$ by 50 percent<br>Reduce $R$ by 30 percent |
| 5 | Exclusive Left, Exclusive Through and Shared Through/Right | $R > T$<br>$T \varepsilon R > T/2$<br>$T/2 \varepsilon R > T/4$<br>$R \delta T/4$ | Reduce $R$ by 75 percent<br>Reduce $R$ by 50 percent<br>Reduce $R$ by 30 percent<br>Reduce $R$ by 15 percent |

Where: $L$ = number of left turning vehicles in approach;
$T$ = number of through vehicles in approach;
$R$ = number of right turning vehicles in approach; and
$A = (L + T + R)$.

# *APPENDIX E-2: WARRANT 2 FOUR-HOUR VEHICULAR VOLUME*

# Warrant 2: Four-hour Vehicular Volume

**1: WV 51 with CR 1**

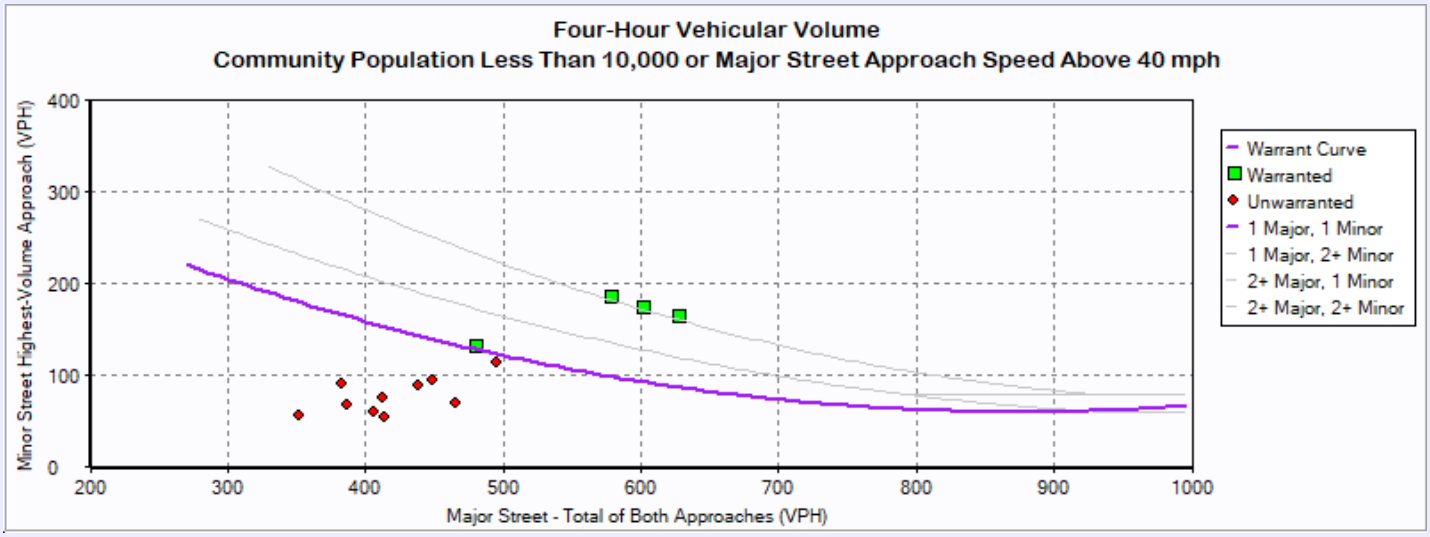
**Intersection Information**

| | Major Street | Minor Street |
|---|---|---|
| **Street Name** | WV 51 | CR 1 |
| **Direction** | EB/WB | NB/SB |
| **Number of Lanes** | 1 | 1 |
| **Approch Speed** | 45 | 30 |

**Warrant 2 Met?** **Yes**

**Details:**

| | |
|---|---|
| **Notes** | 4 Hours met (4 required) |
| **Low population** | Yes |



**Hourly Volumes**

| Hour | Major Street<br>Total All Approaches (vph) | Minor Street<br>Highest Volume Approach (vph) |
|---|---|---|
| 00:00:00 - 01:00:00 | 0 | 0 |
| 01:00:00 - 02:00:00 | 0 | 0 |
| 02:00:00 - 03:00:00 | 0 | 0 |
| 03:00:00 - 04:00:00 | 0 | 0 |
| 04:00:00 - 05:00:00 | 0 | 0 |
| 05:00:00 - 06:00:00 | 0 | 0 |
| 06:00:00 - 07:00:00 | 414 | 55 |
| 07:00:00 - 08:00:00 | 465 | 71 |
| 08:00:00 - 09:00:00 | 406 | 60 |
| 09:00:00 - 10:00:00 | 352 | 57 |
| 10:00:00 - 11:00:00 | 387 | 68 |
| 11:00:00 - 12:00:00 | 412 | 76 |
| 12:00:00 - 13:00:00 | 439 | 90 |
| 13:00:00 - 14:00:00 | 449 | 96 |
| 14:00:00 - 15:00:00 | 495 | 115 |
| 15:00:00 - 16:00:00 | 548 | 186 |
| 16:00:00 - 17:00:00 | 613 | 176 |
| 17:00:00 - 18:00:00 | 623 | 171 |
| 18:00:00 - 19:00:00 | 519 | 126 |
| 19:00:00 - 20:00:00 | 0 | 0 |
| 20:00:00 - 21:00:00 | 0 | 0 |
| 21:00:00 - 22:00:00 | 0 | 0 |
| 22:00:00 - 23:00:00 | 0 | 0 |

| | | |
|---|---|---|
| 23:00:00 - 00:00:00 | 0 | 0 |

**Warranted Hours**

| Hour | Major Street<br>Total All Approaches (vph) | Minor Street<br>Highest Volume Approach (vph) |
|---|---|---|
| 14:15:00 - 15:15:00 | 481.00 | 132.00 |
| 15:15:00 - 16:15:00 | 579.00 | 186.00 |
| 16:15:00 - 17:15:00 | 602.00 | 174.00 |
| 17:15:00 - 18:15:00 | 629.00 | 165.00 |

Note: Only data of hours warranted is represented in the above table.

# *APPENDIX E-3: WARRANT 7 CRASH EXPERIENCE*

# *WARRANT 7 -- CRASH EXPERIENCE*

| | |
|---|---|
| Major Street | WV 51 |
| Minor Street | CR 1 |
| Jurisdiction | Middleway |
| Have five (5) correctable crashes occurred in 1 year? | YES |

***CONDITION 'A'***

| HOUR | MAJOR STREET VOLUME | MINOR STREET VOLUME | MAJOR ST WARRANT VOLUME | MINOR ST WARRANT VOLUME | HOUR MET |
|---|---|---|---|---|---|
| 6-7 AM | 414 | 55 | 280 | 84 | NO |
| 7-8 AM | 465 | 71 | 280 | 84 | NO |
| 8-9 AM | 406 | 60 | 280 | 84 | NO |
| 9-10 AM | 352 | 57 | 280 | 84 | NO |
| 10-11 AM | 387 | 67 | 280 | 84 | NO |
| 11-12 PM | 412 | 76 | 280 | 84 | NO |
| 12-1 PM | 439 | 90 | 280 | 84 | YES |
| 1-2 PM | 449 | 95 | 280 | 84 | YES |
| 2-3 PM | 495 | 114 | 280 | 84 | YES |
| 3-4 PM | 548 | 186 | 280 | 84 | YES |
| 4-5 PM | 613 | 176 | 280 | 84 | YES |
| 5-6 PM | 623 | 170 | 280 | 84 | YES |
| 6-7 PM | 519 | 126 | 280 | 84 | YES |

***CONDITION 'B'***

| HOUR | MAJOR STREET VOLUME | MINOR STREET VOLUME | MAJOR ST WARRANT VOLUME | MINOR ST WARRANT VOLUME | HOUR MET |
|---|---|---|---|---|---|
| 6-7 AM | 414 | 55 | 420 | 42 | NO |
| 7-8 AM | 465 | 71 | 420 | 42 | YES |
| 8-9 AM | 406 | 60 | 420 | 42 | NO |
| 9-10 AM | 352 | 57 | 420 | 42 | NO |
| 10-11 AM | 387 | 67 | 420 | 42 | NO |
| 11-12 PM | 412 | 76 | 420 | 42 | NO |
| 12-1 PM | 439 | 90 | 420 | 42 | YES |
| 1-2 PM | 449 | 95 | 420 | 42 | YES |
| 2-3 PM | 495 | 114 | 420 | 42 | YES |
| 3-4 PM | 548 | 186 | 420 | 42 | YES |
| 4-5 PM | 613 | 176 | 420 | 42 | YES |
| 5-6 PM | 623 | 170 | 420 | 42 | YES |
| 6-7 PM | 519 | 126 | 420 | 42 | YES |

***FINDINGS:***

| | |
|---|---|
| Condition A Satisfied? | 7 |
| Condition B Satisfied? | 8 |
| **WARRANT 7 Satisfied?** | **YES** |

***COMMENTS:***

| Report Number | Date Of Crash | Time Of Day | Day Of Week | County | Route1 | Street | Intersecting Street | Junction Type | Intersection Type | Manner Of Collision | Lighting | Surface Condition |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 201704335 | 2/17/2017 | 1231 | Friday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection-Related | 4-Way Intersection | Right Angle | Daylight | Dry |
| 201705979 | 3/8/2017 | 1149 | Wednesday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 201708124 | 3/22/2017 | 1652 | Wednesday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 201707435 | 3/29/2017 | 1756 | Wednesday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection-Related | 4-Way Intersection | Right Angle | Daylight | Dry |
| 201717406 | 6/29/2017 | 1614 | Thursday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Angle (Front to Side) Opposite Direction | Daylight | Dry |
| 201721171 | 7/31/2017 | 1718 | Monday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Angle (Front to Side) Opposite Direction | Daylight | Dry |
| 201732127 | 11/20/2017 | 440 | Monday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection-Related | 4-Way Intersection | Right Angle | Dark - Not Lighted | Dry |
| 201803521 | 2/9/2018 | 1248 | Friday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 201810127 | 4/19/2018 | 1012 | Thursday | JEFFERSON | 51 | MIDDLETOWN PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 201825881 | 9/13/2018 | 1523 | Thursday | JEFFERSON | 51 | MIDDLE WAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 201826804 | 9/27/2018 | 1316 | Thursday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Rear End | Daylight | Wet |
| 201826945 | 9/30/2018 | 1205 | Sunday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 201904264 | 2/18/2019 | 1545 | Monday | JEFFERSON | 51 | MIDDLE WAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 201907257 | 3/22/2019 | 1727 | Friday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 201924406 | 9/3/2019 | 1729 | Tuesday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 201922719 | 9/4/2019 | 1355 | Wednesday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 201926786 | 9/11/2019 | 1058 | Wednesday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 202000943 | 1/13/2020 | 1515 | Monday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection-Related | 4-Way Intersection | Right Angle | Daylight | Dry |
| 202000945 | 1/15/2020 | 2035 | Wednesday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Dark - Lighted | Dry |
| 202006479 | 3/26/2020 | 15 | Thursday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection-Related | 4-Way Intersection | Single Vehicle Crash | Dark - Lighted | Dry |
| 202022851 | 10/28/2020 | 728 | Wednesday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 202103904 | 2/17/2021 | 1748 | Wednesday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Right Angle | Daylight | Dry |
| 202120562 | 8/6/2021 | 1830 | Friday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Angle (Front to Side) Opposite Direction | Daylight | Dry |
| 202123007 | 9/29/2021 | 1830 | Wednesday | JEFFERSON | 51 | MIDDLEWAY PIKE | LEETOWN ROAD | Junction, Non Interchange - Intersection | 4-Way Intersection | Angle (Front to Side) Same Direction | Daylight | Dry |

# *APPENDIX F: PROJECT CORRESPONDENCE*

# *APPENDIX F-1: SCOPE OF WORK*

# Proposed TIS Scope of Work (SOW)

## 3M Site Redevelopment TIS

## Middleway, Jefferson County

### Purpose

The purpose of this SOW document is to delineate the assumptions of the Traffic Impact Study (TIS) for the proposed development project. Confirming assumptions at the beginning of the project helps to assure that the TIS will be completed only once and in a timely matter. This memorandum aims to create a communicative line between the WVDOH, the client, and the traffic engineer to discuss all of the issues involved with completing the TIS. This document will cover the following topics:

- Client Information
- Study Methodology
- Intersections to be studied
- Existing Traffic Data Collection
- Trip Generation
- Trip Distribution
- Site Access
- Approved Developments
- Additional Data Needs
- Local Government Coordination

### Client Information

AMT is preparing this study on behalf of *Sidewinder Enterprises, LLC.* Our Point of Contact is *Sean Masterson*.

1 Grace Street
Kearneysville, WV 25430
sean@sidewinderenterprises.net

### Study Methodology

The site is located at the end of Grace Street and west of Queen Street (CR 1). Site access is proposed to Grace Street via existing roadways. Both the AM (7-9 AM) and PM (3-6 PM) peak hours will be studied.

The analysis will follow the TED 106-2 along with applicable ITE and Highway Capacity methodologies which include four milestones:

- 2022 Existing Conditions
- 2024 Future No-Build Conditions (without proposed development and with any approved adjacent development in place)
- 2024 Future Build Conditions (with the proposed development in place)
- 2024 Future Build Improved Conditions (with the proposed development and recommended improvements in place)

Traffic analysis will consider Future Build conditions at the build-out year. Based upon current information, the development is assumed to fully built by 2024. A growth rate will be requested from WVDOH Performance Management Division and utilized to determine future traffic volumes.

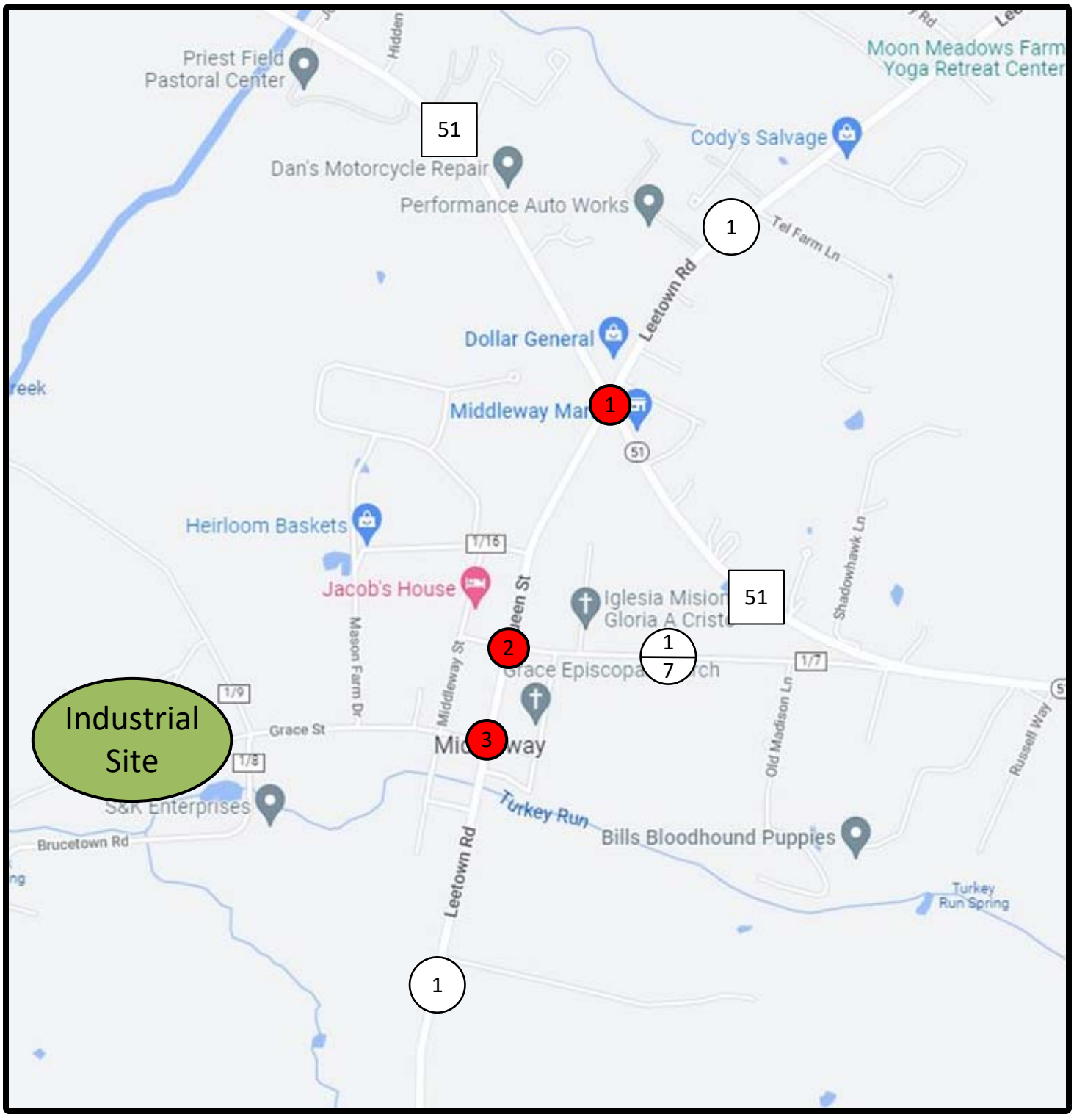
The analyses will be performed using the SYNCHRO 11.1 software package. The use of this software helps to ensure that the intersections will be analyzed in real life situations with intersections in coordination in all conditions.

## Number of Intersections to be Studied

The following three (3) existing intersections will be included in the study for capacity analysis:

1. CR 1 (Leetown Road) with WV 51 (Middleway Pike)
    - Existing: Stop Controlled Plus Intersection
2. CR 1 (Queen Street) with Charles Street/Old Middleway Road (CR 1/7)
    - Existing: Stop Controlled Plus Intersection
3. CR 1 (Queen Street) with Grace Street
    - Existing: Stop Controlled Plus Intersection

Figure 1 shows the study area and key intersections. Figure 2 shows the current conceptual site plan with proposed access.




## LEGEND

= Development

= Existing Intersection

N

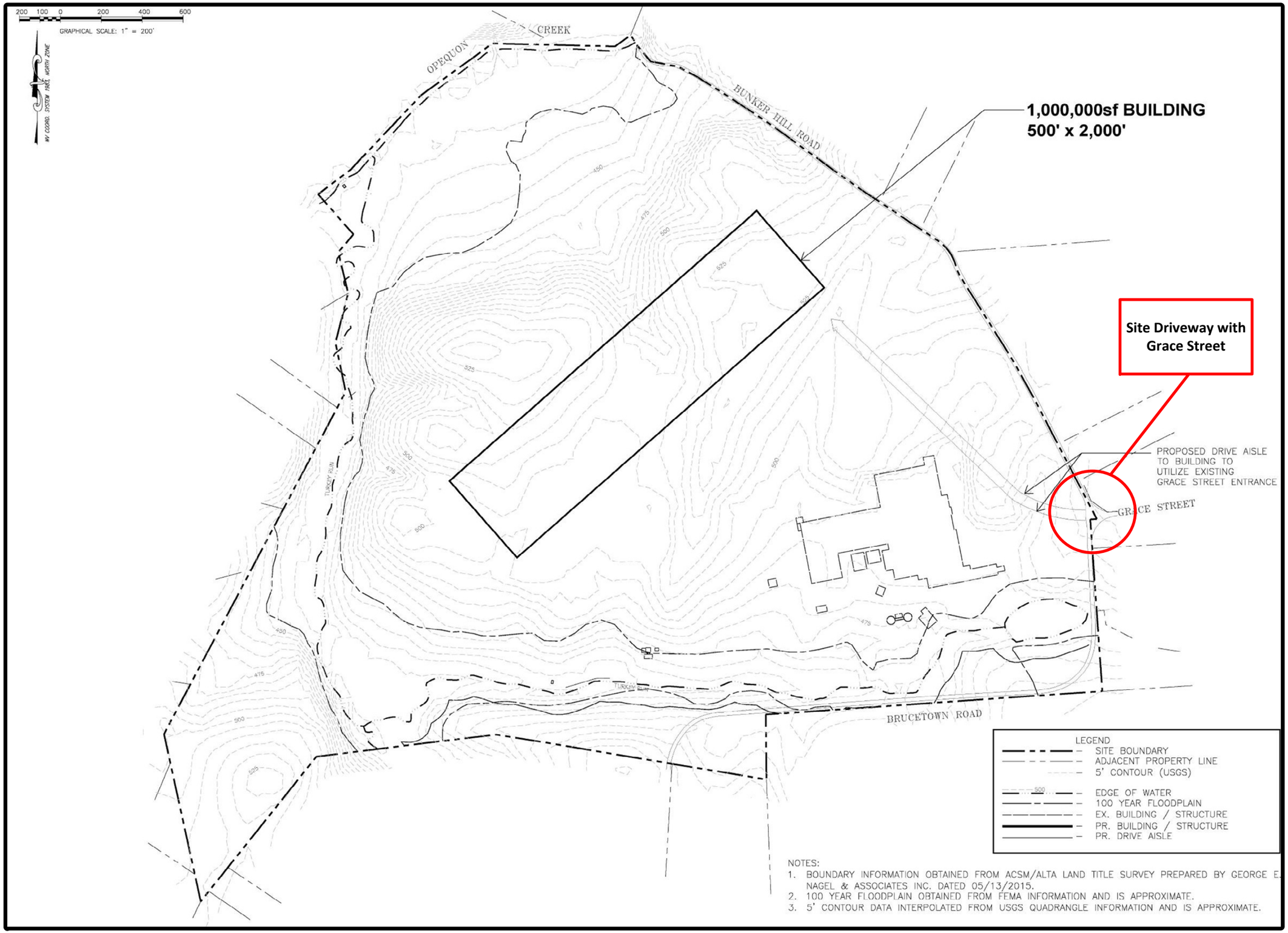
NOT TO SCALE

# 3M Redevelopment TIS

Site Location Map

**DATE:** July 2022

**FIGURE 1**




**3M Redevelopment TIS**

Site Plan

**DATE:** July 2022

**FIGURE 2**

N

NOT TO SCALE

## Existing Traffic Data Collection

Full 13-hour turning movement count will be collected at the following intersection between the hours of 6AM to 7PM on a typical Friday. The 13-hour turning movement count will be utilized for traffic signal warrant analysis of the existing conditions. New turning movement counts will be collected at following intersection:

- CR 1 (Leetown Road) with WV 51 (Middleway Pike)

Peak hour turning movement counts at each existing intersection will be collected on a typical Friday when Jefferson County Schools are in session between the hours of 7AM to 9AM and 3PM to 6PM. New Turning Movement counts will be collected at the following locations:

- CR 1 (Queen Street) with Charles Street/Old Middleway Road (CR 1/7)
- CR 1 (Queen Street) with Grace Street

## Trip Generation

The proposed site will be a redevelopment of 300-acre industrial site comprising 1,000,000 square feet (sf) with an expected number of 200 employees (See Figure 2). Additionally, the site is expected to generate approximately 160 vehicles/day that will be equally distributed during peak hours. Peak hour trip generation will be determined using trip rate data from the latest version of the ITE Trip Generation Manual using Land Use Codes (LUC) 110 (General Light Industrial) based on number of employees.

## Trip Distribution

The site-generated trips to and from the proposed residential development will be distributed in accordance with the existing traffic patterns and land uses in the vicinity of the study area. Proposed trip distribution based upon current conditions is as follows:

- 10% to/from the south on CR 1
- 90% to/from the north on CR 1
    - 35% to/from the west on WV 51
    - 25% to/from the east on WV 51
    - 10% to/from east on CR 1/7 via WV 51
    - 20% to/from the north on CR 1

This proposed distribution results in an 90/10 north/south split for traffic entering the site from CR 1. Trip distribution will be confirmed once turning movement data is collected and discussed with WVDOH prior to submission of the preliminary TIS document.

## Site Access

Access to the site is proposed to be provided by one existing site access point. Each of these are detailed below:

*Site Drive #1 (Site Access 1)*
Site Drive #1 is proposed as a full movement two-way approach to Grace Street near the eastern end of the parcel. Site Drive #1 is to be located approximately 2,000 feet west of Queen Street.

Site Drive #1 does not create a new intersection with the state highway system and the connection point appears to be simple and does not merit analysis.

## Approved Developments

The TIS will include any applicable approved or pending TIS documents for projects in the vicinity of this proposed development, as determined by WVDOH.

## Additional Data Needs

The following information is requested in order to complete the analysis for this project:

- Any potential improvement projects planned in this area

## Local Government Coordination

AMT will provide the preliminary and final TIS reports to local government in accordance with the pending Development Agreement with *Sidewinder Enterprises, LLC.* The TIS will be provided to the following entities, plus any added through the development agreement process:

- Hagerstown Eastern Panhandle MPO (HEPMPO)
- Jefferson County Commission

## Glaser, Caleb

**From:** Cramer, David E <david.e.cramer@wv.gov>
**Sent:** Monday, July 18, 2022 9:45 AM
**To:** Glaser, Caleb
**Cc:** Donald R Meadows; Kenneth L Clohan; Trixie A Willis; Alanna J Keller; Kirk, Tim
**Subject:** Fwd: Proposed 3M Site Redevelopment TIS SOW - Jefferson County
**Attachments:** 2022_07_06, 3M Site Redevelopment TIS Proposed SOW.pdf

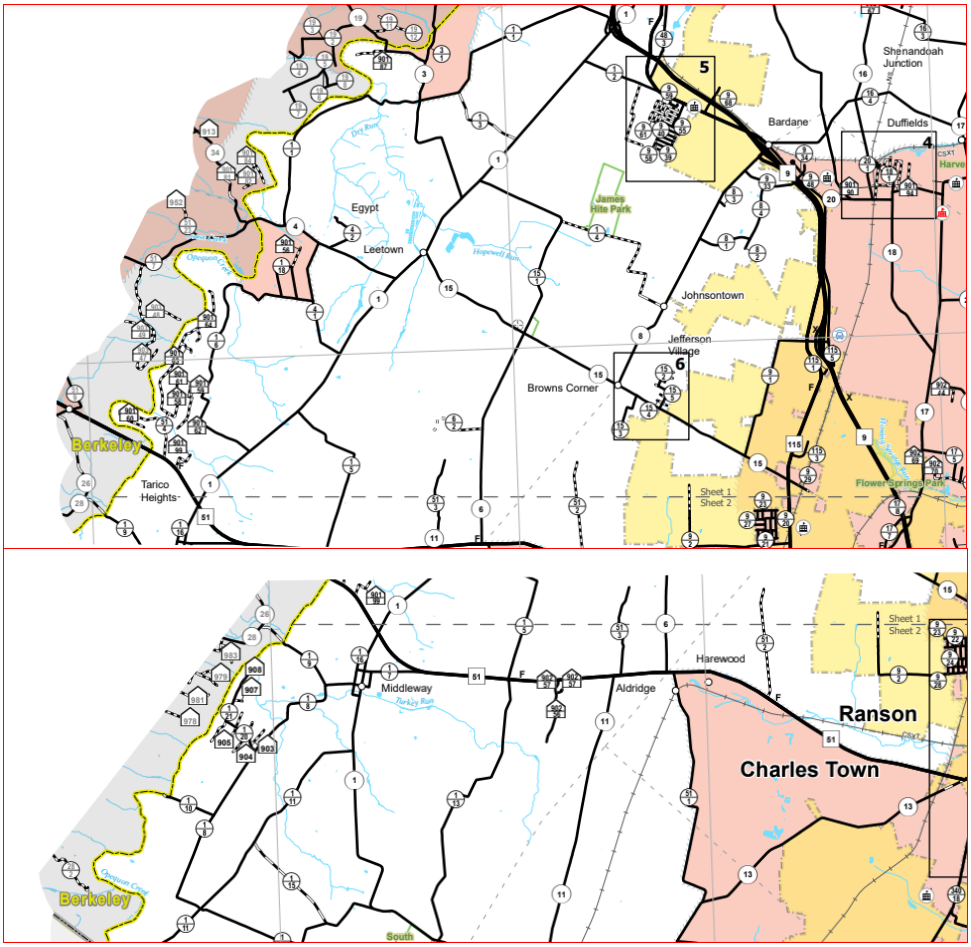
**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you verify that the attachment and content are safe.

The DOH has no suggested revisions to this SOW. Developer should verify sufficiency of truck turning radii (without offtracking into opposing lane) at the affected intersections for the anticipated routing although that would be a design issue more so than a TIS issue. There are no known (to DOH) other developments within the project area.

A Developer agreement will be drafted by the DOH with the company noted in the SOW, however I cannot locate that company within the WV Secretary of State business registration database; please provide additional information concerning this company with respect to its registration in WV as a business.

If additional info is needed, please let us know. Thanks.

Dave



---------- Forwarded message ---------
From: **Glaser, Caleb** <cglaser@amtengineering.com>
Date: Wed, Jul 6, 2022 at 10:48 AM
Subject: Proposed 3M Site Redevelopment TIS SOW - Jefferson County
To: Cramer, David E <David.E.Cramer@wv.gov>
Cc: Kirk, Tim <tkirk@amtengineering.com>, Meadows, Donald R <Donald.R.Meadows@wv.gov>, Ken Clohan <kenneth.l.clohan@wv.gov>

Good Morning Dave,

Attached is our proposed Scope of Work (SOW) for an industrial redevelopment project located in Middleway, Jefferson County. The site is proposed to utilize an existing site driveway opposite Grace Street and providing direct access to CR 1. Please let us know if you have any questions or need additional information.

Best Regards,

**Caleb Glaser** P.E.

Engineer

**P** 304-400-4952 | **D** 304-903-7010 | **C** 216-640-5970
**W** www.amtengineering.com

--
David E. Cramer, PE
WV Department of Transportation
Commissioner's Office of Economic Development
Interim Director - Aeronautics Commission
1900 Kanawha Boulevard, East
Building 5, Room 110
Charleston, West Virginia 25305
304-414-6697 (office)

# *APPENDIX F-2: GROWTH RATE*

## Glaser, Caleb

**From:** TMA Traffic Monitoring, DOH <tmatrafficmonitoring@wv.gov>
**Sent:** Thursday, June 9, 2022 12:39 PM
**To:** Glaser, Caleb
**Subject:** Fwd: Traffic Data Request

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you verify that the attachment and content are safe.

---------- Forwarded message ---------
From: <TMATrafficMonitoring@wv.gov>
Date: Thu, Jun 9, 2022 at 12:38 PM
Subject: Traffic Data Request
To: <TMATrafficMonitoring@wv.gov>

Requestor Information
**Name:** Caleb Glaser
**Email:** cglaser@amtengineering.com
**Phone Number:** 2166405970

Thank you for submitting a traffic data request.

**Response:** The growth rate for this location is 1.4111%. The design designation for WV 51 - AADT: 8,362 K: 11% D: 65/35 T: 8% The design designation for CO 1 - AADT: 2,410 That is all I have for this route. Please let me know if you need anything else, and thank you for using the request form!

For questions about your request, please reply to this email.

# *APPENDIX F-3: COMMENT RESOLUTION*

May 1, 2023

Mr. Perry Keller
WV Department of Transportation
Commissioner's Office of Economic Development
1900 Kanawha Boulevard, East
Building 5, Room 164
Charleston, West Virginia 25305

Re: Traffic Impact Study
3M Redevelopment
Jefferson County
AMT File No.: 22-0284.001

Dear Mr. Keller:

This letter is in reference to your email dated April 6, 2023 transmitting review comments regarding the Traffic Impact Study for the 3M Redevelopment project prepared by A. Morton Thomas and Associates, Inc. (AMT). Following are responses and intended resolution to your comments:

1) *Based on information within the TIS, it appears no definitive tenant is currently known for the project, therefore DOH will require that trip generation be revisited once a tenant is known to ensure that trips are not underestimated. This concern is primarily related to the significant difference in trips generated when comparing square footage to employees.*

   **Acknowledged. At this time there is still no definitive tenant and the general Light Industrial LUC is appropriate. If a definitive tenant is in place in the future, a comparison of estimated trips will be performed and presented as either a memo or revised TIS to WVDOH for approval.**

2) *TIS indicates that the proposed CR 1 NB need for a LTL approaching the intersection with WV 51 to be an existing issue, however, based on information within the study the need for this lane would appear to primarily be based on the build out of this proposed development. As such the need for the CR 1 NB LTL should be shown as a result of the proposed development.*

   **Further discussions with WVDOH on the intersection confirmed a traffic signal project is to be performed at WV 51 with CR 1. This project would include the signal as well as exclusive left-turn lanes on the WV 51 approaches. Further analysis indicates that the signal is expected to operate adequately with split phasing and maintaining existing lane configuration on the CR 1 approaches. This is included in the Revised TIS Report.**

Please let us know if you have any additional questions or desire clarification of any information provided in this response to your comments regarding the 3M Redevelopment Revised TIS. We are available at your convenience to discuss this project.

Sincerely,
A. Morton Thomas and Associates, Inc.



Caleb Glaser, P.E., PTOE
Project Engineer
*cglaser@amtengineering.com*

cc: Jason Gerhart (IFS)
Sean Masterson (Sidewinder Enterprises)

## Glaser, Caleb

**From:** Keller, Perry J <perry.j.keller@wv.gov>
**Sent:** Thursday, April 6, 2023 11:26 AM
**To:** Glaser, Caleb
**Subject:** Fwd: Proposed 3M Site Redevelopment TIS SOW - Jefferson County

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you verify that the attachment and content are safe.

See below. Sorry for missing this earlier.

---------- Forwarded message ---------
From: **Meadows, Donald R** <donald.r.meadows@wv.gov>
Date: Thu, Apr 6, 2023 at 11:19 AM
Subject: Fwd: Proposed 3M Site Redevelopment TIS SOW - Jefferson County
To: Perry J Keller <perry.j.keller@wv.gov>
Cc: Kenneth L Clohan <kenneth.l.clohan@wv.gov>, Kevin A McDonald <kevin.a.mcdonald@wv.gov>

Perry,
Below are the comments I originally emailed to Dave prior to the agreement being executed.

After reviewing the TIS submitted by AMT for the proposed 3M Site Redevelopment I have the following comments:

1. Based on information within the TIS, it appears no definitive tenant is currently known for the project, therefore DOH will require that trip generation be revisited once a tenant is known to ensure that trips are not underestimated. This concern is primarily related to the significant difference in trips generated when comparing square footage to employees.

2. TIS indicates that the proposed CR 1 NB need for a LTL approaching the intersection with WV 51 to be an existing issue, however, based on information within the study the need for this lane would appear to primarily be based on the build out of this proposed development. As such the need for the CR 1 NB LTL should be shown as a result of the proposed development.

Consultant should address the above comments and provide a revised TIS for further review and/or approval. Also, I am not sure whether Ken had completed his review on this one as I don't have any comments from D5 in my correspondence files. Let me know if you have any questions or if you need any additional information. THANKS>DON

*Donald R. Meadows*
West Virginia Division of Highways
Traffic Engineering - Operations
1900 Kanawha Blvd. E.
Charleston, WV 25305
Office Ph: 304-414-7354
Cell Ph: 304-382-3160

**24-6-SP - Mountain Pure Concept Plan Public Comment Index**

1) Mountain Pure CP Public Comment_11-25-24 – Covello
2) Mountain Pure CP Public Comment_11-25-24 – Degenhardt
3) Mountain Pure CP Public Comment_11-25-24 – Green Sr.
4) Mountain Pure CP Public Comment_11-25-24 – Gregory
5) Mountain Pure CP Public Comment_11-25-24 – Melocik
6) Mountain Pure CP Public Comment_11-25-24 – Olivares
7) Mountain Pure CP Public Comment_11-25-24 – Poston
8) Mountain Pure CP Public Comment_11-25-24 – Radler
9) Mountain Pure CP Public Comment_11-25-24 – Spears
10) Mountain Pure CP Public Comment_11-25-24 - Ward
11) Mountain Pure CP Public Comment_12-02-24 – Barrett
12) Mountain Pure CP Public Comment_12-02-24 – Biggs
13) Mountain Pure CP Public Comment_12-02-24 – Broomall
14) Mountain Pure CP Public Comment_12-02-24 – Caprio
15) Mountain Pure CP Public Comment_12-02-24 – Deupree
16) Mountain Pure CP Public Comment_12-02-24 – Dragon
17) Mountain Pure CP Public Comment_12-02-24 – Grim
18) Mountain Pure CP Public Comment_12-02-24 – Hale
19) Mountain Pure CP Public Comment_12-02-24 – Layne
20) Mountain Pure CP Public Comment_12-02-24 – McLaughlin
21) Mountain Pure CP Public Comment_12-02-24 – Muse
22) Mountain Pure CP Public Comment_12-02-24 – Phipps
23) Mountain Pure CP Public Comment_12-02-24 – Printz
24) Mountain Pure CP Public Comment_12-02-24 – Rampy
25) Mountain Pure CP Public Comment_12-02-24 – Rodis
26) Mountain Pure CP Public Comment_12-02-24 – Shutts J
27) Mountain Pure CP Public Comment_12-02-24 – Shutts T
28) Mountain Pure CP Public Comment_12-02-24 – Smith
29) Mountain Pure CP Public Comment_12-02-24 – Wheeler
30) Mountain Pure CP Public Comment_12-02-24 – Yaros
31) Mountain Pure CP Public Comment_12-02-24 – Caprio
32) Mountain Pure CP Public Comment_12-02-24 – Sheffer
33) Mountain Pure CP Public Comment_12-02-24 – Urban
34) Mountain Pure CP Public Comment_12-03-24 – Reifer
35) Mountain Pure CP Public Comment_12-03-24 – Bario
36) Mountain Pure CP Public Comment_12-03-24 – Burdick
37) Mountain Pure CP Public Comment_12-03-24 – Drechsler
38) Mountain Pure CP Public Comment_12-03-24 – Fremaux
39) Mountain Pure CP Public Comment_12-03-24 – Hatcher D
40) Mountain Pure CP Public Comment_12-03-24 – Hatcher R
41) Mountain Pure CP Public Comment_12-03-24 – Henry
42) Mountain Pure CP Public Comment_12-03-24 – Lowery
43) Mountain Pure CP Public Comment_12-03-24 – Naputi
44) Mountain Pure CP Public Comment_12-03-24 – Ontiveros

**24-6-SP - Mountain Pure Concept Plan Public Comment Index**

45) Mountain Pure CP Public Comment_12-03-24 – Printz C
46) Mountain Pure CP Public Comment_12-03-24 – Printz D
47) Mountain Pure CP Public Comment_12-03-24 – Richardson
48) Mountain Pure CP Public Comment_12-03-24 – Rodkey
49) Mountain Pure CP Public Comment_12-03-24 – Snyder
50) Mountain Pure CP Public Comment_12-03-24 – Toborg
51) Mountain Pure CP Public Comment_12-03-24 – Williams
52) Mountain Pure CP Public Comment_12-03-24 – Wiltshire
53) Mountain Pure CP Public Comment_12-04-24 – Andrews
54) Mountain Pure CP Public Comment_12-04-24 – Lloyd
55) Mountain Pure CP Public Comment_12-05-24 – Dodson
56) Mountain Pure CP Public Comment_12-05-24 – Leatherman
57) Mountain Pure CP Public Comment_12-05-24 – Rice
58) Mountain Pure CP Public Comment_12-05-24 – Smith
59) Mountain Pure CP Public Comment_12-05-24 – Wenner A
60) Mountain Pure CP Public Comment_12-05-24 – Wenner B
61) Mountain Pure CP Public Comment_12-05-24 – Wenner D
62) Mountain Pure CP Public Comment_12-05-24 – Wenner R
63) Mountain Pure CP Public Comment_12-06-24 – Burton
64) Mountain Pure CP Public Comment_12-06-24 – Lewis
65) Mountain Pure CP Public Comment_12-06-24 – Maples
66) Mountain Pure CP Public Comment_12-06-24 – Speaks
67) Mountain Pure CP Public Comment_12-06-24 – Wilcox
68) Mountain Pure CP Public Comment_12-06-24 – Williams
69) Mountain Pure CP Public Comment_12-07-24 – Baracka
70) Mountain Pure CP Public Comment_12-07-24 – Bigler
71) Mountain Pure CP Public Comment_12-07-24 – Cook
72) Mountain Pure CP Public Comment_12-07-24 – Everingham
73) Mountain Pure CP Public Comment_12-07-24 – Roth
74) Mountain Pure CP Public Comment_12-07-24 – Tremba
75) Mountain Pure CP Public Comment_12-08-24 – Berzinskas
76) Mountain Pure CP Public Comment_12-08-24 – Cope
77) Mountain Pure CP Public Comment_12-08-24 – Cross
78) Mountain Pure CP Public Comment_12-08-24 – Cullum
79) Mountain Pure CP Public Comment_12-08-24 – E Temple
80) Mountain Pure CP Public Comment_12-08-24 – Force
81) Mountain Pure CP Public Comment_12-08-24 – Fury
82) Mountain Pure CP Public Comment_12-08-24 – Gutierrez
83) Mountain Pure CP Public Comment_12-08-24 – Hudkins
84) Mountain Pure CP Public Comment_12-08-24 – Hudson
85) Mountain Pure CP Public Comment_12-08-24 – Johnston
86) Mountain Pure CP Public Comment_12-08-24 – Kavaldjian-Liskey
87) Mountain Pure CP Public Comment_12-08-24 – McGowen
88) Mountain Pure CP Public Comment_12-08-24 – Mullis

**24-6-SP - Mountain Pure Concept Plan Public Comment Index**

89) Mountain Pure CP Public Comment_12-08-24 – Roberts
90) Mountain Pure CP Public Comment_12-08-24 – Sarich
91) Mountain Pure CP Public Comment_12-08-24 – Smiles
92) Mountain Pure CP Public Comment_12-08-24 – Sullivan
93) Mountain Pure CP Public Comment_12-08-24 – Yates
94) Mountain Pure CP Public Comment_12-09-24 – Adams
95) Mountain Pure CP Public Comment_12-09-24 – Adams-Chatham
96) Mountain Pure CP Public Comment_12-09-24 – Armstrong
97) Mountain Pure CP Public Comment_12-09-24 – Bergman
98) Mountain Pure CP Public Comment_12-09-24 – Bivens
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100) Mountain Pure CP Public Comment_12-09-24 – Bowers
101) Mountain Pure CP Public Comment_12-09-24 – Busch-Terman
102) Mountain Pure CP Public Comment_12-09-24 – Cartwright
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104) Mountain Pure CP Public Comment_12-09-24 – Condon M 1
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106) Mountain Pure CP Public Comment_12-09-24 – Craig
107) Mountain Pure CP Public Comment_12-09-24 – Dillow
108) Mountain Pure CP Public Comment_12-09-24 – Dunson
109) Mountain Pure CP Public Comment_12-09-24 – Ellifritz
110) Mountain Pure CP Public Comment_12-09-24 – Faircloth
111) Mountain Pure CP Public Comment_12-09-24 – Foster
112) Mountain Pure CP Public Comment_12-09-24 – Fraley Sr
113) Mountain Pure CP Public Comment_12-09-24 – Fraley
114) Mountain Pure CP Public Comment_12-09-24 – Grantham B
115) Mountain Pure CP Public Comment_12-09-24 – Grantham Peggy
116) Mountain Pure CP Public Comment_12-09-24 – Grantham Phyllis
117) Mountain Pure CP Public Comment_12-09-24 – Hafer
118) Mountain Pure CP Public Comment_12-09-24 – Harris
119) Mountain Pure CP Public Comment_12-09-24 – Hatcher
120) Mountain Pure CP Public Comment_12-09-24 – Hope
121) Mountain Pure CP Public Comment_12-09-24 – Johnson
122) Mountain Pure CP Public Comment_12-09-24 – Kilmer
123) Mountain Pure CP Public Comment_12-09-24 – Kirschbaum
124) Mountain Pure CP Public Comment_12-09-24 – Kretzer
125) Mountain Pure CP Public Comment_12-09-24 – Lashley
126) Mountain Pure CP Public Comment_12-09-24 – Lindsay
127) Mountain Pure CP Public Comment_12-09-24 – Lloyd
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129) Mountain Pure CP Public Comment_12-09-24 – May
130) Mountain Pure CP Public Comment_12-09-24 – McCormack
**131) Mountain Pure CP Public Comment_12-09-24 – McKinney**
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139) Mountain Pure CP Public Comment_12-09-24 – Reifer
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148) Mountain Pure CP Public Comment_12-09-24 – Teacher
149) Mountain Pure CP Public Comment_12-09-24 – Thomas
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152) Mountain Pure CP Public Comment_12-09-24 – Vertino
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155) Mountain Pure CP Public Comment_12-09-24 – Wertman
156) Mountain Pure CP Public Comment_12-09-24 – White L
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167) Mountain Pure CP Public Comment_12-10-24 – B Temple
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189) Mountain Pure CP Public Comment_12-10-24 – Clarke
190) Mountain Pure CP Public Comment_12-10-24 – Cooper J
191) Mountain Pure CP Public Comment_12-10-24 – Cooper K
192) Mountain Pure CP Public Comment_12-10-24 – Copenhaver A
193) Mountain Pure CP Public Comment_12-10-24 – Copenhaver T
194) Mountain Pure CP Public Comment_12-10-24 – Cox
195) Mountain Pure CP Public Comment_12-10-24 – Curtis
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198) Mountain Pure CP Public Comment_12-10-24 – Davis P
199) Mountain Pure CP Public Comment_12-10-24 – DeGraf
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209) Mountain Pure CP Public Comment_12-10-24 – Driscoll K
210) Mountain Pure CP Public Comment_12-10-24 – Duchaine
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241) Mountain Pure CP Public Comment_12-10-24 – Herrera J
242) Mountain Pure CP Public Comment_12-10-24 – Hite
243) Mountain Pure CP Public Comment_12-10-24 – Holland
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301) Mountain Pure CP Public Comment_12-10-24 – Rawlings
302) Mountain Pure CP Public Comment_12-10-24 – Reifer
303) Mountain Pure CP Public Comment_12-10-24 – Reinhart
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305) Mountain Pure CP Public Comment_12-10-24 – Robertson K
306) Mountain Pure CP Public Comment_12-10-24 – Robertson L
307) Mountain Pure CP Public Comment_12-10-24 – Robison
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318) Mountain Pure CP Public Comment_12-10-24 – Smith B
319) Mountain Pure CP Public Comment_12-10-24 – Smith C
320) Mountain Pure CP Public Comment_12-10-24 – Smith R
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322) Mountain Pure CP Public Comment_12-10-24 – Spreen
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324) Mountain Pure CP Public Comment_12-10-24 – Stewart
325) Mountain Pure CP Public Comment_12-10-24 – Straus
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330) Mountain Pure CP Public Comment_12-10-24 – Van Mecl
331) Mountain Pure CP Public Comment_12-10-24 – Vertino
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333) Mountain Pure CP Public Comment_12-10-24 – White
334) Mountain Pure CP Public Comment_12-10-24 – Wilkinson
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336) Mountain Pure CP Public Comment_12-10-24 – Wimer
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341) Mountain Pure CP Public Comment_12-10-24 – Jefferson County Historic Landmark Commission
342) Mountain Pure CP Public Comment_12-10-24 – Preservation Alliance of West Virginia
343) Mountain Pure CP Public Comment_12-10-24 – Jefferson County Farmland Protection Board
344) Mountain Pure CP Public Comment_12-10-24 – West Virginia Rivers Coalition
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25 November 2024

Jefferson County Planning Commission
116 E. Washington Street
Charles Town, WV 25414

RE: Revised Concept Plan for Water-Bottling Plant in Middleway

To Whom It May Concern:

I commend you for rejecting the first concept plan for the proposed water-bottling plant in Middleway. I now request that you also deny the new version of the plan, in which the applicant clarifies the development will extract groundwater for bottling. Groundwater extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone, it is prohibited in all zones.

In addition, the revised plan continues to show semi-truck traffic on our village roads, which are inadequate to handle the size or volume. The placement of a traffic light at the corner of Leetown Road and Route 51 will do nothing to mitigate the damage that this traffic will cause the village. An alternate route is needed to accommodate a facility that plans 400+ trailer parking spaces.

Agreeing to replace wells within 1000 feet of the site for 2 years is also inadequate. The depletion of the groundwater will occur as long as the plant operates – longer than 2 years – and will also affect farms and homes located outside the ½ mile radius shown.

There is no mention of remediation for the sinkholes that are likely to form when the water table drops, nor has the containment of production wastes been mentioned.

Lastly, the applicant has not engaged the community in any capacity. I cannot see how the significantly fewer jobs now planned will outweigh dry wells, sinkholes, and untenable traffic.

If the planning commission decides to accept this concept plan and give direction to the applicant to continue to the site plan stage, please place the following condition on your direction:
***This development shall not use groundwater for any use including but not limited to bottling.***

Thank you for considering my comments.

Respectfully,

SLCovello

Suzanne Covello
7124 Queen Street
Middleway, WV 25430

**From:** Planning Department
**To:** "Laura Degenhardt"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Monday, November 25, 2024 9:17:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your letter in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Laura Degenhardt <lmeadva@yahoo.com>
Sent: Sunday, November 24, 2024 2:04 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Laura Degenhardt
lmeadva@yahoo.com

**From:** Planning Department
**To:** "Russell E. Green SR"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Monday, November 25, 2024 9:20:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your letter in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Russell E. Green SR <Rgreen5327@aol.com>
Sent: Sunday, November 24, 2024 8:17 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Russell E. Green SR
Rgreen5327@aol.com

**From:** Planning Department
**To:** "Dolores Gregory"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Monday, November 25, 2024 9:15:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your letter in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Dolores Gregory <dwgregory2008@gmail.com>
Sent: Sunday, November 24, 2024 1:37 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

I understand Groundwater Extraction is not a permitted use in any zone in Jefferson County and don't understand why the Commission would consider it, given the strain it will place on local farmers and residents. I am writing to urge the commission to deny this application.

Given the dry conditions we have experienced recently and can expect to experience in the future as climate change continues to disrupt normal weather patterns, it would be foolhardy to approve an industrial operation that will literally suck the water out of the ground and away from the farmers who grow our food as local wineries, horse farms, and other operations that compose a critical element of the regional economy -- not to mention the impact it could have if it contributes to water rationing for nearby residents

I understand the desire to create new industry in the county, but the impact of this operation would be severe and it would be foolhardy to approve it.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Dolores Gregory
Shepherdstown

--
Dolores Gregory

dwgregory2008@gmail.com

**From:** Planning Department
**To:** "Christina Melocik"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Monday, November 25, 2024 9:16:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your letter in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Christina Melocik <chris.tiny@comcast.net>
Sent: Sunday, November 24, 2024 1:38 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Christina Melocik
chris.tiny@comcast.net

**From:** Planning Department
**To:** "Carlo Olivares"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Monday, November 25, 2024 10:24:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your letter in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Carlo Olivares <Cboli0100@gmail.com>
Sent: Monday, November 25, 2024 10:24 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Outside of the zoning you have to consider how terrible this project is from an environmental, cultural, and historic viewpoint. Middleway is a beautiful historic town and this facility does not add value to this character but rather creates a gross stain that slowly devours it to a dilapidated state. The facility will extract water from the ground and sell it back to us as if access to water should be through private means and not a public good. No doubt they will advertise it as "fresh Mountain water" with logos and pictures of the cleanest environmental landscape. The truth behind it is that this company is destroying a local community just like Soda manufacturers do in Mexico. This bottling plant is backwards and wrong outright and you know it.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Carlo Olivares
Cboli0100@gmail.com

**From:** Planning Department
**To:** "gaila poston"
**Subject:** RE: Sidewinder Enterprises LLC
**Date:** Monday, November 25, 2024 9:12:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your letter in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** gaila poston <gailaposton@gmail.com>
**Sent:** Sunday, November 24, 2024 9:32 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Sidewinder Enterprises LLC

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
I plan to attend the next workshop and I may speak. But right now I think that the planning commission should really take a look at Sidewinders financial stability and integrity. I have listened to enough news now to understand that we can't have our village ruined by some fly by night outfit. Is this the kind of business Jefferson county even wants to be associated with? I see a real mess in the making if we allow these crooks to continue.

**From:** Planning Department
**To:** "Lisa Radler"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Monday, November 25, 2024 9:20:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your letter in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Lisa Radler <lisar2213@gmail.com>
Sent: Sunday, November 24, 2024 3:05 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Lisa Radler
lisar2213@gmail.com

**From:** Planning Department
**To:** "John Spears"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Monday, November 25, 2024 9:55:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your letter in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: John Spears <jnsiii125@gmail.com>
Sent: Monday, November 25, 2024 9:42 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Multiple rural areas in New England have already experienced ground water depletion following unrestricted water extraction and bottling. I find it extraordinarily ill-advised to contemplate repeating their mistake here in Jefferson County, especially in the middle of an on-going drought. The proposal that our ground water should be "mined" and sold for private profit, thus threatening existing wells in Middleway and elsewhere in the county, should be denied. Thus, I respectfully request that the proposed development be prohibited from using groundwater for any purpose whatsoever, including for bottling purposes.

Thank you for accepting my comments. I respectfully request that you consider these comments as you review this proposal.

Sincerely,

John V. Spears, Shepherdstown

--
John Spears
jnsiii125@gmail.com

**From:** Planning Department
**To:** "David Ward"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Monday, November 25, 2024 9:18:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your letter in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: David Ward <dward@earthwardconsulting.com>
Sent: Sunday, November 24, 2024 2:41 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

We had a similar situation in Loudoun County where the applicant was seeking to "can" water being withdrawn from the limestone conglomerate, a karst geology, north of Leesburg. The water extraction operation use is not a permitted use under AR-1 zoning. The wells were approved for agricultural use and Loudoun County recently ordered preliminary and permanent injunction against Earth's Brew.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

David Ward
38659 Bolington Rd

Lovettsville, VA 20180

--
David Ward
dward@earthwardconsulting.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:29 AM
**To:** David Barrett
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: David Barrett <barrett20099@comcast.net>
Sent: Sunday, December 1, 2024 2:23 PM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
David Barrett
barrett20099@comcast.net

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:31 AM
**To:** Susan Biggs
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: Susan Biggs <Susanbiggs@aol.com>
Sent: Sunday, December 1, 2024 8:33 PM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Susan Biggs
Susanbiggs@aol.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:26 AM
**To:** James Broomall
**Subject:** Re: Letter concerning Middleway

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

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**From:** James Broomall <jbroomal@shepherd.edu>
**Sent:** Thursday, November 28, 2024 10:41 AM
**To:** Planning Department
**Subject:** Letter concerning Middleway

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Dear Members of the Planning Commission:

I hope this email finds you well, and Happy Thanksgiving. Please find attached my letter of concern regarding the proposed pipeline and development that will impact Middleway. Thank you for your time and consideration.

Sincerely,

James J. Broomall, Ph.D.
Associate Professor of History
Director of the Robert C. Byrd Center for Congressional History and Education and the George Tyler Moore Center for the Study of the Civil War
Shepherd University
Shepherdstown, WV 25443
304.876.5701

*Private Confederacies: The Emotional Worlds of Southern Men as Citizens and Soldiers* (UNC Press, 2019)
https://www.uncpress.org/book/9781469651989/private-confederacies/

Co-edited with William A. Link, *Rethinking American Emancipation: Legacies of Slavery and the Quest for Black Freedom* (Cambridge University Press, 2016)
https://www.cambridge.org/core/books/rethinking-american-emancipation/D6B280360ED11EA46B1041DCA4C3C879

SHEPHERD
UNIVERSITY

27 November 2024

To Whom It May Concern:

I am writing to express my deep concerns about the proposed pipeline route passing through Middleway, West Virginia, and its potential adverse effects on the community's historic structures, landmarks, and cultural heritage. As a resident of nearby Shepherdstown, and a passionate advocate for the preservation of our shared history as well as a professor of history at Shepherd University, I urge all involved parties to carefully consider the following key issues before proceeding with this project.

The proposed pipeline route comes alarmingly close to several historically significant structures, including the Masonic Hall, Union Church, Episcopal Church, Sam Stone's Tavern, and the Civil War Hospital, that are central to Middleway's rich history. These buildings are irreplaceable cultural treasures, and any damage to them—whether directly or through proximity to construction activity—could have irreparable consequences. Many of these historic buildings are closely situated to the existing roads that the increase in truck and heavy vehicle traffic associated with the proposed pipeline construction would directly impact. It is concerning that representatives from Sidewinder Enterprises dismissed community concerns regarding the risk of traffic-related damage to these structures. The narrow roads in Middleway, combined with an influx of heavy truck traffic, pose a real threat to both homes and historic buildings. The risk of these structures being struck or undermined by increased traffic is far too great to ignore. The worth of these landmarks cannot be overstated, as they represent the foundation of Middleway's identity and heritage.

Sidewinder Enterprises does not seem to understand the potential impact of this development. Indeed, during the public workshop held on November 12th, they confirmed that they do not plan to conduct an archaeological or historical impact study for the proposed pipeline route. This decision is deeply troubling, especially considering the potential for significant damage to historical artifacts and structures. I strongly suggest

a comprehensive historical and archaeological assessment of the area to ensure that we fully understand the scope of the impacts before any construction begins. It is additionally important to highlight that the area in question is part of the Battle of Smithfield, a significant Civil War event that extended across all of Middleway, including the proposed pipeline route. It is crucial that the community's concerns are met with more than a cursory response.

In light of these concerns, I strongly recommend the addition of a bypass road to divert truck and heavy vehicle traffic away from the village of Middleway. Such a solution would not only mitigate immediate risks to the community's historic structures but also address the anticipated increase in traffic as the facility becomes operational. By keeping large vehicles out of this village, we can protect the historic buildings and the overall character of the community for future generations.

The concerns outlined above represent a genuine and heartfelt request to protect Middleway's historical integrity. This community's cultural heritage and its residents deserve thoughtful consideration and action to safeguard the future of this unique community. I strongly urge all decision-makers involved in this project to work with local historians, archaeologists, and community members to ensure that any development preserves the rich history of Middleway.

Thank you for your time and consideration. I hope that, together, we can find a solution that honors the past while accommodating the needs of the future.

Sincerely,



James J. Broomall, Ph.D.
Associate Professor of History
Director of the Robert C. Byrd Center for Congressional History and Education and the George Tyler Moore Center for the Study of the Civil War
Shepherd University
Shepherdstown, WV 25443

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:30 AM
**To:** Miriam Caprio
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: Miriam Caprio <dineywall@frontiernet.net>
Sent: Sunday, December 1, 2024 4:01 PM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Miriam Caprio
dineywall@frontiernet.net

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:28 AM
**To:** John deupree
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: John deupree <jldeupree@gmail.com>
Sent: Saturday, November 30, 2024 9:58 AM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project

CurrentlyGroundwater Extraction is not a permitted use in any zone in Jefferson County, and it should remain that way. Ground water is a common ownership commodity and taking it for private gain is a zero sum game. Whatever is taken, is no longer available for other uses. This is both a moral and economic failure.

the idea of considering this seems particularly shortsided given the commissions broadscale acceptance of rapid housing growth, which alone will strain resources.

Beyond that, there is a very real economic cost of reducing habitat for other species, all of whom also require water.

Thank you for your consideration

Sincerely,

John Deupree

--
John deupree

jldeupree@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:27 AM
**To:** Emily Dragon
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: Emily Dragon <emmilely@gmail.com>
Sent: Friday, November 29, 2024 9:58 PM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Emily Dragon
emmilely@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:29 AM
**To:** Catherine Grim
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: Catherine Grim <kcgrim.writer@gmail.com>
Sent: Sunday, December 1, 2024 1:23 PM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Catherine Grim
kcgrim.writer@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 10:58 AM
**To:** 'Calore Hale'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Calore Hale <ccncjhale@comcast.net>
Sent: Monday, December 2, 2024 10:41 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Calore Hale
ccncjhale@comcast.net

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:25 AM
**To:** Linda Layne
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: Linda Layne <llayne53@gmail.com>
Sent: Wednesday, November 27, 2024 12:21 PM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

To Whom it May Concern,
Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway. Please do not approve the water bottling facility!

It will also contaminate our wells with cancer causing PVAS which is in the water bottling facility area, left over from the 3M plant that used to operate exactly where the water bottling facility will be.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones. If you approve of this action what will happen to our ground water? As a farmer, I rely upon my well water. I cherish and use my water sparingly. I do all I can to conserve my precious water, especially now with the drought conditions that we have been dealing with for months. Water used or extracted, is not easily replaced, especially during a drought. Not to mention, the extracting of underground water from a previously occupied 3M company! I may not be a scientist, but I am aware of toxic wastewater 3M has buried and supposedly encased in underground caverns. Just how long until there is an, "Opps" and that contaminating water mixes with the surrounding clean wa ter?

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling. I cannot stress this enough.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Linda J. Layne

--
Linda Layne
llayne53@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:27 AM
**To:** Lindsay McLaughlin
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____
From: Lindsay McLaughlin <lindsay.mclaughlin66@gmail.com>
Sent: Friday, November 29, 2024 7:47 PM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Hello,
I was at the meeting on November 12 and was one of the 56 folks who spoke. It seems that it is time to speak again.

The Mountain Pure Water Bottling Facility in Middleway is a bad idea on many levels. Approving the concept plan is a huge disservice, and a harm, to the citizens of Jefferson County. Fortunately, groundwater extraction is not a permitted use in any zone in Jefferson County, so the commissioners have more than sufficient reason to deny the Pure Water Bottling Facility Concept Plan.

In these times of climate and economic instability we must, for the good of all of us, consider the value of water and its meaning. Water is necessary for life and it is freely given. It shows up in our streams, wells, lakes--from which we use it for living. Citizens of Jefferson County depend on that water for our farms, our lives. It's for all of us, and we need to care for it, especially in times of drought and when more people than ever live here and need water. So why does a corporation have the right to take that water, which is free for the common good, put it in plastic bottles, and sell it for a price higher than gasoline? They are going to make all kinds of money from this source of life for the people who live here. That's a travesty. Not only that, but this facility will put that water in single-use plastic, which makes Jefferson County complicit in negatively impacting our environment. None of us want that.

Maybe you feel like you "must" accept this version of the concept plan. But you can still stop it by placing a condition on your direction that requires that the development not use groundwater, period, for any use and especially not bottling.

Sincerely,

Lindsay McLaughlin
66 Shepherd Village Circle
Shepherdstown, WV
240-421-1342

--
Lindsay McLaughlin
lindsay.mclaughlin66@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:28 AM
**To:** Mark Muse
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: Mark Muse <1xmmuse@gmail.com>
Sent: Sunday, December 1, 2024 9:36 AM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

My following comments are on the concept plan for the Mountain Pure Water Bottling Facility in Middleway or any other commercialization of our groundwater.

Since we have no recent groundwater assessment and given that most residents rely on groundwater for their homes, it would be irresponsible in the extreme to permit such activity in the county. Also Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--

Mark Muse
1xmmuse@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:28 AM
**To:** rebecca phipps
**Subject:** Re: Water bottling facility/comments

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

---

**From:** rebecca phipps <beckyphipps502@gmail.com>
**Sent:** Saturday, November 30, 2024 9:47 AM
**To:** Planning Department
**Subject:** Water bottling facility/comments

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Greetings, Rebecca Phipps here, yet again, to communicate my negative "vote" for the water bottling facility. It's just hard to understand how you, the planning committee as well as the county commission, could think that this undertaking is in any way a good thing for the county. If you have any sway at all against this huge undertaking that as far as I can see, will do nothing for the county itself, please do it. But, if the property is still zoned industrial from back in the 3M days and the Sidewinder company already owns the property, is there very much that anyone can do? Even so, for the love of God, please do what you can to keep this looming nightmare from becoming a reality.
Rebecca Phipps
Shepherdstown

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 2:07 PM
**To:** 'Ali Printz'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Ali Printz <aliprintz@gmail.com>
Sent: Monday, December 2, 2024 2:04 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Ali Printz
aliprintz@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:27 AM
**To:** Leah Rampy
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: Leah Rampy <leah.rampy9@gmail.com>
Sent: Friday, November 29, 2024 10:36 AM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Water is a critical resource for the well-being of all citizens and for our entire ecosystem. I am asking that you do everything in your power to lean toward protecting our water instead of toward garnering a profit from it. It's not difficult to imagine a time in the near future when drought could put our county at risk. If we choose profit over life, we imperil our future.

Sincerely,

--
Leah Rampy

leah.rampy9@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:30 AM
**To:** Carolyn Rodis
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: Carolyn Rodis <Cjrodis@yahoo.com>
Sent: Sunday, December 1, 2024 2:30 PM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Carolyn Rodis
Cjrodis@yahoo.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 2:07 PM
**To:** 'Jerry Shutts'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Jerry Shutts <shuttsy60@gmail.com>
Sent: Monday, December 2, 2024 10:28 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Jerry Shutts
shuttsy60@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 10:58 AM
**To:** 'Trudy Shutts'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Trudy Shutts <jesse1154@frontiernet.net>
Sent: Monday, December 2, 2024 10:27 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Why would you consider allowing a company from California to come into our county and cause massive damage to the people that live here?
It's just so wrong to even consider it! It not only will cause our wells to run dry, plus cause sink holes to the old homes in Middleway!!! We do not have access to any other water supply!

I beg you to deny this plan!!!

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely, from a very frightened Middleway citizen!!

--
Trudy Shutts
jesse1154@frontiernet.net

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 1:14 PM
**To:** 'Valerie Smith'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Valerie Smith <vs901@comcast.net>
Sent: Monday, December 2, 2024 12:20 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Valerie Smith
vs901@comcast.net

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 1:14 PM
**To:** 'Elizabeth Wheeler'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Elizabeth Wheeler <ewheelerwv@yahoo.com>
Sent: Monday, December 2, 2024 12:51 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Dear Commissioners, Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Addtionally, the proposed extraction for export as outlined in the concept plan would have a negative and damaging effect on area residents and farmers who rely on wells, and cascading effects on the groundwater that moves through the county's complex karst geology. The high rate of water extraction also would degrade and inevitably destroy the unique wetland system in and around Lake Louise, a globally rare ecosystem type with marl wetlands with rare plants, turtles and other species of concern. The site is included in the state's Conservation Focus Area (CFA) Plan.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,  Elizabeth Wheeler

--
Elizabeth  Wheeler
ewheelerwv@yahoo.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 9:52 AM
**To:** Donna Yaros
**Subject:** Re: Object to bottling plant

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____
From: Donna Yaros <donnayaros52@gmail.com>
Sent: Monday, December 2, 2024 9:46 AM
To: Planning Department
Subject: Object to bottling plant

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Ground water extraction will minimize availability of water throughout Jefferson County. Ground water should be protected for farming, livestock and rural residential use.

Please listen to our voices!

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:31 AM
**To:** George J. Caprio, Jr.
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: George J. Caprio, Jr. <geocap@frontiernet.net>
Sent: Sunday, December 1, 2024 11:33 PM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
George J. Caprio, Jr.
geocap@frontiernet.net

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 9:52 AM
**To:** Constance Sheffer
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: Constance Sheffer <sue.sheffer@gmail.com>
Sent: Monday, December 2, 2024 8:21 AM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Constance Sheffer

sue.sheffer@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Monday, December 2, 2024 8:30 AM
**To:** Richard Urban
**Subject:** Re: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

**Categories:** Jennilee Task

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

_____

From: Richard Urban <richardurban888@urbangrocery.com>
Sent: Sunday, December 1, 2024 8:22 PM
To: Planning Department; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Richard Urban
richardurban888@urbangrocery.com

**From:** Planning Department
**To:** James Reifer
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 4, 2024 9:58:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: James Reifer <James.reifer@yahoo.com>
Sent: Tuesday, December 3, 2024 5:01 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept our comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting our comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely, James and Catherine Reifer

--
James Reifer
James.reifer@yahoo.com

**From:** Planning Department
**To:** Joanne Bario
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 4, 2024 9:59:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Joanne Bario <joannebario@gmail.com>
Sent: Tuesday, December 3, 2024 5:27 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones. This is a tremendous danger to our ground water supply for the entire county. The proposed facility is huge, and, frankly, an attempt at theft of a natural resource that belongs to the residents of this county and this state, not to any private corporation.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling. No private use of our public water resources. Please.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely, Joanne Bario

--
Joanne Bario
joannebario@gmail.com

**From:** Planning Department
**To:** Sarah Burdick
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 4, 2024 9:58:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Sarah Burdick <areluctantnecessity@gmail.com>
Sent: Tuesday, December 3, 2024 5:06 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Sarah

--
Sarah Burdick
areluctantnecessity@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Tuesday, December 3, 2024 9:40 AM
**To:** 'Abe Drechsler'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Abe Drechsler <abrahamdrechsler@gmail.com>
Sent: Monday, December 2, 2024 7:21 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Abe Drechsler
abrahamdrechsler@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Tuesday, December 3, 2024 4:01 PM
**To:** 'Charlotte Fremaux'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Charlotte Fremaux <cmfremaux@gmail.com>
Sent: Tuesday, December 3, 2024 3:31 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

It is said that we all drink from the same tap. Our groundwater is a precious and essential resource that we all share. Share. That means when an outside company comes in and plans to use our shared resource for their own profit, without considering what that will mean to the availability or quality, it is a threat to the wellbeing of the entire community. That includes you, our commissioners.
We are already under virtual assault by the sheer number of houses being built, whose residents will also drink from the shared tap. There has so far been no accountability for the use and safety of our water supplies. It is incredibly unwise to allow a for-profit company to take our water when we have faced months of drought, and our farmers and citizens depend on water being available for their lives and livelihoods. You propose a short-term gift to a for-profit company that has no responsibility to protect our common resource. I vehemently object to this project. It is against common sense and threatens the entire community.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Charlotte Fremaux
cmfremaux@gmail.com

**From:** Planning Department
**To:** Dennis Hatcher
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 4, 2024 9:59:00 AM

---

Good morning,

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Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Dennis Hatcher <dgeraldh@frontiernet.net>
Sent: Tuesday, December 3, 2024 5:58 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Dennis Hatcher
dgeraldh@frontiernet.net

**From:** Planning Department
**To:** Ruth Hatcher
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 4, 2024 9:59:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Ruth Hatcher <ruthhatcher756@hotmail.com>
Sent: Tuesday, December 3, 2024 5:57 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Ruth Hatcher
ruthhatcher756@hotmail.com

## Planning Department

**From:** Planning Department
**Sent:** Tuesday, December 3, 2024 12:30 PM
**To:** 'Debora Henry'
**Subject:** RE: Mountain Pure Concept Plan

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Debora Henry <dnghenry@yahoo.com>
**Sent:** Tuesday, December 3, 2024 11:45 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Mountain Pure Concept Plan

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Debora Henry
6876 Leetown Road
Kearneysville, WV 25430
dnghenry@yahoo.com

Jefferson County Planning Commission
Attn: Michael Shepp, President
116 E. Washington St.
Charles Town, WV 25414
planningdepartment@jeffersoncountywv.org

December 3, 2024

## RE: Notice of Mountain Pure Concept Plan, File # 24-SP

Dear Mr. Shepp:

This letter is in response to the Mountain Pure Concept Plan resubmission subsequent to the Jefferson County Planning Commission meeting recommendation held on November 12, 2024.

I am a resident of the Middleway district and very near the proposed water source for the water bottling plant. I am strongly opposed to the water bottling plant because it will have dire effects to this community, indeed, all of Jefferson County. As you know, many experts have studied Jefferson County's Karst topography, water access, water levels, wells, ground and water contamination, water shed flow, and sink holes. These studies alone should warrant a denial of the Mounty Pure Concept Plan by the Jefferson County Planning Commission. The concern that WV law allows for a property owner to "use" the property resources is a poor justification to approve the concept plan because Mountain Pure is a business that will pump water from wells drilled in a residentially zoned area to the bottling plant located in an industrially zoned area. Mountain Pure will sell the water, not "use" it. Additionally, Mountain Pure must address the use of plastic water bottles. Will the plastic water bottles be manufactured at this location in a future phase? Plastics are a world environmental concern. Mountain Pure has promised to drill free wells to adversely effected residents in a small radius limited to two years after start up. Mountain Pure has knowledge that this plant will cause our wells to dry up.

The Jefferson County Planning Commission must deny the Mountain Pure Concept Plan to protect the life sustenance of the Jefferson County residents, their water and their wells.

Sincerely,

Debora Henry

## Planning Department

**From:** Planning Department
**Sent:** Tuesday, December 3, 2024 4:01 PM
**To:** 'Brian Lowery'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Brian Lowery <illpass@comcast.net>
Sent: Tuesday, December 3, 2024 3:51 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Putting a bottling plant near Middleway is a disaster in the making. In addition to what it would do to our local ground water, there are serious concerns about all the heavy truck traffic. First, it is a real safety hazard to people and property, but it would also tear-up the local roads.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Brian Lowery

--
Brian Lowery
illpass@comcast.net

## Planning Department

**From:** Planning Department
**Sent:** Tuesday, December 3, 2024 9:41 AM
**To:** 'Joseph Naputi'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Joseph Naputi <joenaps1973@gmail.com>
Sent: Monday, December 2, 2024 9:28 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely, Joseph Naputi

--
Joseph Naputi
joenaps1973@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Tuesday, December 3, 2024 9:40 AM
**To:** 'Steven Ontiveros'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Steven Ontiveros <steveopdx@gmail.com>
Sent: Monday, December 2, 2024 6:48 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Steven Ontiveros
steveopdx@gmail.com

**From:** Planning Department
**To:** Charles Printz
**Subject:** RE: Water Bottling Facility Comment Plan
**Date:** Wednesday, December 4, 2024 10:00:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Charles Printz <chazzdog47@aol.com>
Sent: Tuesday, December 3, 2024 8:54 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: Water Bottling Facility Comment Plan

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

I request that new version of the concept plan for the Mountain Pure Water Bottling Facility at Middleway be refused by the Planning Commission be refused for the following reasons:

1. The extraction of an enormous amount of groundwater for bottling will stress the availability of groundwater in neighboring parcels for agriculture and residential homes. The County is in the process of studying the availability of groundwater and that process should be completed and the findings reviewed and confirmed before a project of this size and impact is considered.

2. As has been noted in numerous comments, groundwater extraction is not allowed in any County zones, so the revised concept plan can be rejected for that reason alone. Only if the operation would not use groundwater in any fashion should this proposal be allowed to continue to the site plan stage.

3. As an attorney I was counsel in litigation involving alleged groundwater contamination of a parcel bordering Turkey Run and adjacent to the former 3M plant. Testing revealed evidence of TCE and other pollutants in plumes beneath the property. While there is distance between these areas and the wells proposed by the developer, the geology is karst, and the migration of contaminated water, especially with significant groundwater draw down, cannot be predicted or controlled. Without further study, the concept plan should be rejected.

4. Finally, the construction of a bottling plant in this area of the County is without supporting infrastructure. With other development in the County, impact fees have lagged, and citizens have opposed development because of the physical strain on existing roads and infrastructure. The same problem exists with this project. The residents of Middleway should not have to absorb major truck traffic on the small rural roads.

I appreciate your serious consideration of these points.

Chazz Printz

**From:** Planning Department
**To:** Donna Printz
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 4, 2024 10:00:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Donna Printz <Wvbiker98@aol.com>
Sent: Tuesday, December 3, 2024 9:24 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Water is a precious commodity and should not be considered for anything like a water bottling facility business..much less by an out of state company.
The water in the area being considered is also suspect for contaminates and could harm the aquifer that provides water for local homeowners in the Middleway area and for agricultural industry.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Donna Printz

Wvbiker98@aol.com

## Planning Department

**From:** Planning Department
**Sent:** Tuesday, December 3, 2024 9:40 AM
**To:** 'Patti Richardson'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good afternoon,

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Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Patti Richardson <B1pilotlover@yahoo.com>
Sent: Monday, December 2, 2024 8:59 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Patti Richardson
B1pilotlover@yahoo.com

**From:** Planning Department
**To:** Wendy Rodkey
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 4, 2024 10:00:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Wendy Rodkey <Rodkey321@comcast.net>
Sent: Tuesday, December 3, 2024 9:29 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely, Wendy

--
Wendy Rodkey
Rodkey321@comcast.net

**From:** Planning Department
**To:** Susan Snyder
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 4, 2024 9:58:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Susan Snyder <susan@snyders.us>
Sent: Tuesday, December 3, 2024 5:05 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones. Using ground water will cause a water problem in Jefferson County- that will seriously impact the residents.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Susan Snyder

--
Susan Snyder
susan@snyders.us

## Planning Department

**From:** Planning Department
**Sent:** Tuesday, December 3, 2024 3:16 PM
**To:** 'Mary Toborg'
**Subject:** RE: Proposed water bottling plant

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Mary Toborg <toborgmd@yahoo.com>
**Sent:** Tuesday, December 3, 2024 2:05 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Proposed water bottling plant

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Dear Planning Commission:

I urge you to reject the proposal to build a water bottling plant on the outskirts of the Middleway Historic District. As a long-time property owner on Queen Street in the Historic District, I am very concerned about the increased traffic the proposed plant will generate. Middleway already experiences a high volume of traffic. The increased traffic from trucks going to and from the proposed plant would be especially problematic for Middleway's historic structures which abut the road. Vibrations from truck traffic can cause cracks in foundations and walls of historic buildings, among other damage. Rejection of the proposed water bottling plant will avoid such undesirable outcomes to the Historic District's homes. If, however, the proposal is approved in some form, I urge that a bypass be built around the Historic District. A bypass would allow trucks from the bottling plant to reach Route 51 without the need to travel through the Historic District.

A second concern about the proposed plant is the plan to use groundwater from wells as the water source. Removing such a large amount of water from wells increases the risk of sinkholes developing, given the Karst hydrogeology of the area. Moreover, the current plan calls for building a pipeline through Middleway's Historic District. The proposed pipeline would go past two historic churches, a former parsonage, a large home that was an inn for travelers before the Civil War, a building that was pressed into service as a hospital during the Civil War, and other historic structures. Construction of the proposed pipeline risks damaging these structures. This is still another reason to reject the proposed water bottling plant.

Sincerely,

Mary Toborg

Sent from Yahoo Mail for iPad

**From:** Planning Department
**To:** Margaret Williams
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 4, 2024 9:59:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Margaret Williams <bugettap12@gmail.com>
Sent: Tuesday, December 3, 2024 8:30 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.
With continued drought the outrageous current housing development and proposed housing,our systems ,our farms ,our roads and our water supply are already at risk.
Sincerely,
Peggy Williams

--
Margaret Williams
bugettap12@gmail.com

## Planning Department

**From:** Planning Department
**Sent:** Tuesday, December 3, 2024 9:40 AM
**To:** 'James Wiltshire'
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: James Wiltshire <mwilts@comcast.net>
Sent: Monday, December 2, 2024 7:42 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Residents and farms rely on the ground water supply TO EXIST and any threat to that water supply is denying their right to exist as free citizens.
Water is taken for granted and the government of Jefferson County must prioritize the availability of water for its citizens and taxpayers.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
James Wiltshire
mwilts@comcast.net

**From:** Planning Department
**To:** Ryan Andrews
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 4, 2024 10:03:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Jennilee Hartman, Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Ryan Andrews <Andrewsholymatrimony@gmail.com>
Sent: Wednesday, December 4, 2024 9:23 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Ryan and Taylor Andrews

--
Ryan Andrews
Andrewsholymatrimony@gmail.com

**From:** Planning Department
**To:** "Nicole Lloyd"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 4, 2024 2:20:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Nicole Lloyd <levelgreenfarmwv@gmail.com>
Sent: Wednesday, December 4, 2024 2:19 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

In addition to the below comments, I would like to add that as a farmer, I am personally concerned about the timing of this facility, on the heels of a historic drought.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Nicole Lloyd
levelgreenfarmwv@gmail.com

**From:** Planning Department
**To:** "Tammy"
**Subject:** RE: Middleway stop Mountain Pure Bottling Facility
**Date:** Thursday, December 5, 2024 9:31:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Tammy <tammydodson@comcast.net>
Sent: Thursday, December 5, 2024 8:01 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: Middleway stop Mountain Pure Bottling Facility

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

I am a resident of Midway. I have been here a midwife for around 30 years. I am sending this email to let you know that I would like you to reject the proposed plan for the Mountain Pure water bottling facility. I would like you to reject it because the concept plan does not conform to the zoning ordinance and that the ground water should be protected by rural residence, farmers and ranchers. There is a lot of farmland and pasture in Middleway that is home to cows, horses, goats, pigs, chickens, etc. and we need to make sure that the water that these animals are drinking is safe and is there for them when needed. Ther There is a lot of history here in Middleway. It's a very historical little village. We need to protect this ground and keep it just as it is for the future of the next generation. But if you must accept the concept plan, we are asking for conditions from the company. We need to make sure that our drinking water is safe to drink. We need the waters and the test that they have done by a company that is not affiliated with mountain Pure Water bottling facility. We need to protect our water and our wetlands.

Thank you

Tammy Dodson

Sent from my iPhone

**From:** Planning Department
**To:** "Dale Leatherman"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Thursday, December 5, 2024 2:21:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Dale Leatherman <dale.leatherman@gmail.com>
Sent: Thursday, December 5, 2024 1:24 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Many homeowners in Jefferson County depend on wells. As residents of Kearneysville, we certainly do. This plan to extract OUR groundwater could negatively impact the entire county. We all know the county is riddled with caves. There is a sealed cavern under Charles Town where people used to travel by boat all the way to Summit Point. The preliminary reports of this project's impact are very alarming. They would extract more water in a day than the whole county currently uses! And it's possible that the extraction would stir up chemicals from the Kodak plant era and permanently pollute nearby wells. Draining water from caverns could lead to sudden sinkhole collapses, a hazard to farmers. This is not a good plan for a rural county.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Dale Leatherman
dale.leatherman@gmail.com

**From:** Planning Department
**To:** "mrice21@frontiernet.net"
**Subject:** RE: Regarding: Public Workshop: Mountain Pure Concept Plan for a major site development
**Date:** Thursday, December 5, 2024 11:37:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** mrice21@frontiernet.net <mrice21@frontiernet.net>
**Sent:** Thursday, December 5, 2024 11:33 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Regarding: Public Workshop: Mountain Pure Concept Plan for a major site development

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Jefferson County Planning Commission
116 E Washington St.
Charles Town WV 25414

## Regarding: Public Workshop: Mountain Pure Concept Plan for a major site development

Dear Planning Commissioners,

On behalf of myself and my wife Faith, we **strongly oppose** the approval of this proposed project.

Most importantly, it puts our residential water supply at risk.

From chemical contamination of existing known industrial contaminants within the 3M property

From low to no flow to existing residential wells

Violates current laws governing removing resources (water) for commercial use

Because of controversy over water use, the project devalues residential property values

I appeal to this board to put the citizens of Jefferson County, especially the residents Middleway, ahead of any consideration to approve the bottling plant construction. Protect us from huge corporate entities who will deplete our water supply, impact the environment and forever change the character of a historic village.

If approved this board must ensure safeguards are in place by requiring:

The Parent company (NOT a subsidiary or shell company) to be liable for damage to current

residential water supply. For the entire catchment area not just a limited boarder around the plant.

In the event of well water flow or contamination issues. the parent company must pay 100% of the cost to replace well water access with connection to municipal water sources. This includes excavation, piping and hookup to the residence.

The Parent company (NOT a subsidiary or shell company) must pay for resident well chemical water analysis by an **independent third party,** to ensure well water is safe to consume and free of hazardous contaminants, on an annual schedule. Testing is not to be done from test wells but the residential wells impacted.

Do not be persuaded with promises of revenue to the county and job creation. This company is short lived and after taking all the resources it can get, it will close its plant just like the previous owners. The citizens of Middleway however are generational **tax payers who look to you for their protection.**

- Thank the decision-makers for their time and consideration.

**From:** Planning Department
**To:** "Zachary Smith"
**Subject:** RE: Reject Mountain Pure Water Bottling Facility in Middleway
**Date:** Thursday, December 5, 2024 11:24:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Zachary Smith <smithz@alum.mit.edu>
**Sent:** Thursday, December 5, 2024 11:15 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Reject Mountain Pure Water Bottling Facility in Middleway

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Dear Planning Commission,

My name is Zachary Smith. My family has lived in Middleway/Smithfield since my great^7 grandfather John settled it. I grew up throwing football and shooting starlings from the high wires on Queen St.

Middleway will always be my home and likely the home of my descendants for generations to come.

Please, reject the proposed Mountain Pure Water Bottling Facility in Middleway. Their plan does not conform to the zoning ordinance. Additionally, risking the well water (aka 'staple of life') of my family is not acceptable.

For once, show the people of your county that you're not actually a **corrupt** organization, who doesn't listen to its residents. Yes, I used that word.

Sincerely,
Zachary Smith

**From:** Planning Department
**To:** "Anthony Wenner"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Thursday, December 5, 2024 11:46:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Anthony Wenner <awenner96@gmail.com>
Sent: Thursday, December 5, 2024 11:45 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Anthony Wenner
awenner96@gmail.com

**From:** Planning Department
**To:** "Brian Wenner"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Thursday, December 5, 2024 11:49:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Brian Wenner <Bwenner21@gmail.com>
Sent: Thursday, December 5, 2024 11:50 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Brian Wenner
Bwenner21@gmail.com

**From:** Planning Department
**To:** "Debra Wenner"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Thursday, December 5, 2024 11:12:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Debra Wenner <dawenner23@yahoo.com>
Sent: Thursday, December 5, 2024 10:13 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Consideration of this permit is outrageous after the past year of unprecedented drought. This permit must be denied.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Debra Wenner
dawenner23@yahoo.com

**From:** Planning Department
**To:** "Emily Wenner"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Thursday, December 5, 2024 11:49:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Emily Wenner <Emmawenner1@gmail.com>
Sent: Thursday, December 5, 2024 11:49 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Emily Wenner
Emmawenner1@gmail.com

**From:** Planning Department
**To:** "christina burton"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:17:00 AM

---

Good morning,

This email is to confirm receipt of your submission. Please allow for a minimum of 10 business days for our review.

Thank you and have a nice day.

ColinUhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: christina burton <burton.christina@yahoo.com>
Sent: Friday, December 6, 2024 7:00 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
christina burton
burton.christina@yahoo.com

**From:** Planning Department
**To:** "Alecia Lewis"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Friday, December 6, 2024 9:01:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Alecia Lewis <leshi417@yahoo.com>
Sent: Friday, December 6, 2024 1:35 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Alecia Lewis
leshi417@yahoo.com

**From:** Planning Department
**To:** "Ewell Maples"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Friday, December 6, 2024 12:07:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Ewell Maples <Maples39@yahoo.com>
Sent: Friday, December 6, 2024 11:43 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Ewell Maples
Maples39@yahoo.com

**From:** Planning Department
**To:** "Rusty Speaks"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Friday, December 6, 2024 12:05:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Rusty Speaks <mammabear2175@yahoo.com>
Sent: Friday, December 6, 2024 11:40 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Rusty Speaks
mammabear2175@yahoo.com

**From:** Planning Department
**To:** "Mary Wilcox"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Friday, December 6, 2024 2:23:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Mary Wilcox <Mmwilcox5050@gmail.com>
Sent: Friday, December 6, 2024 1:34 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Mary Wilcox
Mmwilcox5050@gmail.com

draft

December 10, 2024

Jefferson County Planning Commission
116 E Washington St.
Charles Town, WV 25414
Sent By Electronic Mail

**Regarding: Public Workshop: Mountain Pure Concept Plan for a Major Site Development.**

Dear Planning Commissioners,

The undersigned are a group of property owners, residents, and business owners who stand to be highly impacted by this development at the old 3M/Eastman Kodak Facility, extraction of groundwater for bottling, the pipeline for moving water, and the truck traffic the development will generate. As a highly impacted group we ask that you give the following comments significant consideration as you contemplate how to address the submitted concept plan.

Groundwater extraction is not a principal permitted use in any zone in Jefferson County. We are concerned groundwater extraction for this purpose, will have a negative impact on the groundwater availability in this area of the county. All farms and residents in this area rely on groundwater. Water availability for agriculture, livestock, and rural residential use should not be jeopardized in favor of extraction for bottling. Farmers, horseman, and other rural property owners should not incur the cost of drilling new ever deeper wells to access water. We believe these are the reasons that water extraction as a land use was left a non-permitted use in all zones by the Zoning Ordinance.

The new concept plan indicates that an underground pipeline will be installed to carry the water from the wells near lake Louise to the facility at the 3M plant. We have concerns about the impacts of the waterline on the Middleway Historic District, this historical buildings, and berried human remains that may be located in the path of the waterline. This should be addressed before the concept plan is allowed to continue to the site plan stage.

Finally, we are concerned about the traffic impacts the development would bring to the Middleway Historic District and the surrounding rural area. Currently, vehicular access to the facility requires either navigating through the Middleway Historic District or many miles of small rural roads. We are concerned that the increased volume of traffic and the size and weight of the trucks traveling to and from the plant will negatively impact safety, damage the roads, and lead to damage of the historical resources we are dedicated to preserving.

We ask that the concept plan be denied because groundwater extraction is not a permitted use in any zoning in Jefferson County. If you choose to accept the concept plan and give the developer direction to continue to the Site Plan stage, we ask that you place the following conditions on your direction:

1. Groundwater shall not be used for any use related to this development or its future use including but not limited to bottling.
2. If a water line shall be placed even if no groundwater is used then no water line shall be placed through the Middleway Historic District.

draft

3. A road should be built as the cost of the developer that provides direct access from the facility to route 51 that is capable of accommodating all traffic to and from the subject facility.

These conditions are based in the Jefferson County Zoning and Land Development ordinance and therefore do not need to be voluntary according to the Jefferson County Land Development Regulations Section 24.121 A and B.

Thank you for considering these comments.

Sincerely,

Norma Williams

Marilyn Williams
93 Mason Farm Dr.
Kearneysville, WV 25430

HARRISBURG PA 171
4 DEC 2024 PM 1 L



Jefferson County Planning Commission
116 E. Washington St.
Charles Town WV. 25414

RECEIVED
DEC - 6 2024
JEFFERSON COUNTY
ENGINEERING, PLANNING AND ZONING

25414-100401

**From:** Planning Department
**To:** "Wendy Baracka"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:22:00 AM

---

Good morning,

This email is to confirm receipt of your submission. Please allow for a minimum of 10 business days for our review.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Wendy Baracka <wendy.baracka@gmail.com>
Sent: Saturday, December 7, 2024 1:12 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Our residents, farmers, and livestock need our water and it is not available nor ok to exploit our valuable resource for profit.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Wendy Baracka
wendy.baracka@gmail.com

**From:** Planning Department
**To:** "Julianne Bigler"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:21:00 AM

---

Good morning,

This email is to confirm receipt of your submission. Please allow for a minimum of 10 business days for our review.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Julianne Bigler <juliannewiegand09@gmail.com>
Sent: Saturday, December 7, 2024 12:10 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Julianne Bigler

--
Julianne Bigler
juliannewiegand09@gmail.com

**From:** Planning Department
**To:** "Mike Cook"
**Subject:** RE:
**Date:** Tuesday, December 10, 2024 10:29:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Mike Cook <michael.cook.46@gmail.com>
**Sent:** Saturday, December 7, 2024 8:04 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:**

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

I am writing to voice my concern about the proposed water bottling facility planned for Middleway. I am a lifelong resident of Jefferson County and my grandparents and parents farmed here for decades. I fear the extraction of millions of gallons of water per day will adversely affect the farms in that part of our county especially considering the drought we have already been experiencing. Groundwater should and must be protected for farming purposes and livestock.
Thank you for considering these concerns.

Susan Banks Cook

**From:** Planning Department
**To:** "Richard & Sara Everingham"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:26:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Richard & Sara Everingham <sara.r.everingham@gmail.com>
Sent: Saturday, December 7, 2024 6:16 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Richard & Sara Everingham
sara.r.everingham@gmail.com

**From:** Planning Department
**To:** "Alden Roth"
**Subject:** RE: Water Bottle Facility Comments and Concerns
**Date:** Tuesday, December 10, 2024 10:24:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Alden Roth <aldenroth@gmail.com>
**Sent:** Saturday, December 7, 2024 5:01 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; Donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
**Subject:** Water Bottle Facility Comments and Concerns

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
To whom it may concern,

West Virginia has a history of allowing extractive industries to come in and take whatever they want from our earth, using and abusing both the land and our people along the way, and then leaving everything in ruin when they've made as much money as they can. Jefferson County should learn from our state's past and stop the proposed water bottling facility on Middleway.

I'm a small business owner and I'm all for bringing in new businesses that will be good for the community, but it is your job as planning commissioners to make sure that this business is actually good for the community. When was the last comprehensive ground water study done? 2012 is what I've heard. A lot has happened in this county since 2012. We've welcomed explosive housing development and population growth, all while getting rid of the impact fee, causing local tax payers to foot the bill for things that developers and new residents should be paying for. Shady back door deals brought in an industrial plant that is actively contaminating the water table and polluting the air out near Kearneysville, threatening the health of its neighbors.

Should a water bottling facility be allowed to set up shop in our county? No. we have to act with diligence and research, not with haste and dollar signs for eye balls. We need to make sure that the ground water of our county, which hasn't seen significant precipitation since August, can actually support the needs of a water bottle facility, not to mention all the new and proposed housing developments across the county. We need comprehensive water table and environmental impact studies to be done before the commission considers letting the business set up for a few years and make a quick buck. We can't let them suck up all the ground water, leaving us quite literally high and dry, forcing our citizens to pay extra for bottled water that should rightfully be coming out of their taps and wells.

The residents of Middleway are rightfully frightened about their wells going dry, and some half-hearted promises to replaces wells for a mere 20 residents within a half mile radius won't fix much. To think that an imaginary half mile boundary is as far as the water will be sucked for this well, you are either foolish or you're in on the game.

At the November Meeting, lots of concessions were asked of Sidewinder LLC, and they denied to make any of them. This corporation doesn't care about our community, about our county. It wants our precious resources, and as soon as it has sucked the well dry, it will pack up and leave. If they actually cared about your constituents, they would meet with them, make amends, concessions, and compensations. But all they want is to make as much money with our water. They DO NOT care about us. Listen to your constituents and don't let them in.

Thank you,

Alden Roth
Charles Town Resident of 20 years
Member, Charles Town Parks and Recreation Board

---

**Alden Roth**
*Adventure Filmmaker*
Owner & Cinematographer at Rocketfuel Studios
Co-owner & Executive Director of Filmed By Bike

@aldenroth2
304-871-3050
aldenroth@gmail.com

Remember to get some fresh air today!

**From:** Planning Department
**To:** "Randall Tremba"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:27:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Randall Tremba <randytremba@me.com>
Sent: Saturday, December 7, 2024 7:46 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

To whom it may (and should) concern:

We can live without bread and milk for a long time. Even without oil. But we can't live without water. Please do not jeopardize our sources of clean water in Jefferson County. Do not approve the commercial use of our aquifier.

Thank you.

Randall Tremba
Shepherdstown

--
Randall Tremba
randytremba@me.com

**From:** Planning Department
**To:** "Stephen Berzinskas"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:33:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Stephen Berzinskas <sberzinskas@comcast.net>
Sent: Sunday, December 8, 2024 3:24 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Stephen Berzinskas
sberzinskas@comcast.net

**From:** Planning Department
**To:** "Cortney Cope"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:56:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Cortney Cope <Dragonrider904@hotmail.com>
Sent: Sunday, December 8, 2024 9:20 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Cortney Cope
Dragonrider904@hotmail.com

**From:** Planning Department
**To:** "Gregory Cross"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:53:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Gregory Cross <Budstercross@gmail.com>
Sent: Sunday, December 8, 2024 8:40 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Gregory Cross
Budstercross@gmail.com

**From:** Planning Department
**To:** "Georgia Cullum"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:36:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Georgia Cullum <georgialevathes@frontiernet.net>
Sent: Sunday, December 8, 2024 3:30 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Georgia Cullum
georgialevathes@frontiernet.net

**From:** Planning Department
**To:** "E Temple"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:39:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: E Temple <Ltemple030711@icloud.com>
Sent: Sunday, December 8, 2024 4:12 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan. Please deny this!!!!!

Sincerely,

--
E Temple
Ltemple030711@icloud.com

**From:** Planning Department
**To:** "Jeffrey"
**Subject:** RE: Regarding Protecting Our Local Community and Our Safe Water Supply
**Date:** Tuesday, December 10, 2024 10:47:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Jeffrey <jeffrey.b.force@gmail.com>
**Sent:** Sunday, December 8, 2024 5:59 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Regarding Protecting Our Local Community and Our Safe Water Supply

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
To the Jefferson County Planning Commission:

It has recently come to my attention that Jefferson County is considering the possibility of a water bottling plant near Middleway.

In light of the considerable details regarding this project, I believe it would be helpful for the community to consider a number of questions:

Do we want to endanger a reliable and healthy water supply for our neighborhoods?

Do we want to encourage industrial corporate waste at the cost of safe roads and stable traffic patterns?

Do we want to discourage agriculture and food supply from local farms?

Do we want to disrupt our ecology and ecological systems?

Do we want to sell out our stewardship of natural resources to make money for other people?

I think that if these factors are considered it should be obvious what the answer to this bottling plant will be.

**Please continue to say no to the bottling plant** in order to say yes to the people who benefit so much from the resources given to us in Jefferson County and so that we can together say

yes to many generations of healthy water supply for ourselves and our posterity.

Sincerely,
Jeffrey Force
resident of Jefferson County since 2015

**From:** Planning Department
**To:** "Robert Fury"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:31:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Robert Fury <Robertf@henleyconstruction.com>
Sent: Sunday, December 8, 2024 1:57 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Robert Fury
Robertf@henleyconstruction.com

**From:** Planning Department
**To:** "Judith Gutierrez"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:40:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Judith Gutierrez <Jgv3790@gmail.com>
Sent: Sunday, December 8, 2024 4:14 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Judith Gutierrez
Jgv3790@gmail.com

**From:** Planning Department
**To:** "Emily Hudkins"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:37:00 AM

---

Good morning,

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Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Emily Hudkins <emily.j.cumberland@gmail.com>
Sent: Sunday, December 8, 2024 3:57 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Emily Hudkins, Lifelong Jefferson County Resident

--
Emily Hudkins
emily.j.cumberland@gmail.com

**From:** Planning Department
**To:** "Stephen Hudson"
**Subject:** RE: OPPOSED - Mountain Pure Water
**Date:** Tuesday, December 10, 2024 10:57:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Stephen Hudson <wvshudson@frontiernet.net>
**Sent:** Sunday, December 8, 2024 10:19 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** OPPOSED - Mountain Pure Water

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

I wish to go on the record in opposition of the Mountain Pure Water Bottling Facility in Middleway. I have lived on Old Middleway Road for over 35 years. I know what the water situation is in this county. We cannot allow the quantities of water under consideration to be extracted from our local water table and risk the loss of well water and the natural drought reserves we currently have. We also run the risk of sinkholes expanding and opening under peoples properties. This entire county is riddled with underground streams and caves. Need I remind you all of the caverns under Charles Town and Ranson? I urge you to deny any planning authorizations and permits applied for regarding these proposals.

Thank you for your kind attention.

Stephen Hudson

140 Old Middleway Road, Middleway.

**From:** Planning Department
**To:** "Victoria Johnston"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:50:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Victoria Johnston <Danavickij@comcast.net>
Sent: Sunday, December 8, 2024 6:10 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

As someone who has lived here since 1978 and a tax payor I am very concerned about the impact the Mountain Pure Water Bottling Facility will have on our counties water supply,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Victoria Johnston
Danavickij@comcast.net

Tamar Kavaldjian-Liskey

33 Farnsworth Court

Gerrardstown, West Virginia 25420

SENT BY EMAIL

December 8, 2024

Jefferson County Planning Commission

Jefferson County, West Virginia

Re: Mountain Pure Major Site Plan – Concept Plan Comments

Dear Planning Commission Members:

Thank you for the opportunity to provide written comments on the Mountain Pure Major Site Plan – Concept Plan. My father-in-law lives in Jefferson County and farms on land that adjoins Lake Louisa and portions of Turkey Run. My husband and I spend a great deal of time on the farm and have enjoyed the natural springs, woods, and pastures while birdwatching, hunting, gardening, and helping with the cattle. I am writing as a concerned in-law and person that has enjoyed the rural landscape and lifestyle of Jefferson County over the last ten years.

In accordance with Subdivision and Land Development Regulations for Jefferson County, as amended on July 11, 2024, a Concept Plan shall be denied if there are factors that make the development impossible. In the case of the Mountain Pure Concept Plan, the underlying premise for developing the water bottling plant is based on the use of water that has been permitted on land that is classified as rural/residential (Parcel 34 in the Concept Plan). The well permit for Parcel 34 does not include the use of water for commercial purposes. With this major discrepancy and legal conundrum, the Concept Plan cannot be implemented. I urge the Planning Commission to deny the Concept Plan because development of the water bottling plant is impossible without the identification of a source of water that complies with State regulations.

In addition, with the unique karst topography, underground streams and water sources, and movement of underground water (and specifically in the vicinity of Lake Louisa and the contaminated plume under the former 3M plant), it is more and more urgent for the Planning Commission to understand the County's underground water sources to ensure clean water is available for residents and agricultural users in Middleway and throughout the County.

Prior to additional consideration of the Mountain Pure Concept Plan for a water bottling plant, I recommend that a comprehensive geohydrology, water availability, and water quality report be prepared by the U.S. Geological Survey, much like the water report the Jefferson County Commission and West Virginia Department of Natural Resources commissioned in 1991 (Kozar, M. D., et al. 1991) (Water-Resources Investigations Report 90-4118). An updated geohydrology, water availability, and water quality report would provide much needed information to citizens, planners, and Commissioners to inform future land uses and growth in Jefferson County and the appropriateness or lack of appropriateness of a water bottling plant in the County.

Again, thank you for the opportunity to comment. If you would like additional information, please contact me at (703) 216-2565.

Sincerely,

Tamar Kavaldjian-Liskey

**From:** Planning Department
**To:** "Elizabeth McGowen"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:51:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Elizabeth McGowen <efmcgowen@yahoo.com>
Sent: Sunday, December 8, 2024 6:32 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.
This proposal is beyond stupid. It is a threat to the way of life in this county. Imagine the water is gone for the residential and agricultural folks relying on wells - into millions of plastic bottles exported out of the county- Who knows? Is this project intended to be a plant for soda pop production? Then another corporate water company can come in and SELL water to farmers, horsemen and residents. Say goodbye to farms and horsemen and the support farms and services that are part of the agricultural economy.

Sincerely,

--
Elizabeth McGowen

efmcgowen@yahoo.com

**From:** Planning Department
**To:** "Diana Mullis"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:44:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Diana Mullis <dianamullis7@gmail.com>
Sent: Sunday, December 8, 2024 4:21 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Please reject this concept plan. Extracting water from our karst land endangers our wells, our farms and our futures.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Diana Mullis
dianamullis7@gmail.com

**From:** Planning Department
**To:** "Linda Roberts"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:35:00 AM

---

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Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Linda Roberts <llr5504@gmail.com>
Sent: Sunday, December 8, 2024 3:26 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Linda Roberts
llr5504@gmail.com

**From:** Planning Department
**To:** "Scott Sarich"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:55:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Scott Sarich <scottsarich@gmail.com>
Sent: Sunday, December 8, 2024 8:50 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Scott Sarich

--
Scott Sarich
scottsarich@gmail.com

**From:** Planning Department
**To:** "willed-nervous.1l@icloud.com"
**Subject:** RE: Opposition to Water Bottling Facility
**Date:** Tuesday, December 10, 2024 10:52:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: willed-nervous.1l@icloud.com <willed-nervous.1l@icloud.com>
Sent: Sunday, December 8, 2024 8:17 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: Opposition to Water Bottling Facility

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners/Department:

Please deny Sidewinder Enterprises' plans and permits for the former 3M facility and related properties.

Even the predicted lowest levels of groundwater extraction by the operation raises numerous concerns for groundwater quantity and quality in the nearby agricultural areas and, given the our area's karst geology, in a much wider portion of our county.

A thorough, unbiased (not an organization selected by Sidewinder) groundwater study for the County should be the first step before even attempting to address any other issue related to the land use and operations proposed by Sidewinder.

Thank you.

Robert Smiles Jr.

Shepherdstown WV

**From:** Planning Department
**To:** "Martha Sullivan"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:32:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Martha Sullivan <sullivanmartha1@gmail.com>
Sent: Sunday, December 8, 2024 3:21 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Martha Sullivan
sullivanmartha1@gmail.com

**From:** Planning Department
**To:** "Irene Yates"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 10:45:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Irene Yates <Yatesfamily1987@gmail.com>
Sent: Sunday, December 8, 2024 4:46 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Irene Yates
Yatesfamily1987@gmail.com

**From:** Planning Department
**To:** "Nancy Adams"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:04:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Nancy Adams <Redd69bugg@aol.com>
Sent: Sunday, December 8, 2024 5:44 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Nancy Adams
Redd69bugg@aol.com

**From:** Planning Department
**To:** "Mary Adams-Chatham"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:08:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Mary Adams-Chatham <madamschat2@gmail.com>
Sent: Monday, December 9, 2024 9:46 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

As a landowner, farmer, and concerned citizen, I am terrified that a massive water extraction project could be considered in our county. The karst geology of our area would seem especially unsuited for this kind of project. The fact that the county hasn't done a comprehensive study of the current water use is alarming with the amount of development that is proposed our area. Adding a plant that could extract limitless water, adding to the extraordinary amount of residential development, seems like it is a guarantee that we will experience water shortages in the future. And for what? Why in the world would any county want to do this? Our leaders in government seem to want to fly blind and see what happens. It is not a responsible way to govern and protect our valuable resources!
Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Mary Adams-Chatham

--
Mary Adams-Chatham
madamschat2@gmail.com

**From:** Planning Department
**To:** "Johnna Armstrong"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:37:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Johnna Armstrong <johnna25443@gmail.com>
Sent: Monday, December 9, 2024 10:38 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

I'm writing to comment on the concept plan for a Mountain Pure Water Bottling facility in Middleway. For several reasons, it is not workable for our County and its residents and I hope will you will deny it.

As far as I'm aware, Groundwater Extraction is not currently a permitted use for any zone in the County, and it should remain prohibited.

I'm worried that this plant will create water shortages for residents at the expense of the plant. Will taxpayers have to pay for infrastructure and roads to accommodate this new plant?

As I understand it, the assessment that was done uses old numbers for the County population. The current population numbers are much higher and we are still growing.

Our County does not have the human and budgetary resources to oversee and ensure that the plant abides by the plan. Once built, we may not be able to reign in future expansion.

Our goal should be working to attract businesses with a low impact on our County resources that don't destroy the beauty of our landscape or kill tourism in our region.

Thank you very much for your attention to my comments.

--
Johnna Armstrong
johnna25443@gmail.com

**From:** Planning Department
**To:** "Windsong Bergman"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:03:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Windsong Bergman <bergmanwindsong@yahoo.com>
Sent: Sunday, December 8, 2024 8:54 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

I am a citizen of Jefferson County. I was born here and grew up here. Please stop this dangerous use of our water resources! We need our water for our farms and our homes. This facility is way too big to be a good fit for our county.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Windsong Bergman
bergmanwindsong@yahoo.com

**From:** Planning Department
**To:** "Connie Bivens"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:29:00 AM

---

Good morning,

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Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Connie Bivens <cshirbiv@gmail.com>
Sent: Monday, December 9, 2024 9:45 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Connie Bivens
cshirbiv@gmail.com

**From:** Planning Department
**To:** "Brad Blickenstaff"
**Subject:** RE: Concept Plan - 24-6-SP - Mountain Pure Bottling Facility
**Date:** Tuesday, December 10, 2024 12:07:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Brad Blickenstaff <bdblick1@gmail.com>
**Sent:** Monday, December 9, 2024 4:41 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Cc:** CJ Blickenstaff <cjblickenstaff@gmail.com>
**Subject:** Concept Plan - 24-6-SP - Mountain Pure Bottling Facility

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

To Whom It May Concern,

I am writing to voice my opposition to the proposed bottling facility for Middleway. I have reviewed the revised concept plan and do not believe the applicant has adequately addressed concerns surrounding the groundwater recovery rates for the well. Specifically, the applicant is claiming the height of the water at the well will drop over 11 feet in the next 30 years. I challenge that figure due to the fact that they are basing this hypothetical recovery rate on historical data. This region is now trending strongly toward less rainfall based on current climate change studies. I am worried about the future viability of current residential wells in the area due to the volume of extraction. Another serious concern is the inevitable and unneeded release of a currently stable pollution plume at the old 3M facility in the groundwater. My third and final concern that I feel must be considered is that the company is proposing to drill to a depth of approximately 225 feet after finding water at three shallower depths with a pump depth of only 80 feet. This implies that they will be pumping water from all three underground supplies. I am concerned that, by doing so, they increase the flow of groundwater toward the well, which will erode the sub-surface limestone at an extraordinarily high rate, causing a drastic increase in sinkhole damage for residents. As a company based out of Newport Beach, CA, I simply do not feel they have the best interests of the residents of Jefferson Co in mind. We are already having to deal with the mistakes of the past (the existing pollution of the former 3M facility); please do not compound the problem for a company that only wants to profit off of OUR irreplaceable natural resources. I respectfully request you deny Concept Plan 24-6-SP.

Local Jefferson Co Resident,
Bradley Blickenstaff, MS OSH
Cell - 585-689-3149

**From:** Planning Department
**To:** "Larry Bowers"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 12:18:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Larry Bowers <lbowers@citlink.net>
Sent: Monday, December 9, 2024 7:24 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Larry Bowers
lbowers@citlink.net

**From:** Planning Department
**To:** "Maureen Busch-Terman"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:51:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Maureen Busch-Terman <mbuschterman@yahoo.com>
Sent: Monday, December 9, 2024 12:30 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely, Maureen Busch-Terman

--
Maureen Busch-Terman
mbuschterman@yahoo.com

**From:** Planning Department
**To:** "Hoss Cartwright"
**Subject:** RE: Mountain Pure
**Date:** Wednesday, December 11, 2024 12:46:00 PM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Hoss Cartwright <rmcracing69@hotmail.com>
**Sent:** Monday, December 9, 2024 11:24 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Mountain Pure

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

According to West Va code §98A-2-110 "planning commissioners powers and duties"
(8) *Make recommendations to the appropriate governing body concerning planning and*
(12) *Invoke any legal, equitable or special remedy for the enforcement of the provisions of this article or any ordinance, rule and regulation or any action taken there under.*
In previous hearings, comments from the commissioners were "we will catch it at the permit stage…" which is adverse to the above code. The Commission has the authority to reject all or part of the Comprehensive Plan.

The commission should do due diligence, and reject this plan due to failure to follow county ordinances as it regards to Chapter §8A-3-1 Purpose and goals of a comprehensive plan.
(c) *A comprehensive plan must promote the health, safety, morals, order, convenience, prosperity and general welfare of the inhabitants, as well as efficiency and economy in the process of development.*

Ground water extraction is not principal permitted use in any zone in Jefferson County. By the zoning ordinance. Approval cannot be granted under this zoning ordinance.

§8A-3-1(d)(4) *Create conditions favourable to health, safety, mobility, transportation, prosperity, civic activities, recreational, educational, cultural opportunities and historic*

*resources.*

As an inhabitant of Middleway, I see no prosperity nor conducive to my general welfare. There is no favourable economic outcome of my property value.

I have owned my property for over 35 years and my peace and quiet was all I ever looked for when I chose this property. My property value will suffer with 24 hour a day operations. This time of year, it is pitch black when the kids get on the bus and would be dangerous for those kids waiting at the bus stops. Any child hurt is too many. The intersection of 51 and Lee Town Road/Queen Street is quite dangerous and is not a 90º intersection. My daughter has already been involved in a vehicle accident at this intersection due to poor visibility.

When 3M was in operation, my neighbour lost their well after 3M Plant drilled one of their wells on 3M property. I know this is a real concern for me and my neighbours.

On December 9th, I received in the mail, Mountain Pure's information brochure. I have so many questions. They claim under their Project Benefits, "the proposed project will be among the highest annual tax-paying companies in Jefferson County." How? Where are the facts proving this statement true.
"Is looking forward to partnering with a multitude of nonprofits." Given an example, GSCNC (Girl Scouts), they sponsored 2024 Women of Distinction Luncheon." Ok, a luncheon. What benefit did the Girl Scouts troops in Jefferson County receive? GSCNC is national, not exactly directly affecting Jefferson County Girl Scouts.
"Supported Jefferson County FFA and 4-H through the Jefferson County Fair Association's Annual Bake Sale." So, you bought something at a bake sale. I am sure a lot of people of bought items at the Fair Bake Sale, I know I have. I can't help to think Mountain Pure must think we are clueless, but I can assure you that we will fight every blatant "snow job" coming from Mountain Pure.

In this brochure, Mountain Pure states they conducted a study on the quality of the water on site. Who did the study, where was the study done, and how long was the study conducted? Who paid the for study? If it was Mountain Pure, how can we believe this was a fair, comprehensive study?

Mountain Pure states that the transported waterline from Lake Louise to Mountain has been approved by the WV Department of Highways. Where is the approval document? As the Commission, you should request the actual document, not take the word of Mountain Pure.

Mountain Pure states private wells within a half mile OF THE SUPPLY WELL shall be regularly monitored. A baseline study shall be established prior to the start of operations. Who is monitoring? Who does this impact? Can you show on a site map, locating the affected areas

and property owners.

Mountain Pure conducted and completed a traffic study in Middleway which states it was approved by the WV Department of Highways. Where is the study? Have you seen the study? When was the study done and for how long and exactly which roads were studied?

Mountain Pure states they will be making employment opportunities for Jefferson County. Exactly how many jobs? Can you guarantee a percentage. They first stated 500 jobs, and revised to 150. Are these forever jobs, or are they just until the plant is up and running? Their number of jobs keep changing, how do we know the actual number?

Mountain Pure states they may at some point, have 3 shifts with approximately several hundred local employees. What will be the impact of three shifts, regarding traffic and road erosion. Logistics will be determined by the market. Parking lots shall be built on site. Parking lots? What about the traffic on Grace Street?

Mountain Pure states WV Department of Transportation is expected to install a new traffic signal at the Route 51 intersection and Leetown Road. Where is this in writing? This has been promised for years? Does this department have an actual date? As a Middleway resident, I will believe it, when I see it!

Mountain Pure states they don't anticipate wells to be impacted based on results from their project hydrology report, if impacts are seen by landowners within 1/2 mile radius of the project sited. Mountain Pure will provide compensation for new wells to be drilled. Provide compensation? What does that mean? Can Mountain Pure provide site map of 1/2 mile radius and the property owners that will be impacted?

Mountain Pure also states, property owners within 1,000 feet of the supply well can request a new well at any time up to 2 years after the start of plant operations. Which well? I'm not convinced there will not be multiple wells on the property including Lake Louise. The offer was at one point .5 miles (2,640 feet) so there is no confidence of who will be affected and how far away they are. Can Mountain Pure provide a site map of the property owners that could be affected?

This is just my concerns. There are so many questions regarding this Comprehensive Plan that I feel need to be answered before going any further and that is why I believe you need to reject this Plan until everyone in Middleway has been provided with independent studies, proven approval letters from WV Department of Transportation and Department of Highways, and public meetings with Middleway residents.

Middleway is a historical site nearly 300 years old. Colonial Williamsburg nearly 400 years old.

I don’t imagine Anheuser Bush beer tractor trailers are driving down the streets of Colonial Williamsburg, and neither should a commercial bottled water enterprise be driving through Middleway.

In conclusion, you have the power to reject this Comprehensive Plan and I implore you to do so. If you were a Middleway Resident, wouldn’t you want these questions and concerns of all of Middleway residents answered before you move forward?

What if you lived here?

Signed Randy and Robin Cartwright
Middleway resident

**From:** Planning Department
**To:** "STACY CHAPMAN"
**Subject:** RE: REJECT SIDEWINDER MOUNTAIN PURE
**Date:** Tuesday, December 10, 2024 12:28:00 PM

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Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** STACY CHAPMAN <tron1217@aol.com>
**Sent:** Monday, December 9, 2024 9:02 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** REJECT SIDEWINDER MOUNTAIN PURE

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

To the Planning Commission,

I am writing to you to strongly urge you to reject the Sidewinder Enterprises LLC dba Mountain Pure Bottling Facility concept plan.

As you are already aware, the Mountain Pure Bottling Facility has dire consequences for the village of Middleway and its neighbors. As you are also aware, the concept plan does not conform to the zoning ordinance and that groundwater should be protected for rural residents, farmers and ranchers. When will the next large scale commercial water extractor start pumping our precious water resource? And another after that? When will it stop? If you do not reject this

plan you are condemning all of Jefferson County, not just Middleway, to be sacrificed.

Mountain Pure claims they “shall invest heavily in the Jefferson County community and West Virginia as a good corporate citizen, commercial taxpayer, and neighbor.” They have not been good corporate citizens nor neighbors so far and their assurances that they will be in the future is absurd. Their lack of transparency and shifting narratives of their planned operation has been deceptive from the start. They go further to state “Jefferson County stands to generate millions in tax revenues to support county services for citizens”. While this may be true, the dire consequences of this revenue is placed squarely on Middleway and its neighbors. And how far will that revenue go when the residents of Jefferson County have no water for our homes, farms and ranches? When the water that they do have is polluted with cancer-causing forever chemicals? They further demonstrate their lack of concern for the community by stating that their “top priority” is “ensuring that the water utilized shall be tested regularly to maintain standards and compliance with both state and federal requirements for *bottled water*”. Good for the customers of their end product but the residents of Jefferson County will bear the brunt of a dwindling contaminated water supply.

The latest version of the concept plan now includes the parcels where water extraction will occur. Sidewinder acknowledged in the latest concept plan

that they will be using one of those parcels to pump 1000 gallons per minute or 1.44 million gallons per day. They used a Triad report that they say shows the aquifer to be adequate to supply that amount without a draw-down that would affect neighboring wells. Expert hydrologists have confirmed that there is simply not enough information in the report to say that this is true. That the report and its conclusions do not portray the picture for what ongoing pumping will do to the aquifer and where the water will come from. Their latest addition to the concept plan breaks down these numbers but they are the same meaningless numbers. There will be at least a four mile cone of depression from the extracted water and in our Karst geology, sinkholes can be easily formed as the water that is removed is not available to shore up the existing caverns.  Are you willing to risk the water supply of all of Jefferson County on a report that is fit for a housing development and not for a large commercial operation? Are you willing to risk the development of sinkholes throughout the county?  I am not willing to risk it.

**I insist and ask that you request the following conditions:**

**That a comprehensive hydrological study to assess aquifer recharge rates and broader water table dynamics be performed and the results shared publicly.**

**That the tests are performed during summer**

**and/or fall conditions to reflect recent drought severity and, to ensure water extracted during testing is completely removed from the aquifer and surface water systems.**

**That if the pumping is begun, monitor all wells within a 4-mile radius of the wellhead and provide public access to the results and to cease pumping if water levels drop below a predetermined threshold.**

The latest version of the concept plan now depicts the toxic plume of TCE and DCE (Trichloroethylene and 1,2-Dichloroethane) located under the site of their proposed operations. Both are known carcinogens. TCE can also cause health hazards to the central nervous system, kidney, immune system, male reproductive system and a developing baby. DCE can cause damage to the central nervous system, liver, kidneys and lungs. The village of Middleway lies between the pumping site and the manufacturing site. Expert hydrologists have confirmed that there is no information included in the report or packet that demonstrates how the toxins will move through our Karst geology, how fast they will move and in what quantities. Sidewinder updated the concept packet to include information on the toxic plume. They demonstrated that it exists but offer no study to show how large scale water extraction could affect the stability of the toxins. Once the toxins move through

the Karst superhighways there is no undoing the damage that will have been done. Are you willing to risk the health of Jefferson County residents and their developing babies without any scientific testing related to large scale water extraction? I am not willing to risk it.

**I insist and ask that you request the following conditions:**

**That dye testing or similar monitoring on the industrial site's wells to track the toxic plume be conducted.**
**That this study should be conducted prior to further permitting, during pumping at 1,200 gallons per minute over multiple days; that if the plume's movement is detected, halt approval and development of the site plan; that if no movement occurs, repeat the test quarterly and stop pumping if movement is later detected; and that all testing results be made public.**

The latest version of the concept plan has a differing number of parking spaces from the previous plan. How is it that they can not tell us the actual number of cars and trucks that will be added to our residential roads that were adequate for horses and wagons but not for modern heavy traffic? There is a traffic plan that shows the current problems with the traffic and calculates how the new traffic will affect the roadways. The data used in their calculations uses data from the previous

concept plan and no new data has been offered with the tractor trailer numbers they have supplied more than doubling. Based on the weight of water and the maximum load on a tractor trailer and the speed at which they travel with having to stop twice, there will be at least 4 trucks moving from the loading dock to Route 51 in one direction or another every hour of every day. This would increase to 6 if they only use half of their listed parking spaces. This also assumes no delays at the intersection of Leetown/51 or from school buses and emergency vehicles. The condition currently offered states “The owner will meet with Middleway residents to discuss traffic impact to historical structures and traffic calming prior to the submission of the site plan”. This condition is meaningless. A conversation is not protection. Every hour of every day there will be 4-6 tractor trailers along historic Middleway at one time creating noise, air-pollution, and most importantly, posing a threat to public safety of the residents walking along a road that was never designed to accommodate such traffic volumes. During peak hours this threat would increase exponentially. This is not even including the employee traffic that will be traveling along the same route. Further, the traffic plan specifically states “Developer should verify sufficiency of truck turning radii (without offtracking into opposing lane) at the affected intersections for the anticipated routing”. I can assure you that it is impossible for a tractor trailer to turn at Grace Street and Queen Street without offtracking into

an opposing lane. Are you willing to risk condemning a community to this amount of damaging, dangerous, noisy, air-polluting traffic? I am not willing to risk it.

At the last workshop, Sidewinder's representative stated that the villagers of Middleway were concerned about damage to our historic homes but that he couldn't "find any data". In the packet which he stated he read is a letter from Martin Burke from the Jefferson County Historic Landmarks Commission. In his letter, Mr Burke wrote " I believe allowing heavy truck traffic through its historic streets not only threatens the integrity of the village's architectural heritage but also poses a serious risk to the safety and well-being of the community". He further writes, "vibrations and heavy loads risk damaging delicate structures and eroding the village's historic fabric in ways that may be irreversible". He concludes by writing, "JCHLC objects to the plan" and urges the JC Planning Commission to "require an alternative route that bypasses the historic core of the village". Are you willing to risk destroying a 300 year old community that is a gem of colonial architecture and a community whose numerous residents are descendents of the original founders? I am not willing to risk it.

**I insist and ask that you request the following conditions:**

**That an independent historic preservation consultant assesses the impact of industrial and commuter traffic on the historic village and nearby**

**sites.**

**That a bypass road around the historic village and its densely populated areas be constructed; or at the very least, implement infrastructure improvements comparable to those proposed in Hillsborough during the first Public Workshop - improvements to include traffic-calming measures such as: stone walls, four-way stop signs, traffic circles, concrete cordons, roadblocks, speed cushions designed for emergency vehicles and landscaping consistent with the historic village's character.**

Middleway's historic district is listed on the National Register of Historic Places as a Historic District. This is a list of the nation's historic places worthy of preservation. It is part of a national program to coordinate and support public and private efforts to identify, evaluate and protect America's historic and archeological resources. It has deemed Middleway, its tradition, cultural heritage and historic infrastructure, as one of America's communities to be treasured and protected. The area also holds an importance as one of the significant battles in the Civil War. The battle resulted in 300 casualties and ranks in the top 3 percent of the more than 16,000 recorded armed encounters in the Civil War. The area along Grace Street and East Street was a burial field after the battle and there is documentation that shows soldiers were

buried along the route of the pipeline.

**I insist and ask that you request the following conditions:**

**That an independent archaeological study of the industrial site, well sites, and pipeline areas be performed; that the full report publicly be shared and that any identified impacts be addressed.; and to use ground-penetrating radar to survey the East/Grace Street area where soldiers are shown to be buried.**

**Create conservation easements around key areas related to the Battle of Smithfield to meet NPS ABPP requirements and ensure permanent protection of federally significant land.**

The parcels where the pumping will occur contain Marl Wetlands. These wetlands have specific soil conditions and hydrology that are a crucial part of the ecosystem. This is a highly prized ecosystem that is home to rare and endangered species of animals, plants and insects. During the drilling of the wells, they damaged the wetlands. Their sheer lack of respect for the community has already been demonstrated. Tax payers have funded a preservation of the adjoining wetlands. Will we be required to clean up their mess again? There have been no studies done by Sidewinder of the effect of the waterways down stream. How will the water that is being removed affect

the Opequon and Potomac watersheds? How will the downstream wells be affected when the large quantity of water is removed from circulation? What contaminants will flow or be dumped from the industrial site? Are you willing to risk irrevocably damaging a rare protected wetland? Are you willing to risk the water supply and possible contamination of the downstream waterways? I am not willing to risk it?

**I insist and ask that you request the following conditions:**

**That an independent study of wetland sites near Lake Louise be commissioned to evaluate existing damages and assess potential future impacts.**

**That industrial runoff and wastewater in the Opequon be monitored and findings publicly shared quarterly.**

To put it simply, this plan is wrong. It is wrong for Middleway and its neighbors. It is wrong for the county. It is wrong for the state. And all of you know it is wrong, too. In Jefferson County water extraction is not permitted in any zone. Mountain Pure is not using the water. They are taking from us what the State of West Virginia owns and allows us to use. Is the tax revenue generated worth the risk of the sacrifice of an entire community that you have promised to protect? I am not willing to risk it.

**I insist and ask that you request the following**

**condition:**

**Place rural parcels containing water sources be placed into conservation easements to protect the land now and in the future.**

Commissioner Stolipher stated publicly that the “locals” of Middleway have “some valid concerns”. Commissioner elect Mood stated publicly that there are “serious concerns”. Commissioner Hefestay cited the lack of an adequate recent water study and “obvious lack of community outreach”.

I support a business for the proposed site that respects the community and is willing to be a good steward of the land. I can not support and vehemently condemn the Mountain Pure Concept plan as not allowed with current zoning and absolutely not the right business for Middleway. Please reject the concept plan in its entirety or not allow the two additional parcels to be used for water extraction.

Bad things happen when good people do nothing. Please do something.

Thank you for your thoughtful consideration,
Stacy Chapman (Middleway resident)

**From:** Planning Department
**To:** "Marian Condon"
**Subject:** RE: Please defend public health and deny the water bottling facility
**Date:** Tuesday, December 10, 2024 11:41:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Marian Condon <mcondon54@aol.com>
**Sent:** Monday, December 9, 2024 11:13 AM
**To:** michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com; Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Please defend public health and deny the water bottling facility

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I feel it is important to keep our groundwater safe and available for local farmers and rural residents. As a public health nurse I am particularly concerned with the potential water pollution and therefore I see this as a public health issue. Safe drinking water is extremely important to all of our population, especially the more vulnerable populations, such as children, elderly and pregnant women.

Please do what is right for those you represent.

Thank you
Marian Condon
420 E. German St.,
Shepherdstown, WV 25443

**From:** Planning Department
**To:** "Marian Condon"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:40:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Marian Condon <mcondon54@aol.com>
Sent: Monday, December 9, 2024 10:57 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Please do what is right.

Sincerely,

Marian Condon
420 E. German St.
Shepherdstown WV, 25443

--

Marian Condon
mcondon54@aol.com

**From:** Planning Department
**To:** "Gillian Craig"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:43:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Gillian Craig <jillmcraig@yahoo.com>
Sent: Monday, December 9, 2024 11:29 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

I firmly believe that the days of WV resources, like electricity from solar farms and scarce water, should not be extracted to be used outside the state.

Sincerely,

--
Gillian Craig
jillmcraig@yahoo.com

**From:** Planning Department
**To:** "Katie Dillow"
**Subject:** RE: Mountain Pure
**Date:** Tuesday, December 10, 2024 12:20:00 PM

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Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Katie Dillow <katiedillow@ymail.com>
**Sent:** Monday, December 9, 2024 7:27 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Mountain Pure

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Good morning,

I want to personally oppose the Mountain Pure project in Middleway. I'm a Middleway resident and do not want this crap being brought here.

Katie Dillow
11 Marshall Street
Kearneysville 25430

Yahoo Mail: Search, Organize, Conquer

**From:** Planning Department
**To:** "boyd dunson"
**Subject:** RE: the case of middleway vs sidewinders/mountain pure...
**Date:** Tuesday, December 10, 2024 11:24:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** boyd dunson <chmeekzinti@gmail.com>
**Sent:** Monday, December 9, 2024 8:51 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** the case of middleway vs sidewinders/mountain pure...

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
...Dear Sir or Madam or other, having lived in Middleway since 1961, perched up here between Lake Louisa on the East and Middleway(and 3M) on the West, I've seen a lot of changes all around but thankfully not actually IN Middleway very much. I played in the lake and Turkey Run as a lad and tramped around them as a man. Now we must contend with these upstarts from the left coast who got the bright idea of swooping in and setting up shop, thinking these simple country folk would just roll over and take whatever they felt like doing. Well, sir, in the immortal words of Calvin Coolidge, "I'm against it." Two words: traffic and water. Too much of the former and not enough of the latter. If this proposal is put forth and passed we the people of Middleway feel the increased traffic level will be dangerous and detrimental in more ways than one. The local water table is in danger of being destabilized and the wells tapped out. Not to mention disturbing the the leftover effluvia in the ground from the old 3M plant. Please find it in your hearts and minds to stop this before it goes any further.

Thanking you in advance...
Boyd D. Dunson, Tax payer and Veteran.
'The men who hold high places, must be the ones to start...'

**From:** Planning Department
**To:** "Mary Anne Ellifritz"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 12:23:00 PM

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Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Mary Anne Ellifritz <teamteabelle@gmail.com>
Sent: Monday, December 9, 2024 7:53 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Mary Anne Ellifritz
teamteabelle@gmail.com

**From:** Planning Department
**To:** "Toni Faircloth"
**Subject:** RE: Bottling Facility
**Date:** Tuesday, December 10, 2024 12:15:00 PM

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Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Toni Faircloth <tmfaircloth@yahoo.com>
**Sent:** Monday, December 9, 2024 6:33 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Bottling Facility

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
As a Middleway resident I'm voicing my concern about the Mountain pure Bottling company. And the massive affect we will see to our local water supply. My next door neighbor had problems with his well in the drought of this summer. And I found myself conserving water fearing the same problem. We live within a mile from the location and obviously we are not interested in having this facility in our neighborhood.
Thanks for hearing our concerns, the Faircloth family

Yahoo Mail: Search, Organize, Conquer

**From:** Planning Department
**To:** "Regina Foster"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:38:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Regina Foster <r.foster248@gmail.com>
Sent: Monday, December 9, 2024 10:43 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

As a registered voter and long time resident, I am writing to you to request that you PLEASE DENY the placement of a 'bottling' plant anywhere in Jefferson County,including Mountain Pure Water Bottling Facility in Middleway. Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

We need our water for agriculture, tourism and most importantly ALL OF THE NEW HOMES that are being built around the county. There is only a limited amount of water to be had, so please when planning consider the majority of Jefferson County and its growth and not just one employer. It is important to consider all types of years when doing this type of planning. Ground water is part of an entire watershed and will ultimately impact our rivers and streams. And as this past year has demonstrated, we have been in a drought where water resources have been stretched.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Regina Foster
r.foster248@gmail.com

**From:** Planning Department
**To:** "Lesley Fraley Sr."
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:59:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Lesley Fraley Sr. <dandlfraz@comcast.net>
Sent: Monday, December 9, 2024 2:28 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

I can't believe our County officials would allow a CA company to come in and steal our natural resources!

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Mr. Lesley Fraley Sr.

--
Lesley Fraley Sr.
dandlfraz@comcast.net

**From:** Planning Department
**To:** "Lisa Shirley Fraley"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:26:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Lisa Shirley Fraley <Momsrgreat@comcast.net>
Sent: Monday, December 9, 2024 9:13 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

You have the power to change this! Support the county you love and serve! You are its gatekeepers! You are shaping this county for generations to come.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Lisa Shirley Fraley

--
Lisa Shirley Fraley
Momsrgreat@comcast.net

**From:** Planning Department
**To:** "bgrantham@frontiernet.net"
**Subject:** RE: proposed Mountain Pure Bottling Facility in Middleway
**Date:** Tuesday, December 10, 2024 12:32:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Bill W. Grantham <bgrantham@frontiernet.net>
Sent: Monday, December 9, 2024 9:03 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: proposed Mountain Pure Bottling Facility in Middleway

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

To: The Jefferson County Planning Commission,

I am owner and operator of Meadow Green Farm, LLC at 5830 Middleway Pike, and border The old Russel trailer park, and wetlands leading up to Lake Louisa.. I am asking for you to REJECT the proposed Mountiain Pure Water Bottling Facility in Middleway. I have concerns about my wetlands that ajoin the wetlands of Lake Louisa from the possibility of drying up and being no longer a wetlands due to the over pumping of water from such near to my property lines wells. Basically I am concerned about having a farm of beef cattle, hay crops and vegetables without any water!!!!!!!!

Might I offer a few suggestions that would help set my mind at ease about under ground water concerns. I would like to see Sidewinder,LLC do the following before things go any futher.
#1--calibrated the gallons per minute as the water flows out of the mouth of Lake Louisa as it leaves by way of Turkey Run, #2--gather ALL adjoining property owners and put in place a well water monitoring devices for surface to water depth recordings-----this is before any test pumping begins, #3--prepare to add tye tessting solution to these wells the day before well test pumping begins, #4--have Sidewinder have a rented pump and generator in place and approxmately 1,000 ft. of discharge pipe from the well head around the west side of Lake Louisa to outlet more than 500 feet from the mouth of The Lake, #5--have a well flow meter calibrated and tested to be accurate by a third party company and pump that well for 30 plus days and follow the dye and well depth readings on their wells and ALL neighboring wells. let's find out where this volume of water is coming from and where it is going.... And gladly share ALL findings with Jefferson County Water Authority....

Again I am asking for you to REJECT the proposed Mountain Pure Water Bottling Facility in Middleway, as a concerned land/farmer owner who border about 1 mile of the East side of Russell Trailer Park, Lake Louisa's wetlands and main spring body of water.

Thank you for this consideration,

William W. Granthasm, JR
Meadow Green Farm, LLC
5830 Middleway Pike,
Middleway, WV 25430 #304-261-2054
bgrantham@frontiernet.net

**From:** Planning Department
**To:** "Peggy Grantham"
**Subject:** RE: Mountain Pure Water bottling Facility
**Date:** Tuesday, December 10, 2024 1:07:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Peggy Grantham <grantham1@frontiernet.net>
**Sent:** Monday, December 9, 2024 9:44 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>; grantham1@frontiernet.com
**Subject:** Mountain Pure Water bottling Facility

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

To Jefferson County Planning Commission:

My name is Peggy Grantham, and my husband and I own farmland along Turkey Run and in the Middleway area.

I am opposed to the water bottling plant. I am concerned about our wells going dry. In the months of February and March we will have at least 50 cows calving. That means we might have over 100 animals that need water. We can't wait days or weeks to have the water situation addressed. I think the proposal said the company would compensate or replace wells within two years. Well, that is too late. We also have ewes, chickens, and goats that will also need water. My current well isi 60 feet deep. How will this project affect this?

I want the planning committee to:

1. Conduct a thorough well test during summer or fall conditions to reflect recent drought severity, and share findings publicly.
` 2. Ensure water extracted during testing is completely removed from the aquifer and surface water system. (None of it goes back into Turkey Run)
3. Perform a **comprehensive hydrological study** to assess aquifer recharge rates and broader water table dynamics.
4. Monitor all wells within a 4-mile radius of the well head and provide public access to results.
5. **Stop pumping** if water levels drop below a predetermined mark.
6. Conduct dye testing to track toxic plume movement
7. Fund an **independent archaeological study o**f the industrial site, well sites, and pipeline areas. Share the report to all and address the problems.

Please address our concerns and find accurate information about the project before giving the company a "green

light" to proceed.

Sincerely,
Peggy Grantham

**From:** Planning Department
**To:** "Phyllis Grantham"
**Subject:** RE: Please protect our water
**Date:** Tuesday, December 10, 2024 11:46:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Phyllis Grantham <phyllisgrantham@gmail.com>
Sent: Monday, December 9, 2024 11:45 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: Please protect our water

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Commissioners,

Our farm is approximately one mile from Middleway and just a field away from Lake Louise. We are one of the last families in Jefferson County who is actually farming our land. Our irrigation well allows us to raise vegetables and beef that is sold at local farm markets. My concern is the unknown effect on our groundwater supply. Farmers cannot survive without a reliable source of water.

I urge you to consider the long term impact on groundwater before moving forward with the approval of the Mountain Pure Water Bottling facility or any bottling facility at the former 3M Plant in Middleway.

Phyllis Banks Grantham

Tudor Hall Farm

Sent from my iPhone

**From:** Planning Department
**To:** "Jan Hafer"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 12:08:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Jan Hafer <janhafer52@gmail.com>
Sent: Monday, December 9, 2024 5:43 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Jan Hafer
janhafer52@gmail.com

**From:** Planning Department
**To:** "Deborah Harris"
**Subject:** RE: Objection to the Mountain Pure Water Bottling Plant proposed in Middleway, WV
**Date:** Tuesday, December 10, 2024 12:24:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Deborah Harris <harrispig@hotmail.com>
**Sent:** Monday, December 9, 2024 8:13 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>; ComPlan2045 <complan2045@jeffersoncountywv.org>
**Subject:** Objection to the Mountain Pure Water Bottling Plant proposed in Middleway, WV

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Dear Sir or Madam:

Like all local residents, I need my well water to live, drink, cook, bathe, clean dishes and clothes, and grow food or basically, all activities of daily life.

I have lived here for 23 years without ANY problems with my well. I have installed multiple water purification systems including reverse osmosis tanks to alleviate the purchase of bottled water because plastic bottles are BAD for our environment, as is the ground water pumping that Mountain Pure intends at this plant per USGS Survey Fact Sheet 103-03.

IF the Mountain Pure project/;plant goes through and my well water is depleted AT ANY FUTURE DATE, I will be suing Mountain Pure, Sidewinder Enterprises LLC, Owner/Resident Agent Jeff Fischbeck, Fischbeck Properties LLC, Jefferson County WV, and all the Jefferson County Commissioners professionally and personally, for the full current replacement value of my 9-acre home/woods at 324 Old Middleway Road, Kearneysville, WV 25430 and punitive damages as the USGS clearly states ground water pumping leads to well water depletion. Our properties will be worthless after this CA corporation financially benefits from pumping & selling our water in bottles to the Midwest and other regions.

THANKS for NOT approving this plant/project that will destroy our Middleway Properties and lives.

Also, THANKS for adding a prohibition against ground water pumping facilities to our County development regulations so this never happens to any other communities in Jefferson County, WV.

Sincerely,
Deborah L. Harris
harrispig@Hotmail.com
C: 304.616.0265

Cc: Jeff Fischbeck, Registered Agent
Sidewinder Enterprises LLC & Fischbeck Properties LLC
4340 Von Karman Avenue
Newport Beach, CA 92660
WV Foreign LLC License File# 541246 since 9/9/2022
CA LLC License File# 201335310612 since 12/19/2013

December 7, 2024

To the Jefferson County Planning Commission,

It is with continued concern that I must email again in regard to the proposed water bottling facility for Middleway, West Virginia. My first letter to this commission focused on concerns including the impact on roadways, traffic, impact on local wells, health conditions, and the altering of a major historical area. However, after following the meeting through media reports I am chagrined to see how Mark Dyck, representing the proposed water bottling company, disregarded the job of the commission and the concerned citizens of the area.

In an article written by Jack Walker and published by West Virginia Public Broadcasting, he (Dyck) is quoted as saying, "We met all the other requirements," he said. "I think the Planning Commission is obligated to follow the rules and regulations." As well as "[that] rejecting the project due to local concerns fell outside the purview of the commission, and could require court intervention." This type of open disregard is clear indication of how the water bottling company will treat not only the residents of the area but the governing entities responsible for them.

If he (Dyck) were to check West Virginia code, he would see that Planning Commissions are charged with the responsibility to "(4) Create conditions favorable to health, safety, mobility, transportation, prosperity, civic activities, recreational, educational, cultural opportunities and historic resources;" and "(8) Promote the efficient utilization of natural resources, rural land, agricultural land and scenic areas;" as enumerated in §8A-3-1 of The West Virginia Code of Land Use Planning. That interprets plainly to knowing, understanding, and planning for "local concerns." To openly use the phrase, "require court intervention," is legal bullying. It is a thinly veiled threat to the Planning Commission and the governing bodies they report to in Jefferson County. It is a strong arm tactic against the good people of the area.

Is this the type of neighbors we want in Middleway and the surrounding county? Is the proposed generated financial income worth being held hostage to a business that has drawn legislation against it in numerous states as well as multiple class action lawsuits? And those proposed financial gains are always subject to change. Or dry up. Just like the water table they propose to siphon off, bottle, and ship away. And even if the most obvious noted areas of concern were adequately addressed, it would still be detrimental to the area.

And while I ask that these continuing concerns be fully addressed publicly with complete and transparent disclosure, it is still my personal and political viewpoint that this would forever alter, in the most damaging ways, the land and people of the area that I intend to be my forever home. Please vote in a manner that fulfills your requirements as a Planning Commission and keep my family's home – and my future home - safe, beautiful, and inhabitable for generations to come.

Respectfully submitted,

Anita Hatcher

**From:** Planning Department
**To:** "Linda Hope"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:39:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Linda Hope <Lindahope2127@comcast.net>
Sent: Monday, December 9, 2024 10:47 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Linda Hope
Lindahope2127@comcast.net

**From:** Planning Department
**To:** "wv2johnson@gmail.com"
**Subject:** RE: Mountain Pure Bottling Facility Plan
**Date:** Tuesday, December 10, 2024 11:22:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: wv2johnson@gmail.com <wv2johnson@gmail.com>
Sent: Monday, December 9, 2024 8:32 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: Mountain Pure Bottling Facility Plan

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

I live near Leetown, WV, off Old Leetown Pike. Development is exploding in this county, including in my back yard, which has to be putting a strain on our water supply and is definitely putting a strain on our roadways and established communities.

I am AGAINST inserting a water bottling plant that will tap into our precious water resources FOR PROFIT of outside entities, not to mention destruction of the peaceful, historic town of Middleway.

I am saying NO to Mountain Pure Water Bottling facility anywhere in Jefferson County. The perceived "tax benefit" isn't worth it!

Sincerely,

Deborah Johnson

Sent from my iPhone

**From:** Planning Department
**To:** "Mary Kilmer"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 12:11:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Mary Kilmer <bluemoonmary88@gmail.com>
Sent: Monday, December 9, 2024 6:00 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Mary Kilmer
bluemoonmary88@gmail.com

**From:** Planning Department
**To:** "Nancy Kirschbaum"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 12:12:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Nancy Kirschbaum <Nancyk500@comcast.net>
Sent: Monday, December 9, 2024 6:19 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Nancy Kirschbaum
Nancyk500@comcast.net

**From:** ComPlan2045
**To:** Planning Department
**Subject:** FW: Objective 4 of goal 1, Mountain Pure Site Development
**Date:** Monday, December 9, 2024 9:46:02 AM

---

Best,
Luke

Luke Seigfried (He, Him, His)
County Planner
Department of Engineering, Planning, & Zoning
Jefferson County, WV
(304) 728-3228
complan2045@jeffersoncountywv.org

**From:** lkretzer@frontier.com <lkretzer@frontier.com>
**Sent:** Sunday, December 8, 2024 4:30 PM
**To:** ComPlan2045 <complan2045@jeffersoncountywv.org>
**Subject:** Objective 4 of goal 1, Mountain Pure Site Development

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

I would like to voice my concern regarding the proposed Mountain Pure water bottling plant.

Those of us who live in the vicinity of the proposed plant are very worried about what this plant may do to our wells, roads and quality of life.

I, for one, can not afford to drill a deeper well. And the amount of water that the proposed plant plans on extracting daily is exorbitant. We can not afford to lose that much of our natural resources. We have been in drought conditions for over a year as it is.

If they decide to use lake Louise instead, it is still a drain on our local resources. It would also be detrimental to the historic value of the land.

We also do NOT have the infrastructure to deal with the kind of traffic and disruption it would cause. The intersection of route 51 and Leetown Road is already beyond traffic capacity at most times of the day and is extremely dangerous to boot. There are numerous wrecks at that intersection yearly.

All in all, this is a bad idea and sets a poor precedence. We can not afford to line the pockets of the rich at the expense of our future.

Please reconsider this proposal.

Respectfully,
Laura Kretzer

**From:** Planning Department
**To:** "Paulette Lashley"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:23:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Paulette Lashley <paulettelashley@yahoo.com>
Sent: Monday, December 9, 2024 8:41 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

I have been a Jefferson County resident since 1999. I am firmly against this facility.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Thank you for your time,
Paulette Lashley

--
Paulette Lashley
paulettelashley@yahoo.com

**From:** Planning Department
**To:** "Ken Lindsay"
**Subject:** RE: Middleway Public Comment
**Date:** Tuesday, December 10, 2024 12:04:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Ken Lindsay <ken@fivestoneshomeworks.com>
**Sent:** Monday, December 9, 2024 4:06 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Middleway Public Comment

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

To: Jefferson County WV Planning Department

Re: Middleway bottling plant – public comment

West Virginia has long been an economic sacrifice zone for the nation, in which our resources have most recently been exploited for the luxury or gain of those elsewhere. California has proven to be masterful in manipulating water rights and the extreme depletion of water resources, both in and out of their own state, due to over-consumption.

May the voice of Jefferson County residents choose the path forward.

--

___

Ken Lindsay

**From:** Planning Department
**To:** "Ellie Lloyd"
**Subject:** RE: NO TO WATER BOTTLE COMPANY
**Date:** Wednesday, December 11, 2024 12:44:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Ellie Lloyd <lloyd.ellier@yahoo.com>
Sent: Monday, December 9, 2024 8:49 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: NO TO WATER BOTTLE COMPANY

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

As a concerned citizen, I am writing to ask the count commission vote NO to another big industry moving into our county- no water bottling facility !

I have many concerns.

1.the water bottling company will be extracting yet another natural resource from Jefferson County without producing a single drop of " Reliable, Clean Water". Taking resources from local residents and selling it elsewhere for profit is not the kind of "good corporate citizen, commercial taxpayer, and neighbor" we, the residents of Jefferson County are looking for.

2. In the first Frequently Asked Questions the sidewinder enterprises brochure state, "The water intended for the bottling will be sourced directly from Lake Louise" yet in later answer sections it indicates the water will be "groundwater produced by the (supply) well" and that water will be transported by a 12" raw water line between Lake Louise and the bottling facility. Which is it? Either source, wells or Lake Louise, will stress the supply of water the residents of Jefferson County rely on.

3. Sidewinder Enterprises, LLC recognizes the possibility of a reduction in ground water supply and is trying to lessen the concerns of nearby residents by offering to monitor existing residential wells and redrill those wells if required, to meet County standards for a residential well, but within very specific distances of their planned facility. Neighbors of the facility are right to be concerned as are the rest of Jefferson County Residents.

4. By stating that the traffic study has been approved by the WVDOH doesn't do enough to address the concerns

of the community which has historically narrow roads that are not conducive to the high volume of large vehicle traffic to and from the facility.

5. While it is admirable that the proposed bottling facility have contacted the Middleway Fire Volunteer Department regarding fire hydrant placement near the facility— Where is the water needed to fill those supply lines to those hydrants going to come from during a major fire if the groundwater level is majorly affected by said facility?

West Virginia has a long history of outside companies coming into the state to exploit our natural resources of coal and timber and now we are seeing our groundwater being added to the list. I, along with quite a few like-minded residents are rightfully concerned that our wells will dry up while the community suffers from the actions of the proposed water bottling facility.

Please feel free to respond to my concerns,

Ellie Lloyd

4443 shepherd grade rd

Shepherdstown, WV 25443

**From:** Planning Department
**To:** "Shayna Mason"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:50:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Shayna Mason <smfunkhouse@yahoo.com>
Sent: Monday, December 9, 2024 12:19 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Shayna Mason
smfunkhouse@yahoo.com

**From:** Planning Department
**To:** "Aaron May"
**Subject:** RE: Opposition to the Mountain Pure Water Bottling Facility Concept Plan
**Date:** Tuesday, December 10, 2024 11:34:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Aaron May <aaron@aaronmayphoto.com>
**Sent:** Monday, December 9, 2024 10:18 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Opposition to the Mountain Pure Water Bottling Facility Concept Plan

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Dear Jefferson County Planning Commission,

I am writing to express my concern regarding the concept plan for the Mountain Pure Water Bottling Facility. I urge the Commission to carefully consider the potential negative impacts this facility could have on our community, environment, and resources.

This project raises significant concerns, including:

• Water Resource Management: The potential strain on local water supplies could have far-reaching effects on residents, agriculture, and the local ecosystem.

• Community Impact: Increased traffic, noise pollution, and potential degradation of our rural character are concerns that deserve thorough evaluation.

• Environmental Concerns: The risks of groundwater depletion and contamination must be carefully weighed.

As stewards of Jefferson County, I trust that you will prioritize the long-term health and sustainability of our community. Please reject the concept plan for this facility to ensure our county remains a thriving place for future generations.

Thank you for your thoughtful consideration.

Sincerely,

Aaron May

304-240-5275

604 S Hills Drive Shepherdstown WV 25443

**From:** Planning Department
**To:** "Kevin and Kathy McCormack"
**Subject:** RE: Regarding the Public Workshop Mountain Pure Concept Plan December 17, 2024
**Date:** Tuesday, December 10, 2024 11:25:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Kevin and Kathy McCormack <kmccormack030@gmail.com>
**Sent:** Monday, December 9, 2024 8:59 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Regarding the Public Workshop Mountain Pure Concept Plan December 17, 2024

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
December 9, 2024

Jefferson County Planning Commission
116 E. Washington Street
Charles Town, West Virginia 25414
sent by electronic mail

Dear Planning Commissioners,

As residents of Middleway WV we have many concerns about the proposed plan for the development of the 3M Eastman
Kodak Facility. Please take these thoughts into consideration as you evaluate the revised plan proposed by Mountain Pure.

The groundwater extraction will negatively affect Jefferson County. Water will be depleted and unavailable for irrigation of crops and water
for livestock. When that occurs the area will have;
No crops
No livestock
No food
No farmers
NO FUTURE

Please visit Historic Middleway and physically observe Queen and Grace Streets. Neither of

these streets are wide enough to allow
two trucks going opposite directions in the available space on the road. Trucks will be forced to drive on private residents' property to pass. The
weight of the trucks will cause road damage and lead to the damage of the historical areas and homes of Middleway.

*IF* you are unwilling to deny this project, we ask that you add the following stipulations.
1. Groundwater can not be used for bottling or any other endeavor at the 3M Eastman Kodak site.
2. *IF* a pipeline is established, it does not use any ground water and it is not placed anywhere in the Middleway Historic district.
3. A road is built, at the developer's cost, providing direct access from the facility to Route 51 that is able to accommodate the width
and weight of their trucks.

The planning committee represents the people of Jefferson County. The planning committee has the power to veto the proposed water
bottling project. **Please deny Mountain Pure.**
Thank you for your consideration.

Sincerely,

Kathy and Kevin McCormack

McCormack
206 Old Middleway Road
Middleway WV 25430

304-692-6678

**From:** Planning Department
**To:** "Matthew McKinney"
**Subject:** RE: MOUNTAIN PURE
**Date:** Tuesday, December 10, 2024 11:56:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Matthew McKinney <mckinneymatt16@gmail.com>
**Sent:** Monday, December 9, 2024 2:04 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** MOUNTAIN PURE

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Dear Planning Commissioners:

As a lifelong resident of Jefferson County and a resident within two miles of the proposed water bottling plant I am writing to express my support for the project. With the ultimate goal for myself and many local residents to preserve the character of our county, one of the best ways for preservation is to put it to use.

You are all aware the intersection of Rte. 51 and Leetown Rd is listed on the county's comprehensive plan as a "Highway Problem Area". There is no harm asking the applicant if they are willing to proffer a contribution for a traffic signal as supporting infrastructure.

Thank you for your consideration.

Sincerely,

Matt McKInney
Leetown Rd, Kearneysville

**From:** Planning Department
**To:** "Robin Mullican"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 12:25:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Robin Mullican <rjm54@mindspring.com>
Sent: Monday, December 9, 2024 8:16 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Robin Mullican

--
Robin Mullican
rjm54@mindspring.com

**From:** Planning Department
**To:** "ellen.l.murphy"
**Subject:** RE: Please reject the concept plan
**Date:** Tuesday, December 10, 2024 11:16:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** ellen.l.murphy <ellen.l.murphy@comcast.net>
**Sent:** Monday, December 9, 2024 7:01 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Please reject the concept plan

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Please, please reject the concept plan for the bottling plant! The ground water is essential to homes and farms across Jefferson County and we cannot dismiss the residents who live here. The ground water is not a resource to be sold but the lifeblood of our County.

Ellen Murphy
Harpers Ferry

Sent from my Galaxy

**From:** Planning Department
**To:** "Lawrence Neumark"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 12:06:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Lawrence Neumark <neumark@myactv.net>
Sent: Monday, December 9, 2024 4:18 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Lawrence Neumark
neumark@myactv.net

**From:** Planning Department
**To:** "Linda Newsome"
**Subject:** RE: Middleway bottling plant
**Date:** Tuesday, December 10, 2024 12:00:00 PM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Linda Newsome <lgnewsome@comcast.net>
**Sent:** Monday, December 9, 2024 2:43 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Middleway bottling plant

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Dear Jefferson County Planning Commission

My name is Linda Newsome. I moved to Jefferson County in 1984, and to Middleway in 1988. I grew up in a military family, and moved around a lot. I have lived in Japan, South Carolina, Ohio, and Virginia, before finding my real home in Wild, Wonderful West Virginia. I grew up in suburbia, mainly in Northern Virginia, but I always wanted a rural life, inspired by trips to my grandparents dairy farm in the tiny town of Timberville Virginia. In vain I searched for a 4-H or FFA club in Fairfax County. I raised chickens and rabbits in my backyard.

When friends moved out to the outskirts of Charles Town I visited almost every weekend. While in college I worked on farms around Charles Town and Berryville (VA) every summer. After college I moved to an apartment in an old farmhouse in Charles Town, and was a farm manager near Berryville for over 12 years.

After living in that apartment for 4 years, I started looking for a rural home where I could raise chickens and other livestock. With the help of a local friend and a helpful real estate agent, I found my dream home in the tiny village of Middleway. I finally connected with the local 4-H and FFA members when I became the Poultry Superintendent at the Jefferson County Fair for over 13 years. I also served as the Jefferson County Poultry Expert. Many people know me as "The Chicken Lady".

I love Middleway. I love how peaceful, kind, and quiet it is. I love how close it is to lots of busy, interesting, and stimulating places, yet how it's kind of hidden away from all that. I tell people it's called Middleway because it's halfway to everywhere.

I have been fortunate to be able to buy two adjacent properties to my residence. My motive for buying them was not for financial gain, but to preserve the acreage from development. I do not make a profit from my renters, but they are good people who would not be able to afford the amount I would need. I would rather they stay (and have a home) than make money off of them, some things are more important than money.

I implore you to use every means possible to stop the Mountain Pure bottling plant from being built in Middleway. It seems to me that every resident of Middleway stands to be adversely affected by this development, and I don't see any advantage to any of us. My main concern is the vast amounts of our precious groundwater being pumped out (against local zoning) and sent away, with nothing being returned to the aquifer. I can't see how this would not affect my four wells, that serve me, my tenants, and my livestock. Droughts are becoming more common and for longer periods. Water is the most valuable thing on the Earth, we shouldn't just give it away to a giant company that has no interest in preserving the historic rural village it will be trampling in the name of profits (that none of us will share in).

If this project is allowed to move forward, I must request that conditions be set on it's permission to proceed.
First: A modern groundwater survey of the whole county must be conducted by an independent investigator, to have a real idea of the impact of this project on our groundwater supply.
Second: Middleway residents, including livestock and farm use, have priority use of the groundwater, and that any significant decrease in the availability of the water would require the plant to stop pumping. Offers by the plant to sell our water back to us is unacceptable.
Third: A bypass would be constructed to eliminate heavy traffic through the historic village, NOT just a traffic signal installed at the intersection with route 51.

You are our best line of defense. We are your constituents, neighbors, friends, and fellow residents of the beautiful place that is Jefferson County West Virginia. I can't see anything about this project that will help any of us or our community. Please thoroughly investigate zoning compliance, hydrological and traffic studies, and the history of our village, and REJECT Mountain Pure. Protect good people, not profits. We are asking for your empathy and aid, to keep Middleway the peaceful rural village we call HOME. You have the power to do this, I hope we can persuade you to use it.

Thank you for your time and consideration.

Linda G. Newsome
Middleway resident

**From:** Planning Department
**To:** "Amy Piedrahita"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:09:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Amy Piedrahita <Piedrahitaa@frontiernet.net>
Sent: Monday, December 9, 2024 10:22 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Dear Commissioners,

Listed in the following paragraphs are many reasons I feel you should deny the Mountain Pure Concept Plan in Middleway. You may see the same reasons from others too. We are counting on you to do the right thing for Jefferson County. You know this is not a good fit for us! You have the power to just say, "NO!" You live here too. You water is threatened too! Please, find a way to stop this travesty! And now, my and our reasons:

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Amy Piedrahita

Shannondale

--
Amy Piedrahita
Piedrahitaa@frontiernet.net

**From:** Planning Department
**To:** "Robert Pitcher"
**Subject:** RE: Reject water bottling facility
**Date:** Tuesday, December 10, 2024 11:53:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Robert Pitcher <rhpitcher@gmail.com>
**Sent:** Monday, December 9, 2024 12:40 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Reject water bottling facility

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

To Jefferson County Planning Commission,

I am asking for you to **reject** the proposed Mountain Pure Water Bottling Facility in Middleway. The proposed concept plan does not conform to the Rural zoning ordinance.

Groundwater should be protected for rural residents and farming. My wife, I and 3 young children live less than a mile from the commercial wells at Lake Louise. These wells will be extracting massive amounts of groundwater that could dry up our residential and farm wells, it could also cause the toxic chemicals in the ground at the old 3M site to migrate.

The Mountain Pure concept plan does not do enough to protect our water and our safety, it does nothing to protect the history of Middleway and surrounding areas, it does nothing to protect our farmland and wetlands. I do not see the benefit that this project would bring to the residents of this county and would only do harm. This facility would also set a dangerous precedent that could lead to more groundwater extraction facilities in our area.

This plan should be rejected because it does not conform to zoning ordinance and it does not offer the proper protections for the county residents, the village of Middleway, and the environment.

Robert Pitcher

Middleway District resident

**From:** Planning Department
**To:** "Donald Rebmann"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:49:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Donald Rebmann <Garrettinc@msn.com>
Sent: Monday, December 9, 2024 12:18 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway. A "No" vote is expected on this facility or any other to draw water from Lake Louise.

Lake Louise is a special lake. It is one of only a few cavern fed lakes in the US. And is believed to be several hundred feet deep.The aquifer apparently flows under Charles Town and possibly supplies the town's water. The wells for this bottling plant were drilled at the mouth of the lake. So as water is drawn out the level will drop. The flow out of Turkey run at this time is very slow. Any change in the supply of the lake could severely affect the creek's flow. Lake Louise is an environmentally important resource and should be protected at all cost.

Please deny the concept plan for this project or any other project taking water from Lake Louise because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely, Don Rebmann

--
Donald Rebmann
Garrettinc@msn.com

**From:** Planning Department
**To:** "Cathy Reifer"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:55:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Cathy Reifer <Cathy.reifer@gmail.com>
Sent: Monday, December 9, 2024 1:43 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Cathy Reifer
Cathy.reifer@gmail.com

**From:** Planning Department
**To:** "Elizabeth Ricketts"
**Subject:** RE: Deny applications for Middleway water bottling project
**Date:** Tuesday, December 10, 2024 11:27:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Elizabeth Ricketts <ricketts4ctown@gmail.com>
**Sent:** Monday, December 9, 2024 9:15 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Deny applications for Middleway water bottling project

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Hello,
I'm writing these email to encourage staff and the commission to deny the applications by Mountain Pure and Sidewinder Enterprises LLC for the project in Middleway that plans to extract massive quantities of ground water for distribution.
Ground water is a precious resource that will only become more valuable with time.
Extraction of ground water of the proposed amounts is also a concerning proposal as this area just faced the worst fall drought ever recorded.
There is also concern about possible sites and graveyards of historical significance that could be disturbed or destroyed but such a project. The project developer should be on the hook for full archeological assessments of all parcels impacted.
The county government and staff should work to protect the people, land, and legacy of Jefferson County, not out of area interests that intend to strip natural resources from us and turn a profit.

Elizabeth Ricketts
309 W. Washington St
Charles Town

**From:** Planning Department
**To:** "Joyce Rudnick"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 12:13:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Joyce Rudnick <whenwhen04@yahoo.com>
Sent: Monday, December 9, 2024 6:19 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Joyce Rudnick
whenwhen04@yahoo.com

**From:** Planning Department
**To:** "Ben Sade"
**Subject:** RE: Mailer
**Date:** Tuesday, December 10, 2024 12:31:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Ben Sade <bensade01@gmail.com>
**Sent:** Monday, December 9, 2024 9:04 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Fwd: Mailer

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
See comments below. I am opposed to a water bottling plant in Jefferson county.

Benjamin J. Sade

Cell: 304-820-6370
Email: bensade01@gmail.com

Begin forwarded message:

> **From:** Ben Sade <bensade01@gmail.com>
> **Date:** December 9, 2024 at 19:29:53 EST
> **To:** sstolipher@jeffersoncountywv.org, jhefestay@jeffersoncountywv.org, ckeys@jeffersoncountywv.org, jtabb@jeffersoncountywv.org, pmajdi@jeffersoncountywv.org
> **Subject: Fwd: Mailer**
>
> Dear Jeff Co commissioners,
> I received a mailer for a proposed water bottling company today in near by middleway. My response to their mailer is below.
>
> I am confused about why this would be good for Jefferson county and am vehemently opposed to it.

Thank you,

Benjamin J. Sade

---

Cell: 304-820-6370
Email: bensade01@gmail.com

Begin forwarded message:

> **From:** Ben Sade <bensade01@gmail.com>
> **Date:** December 9, 2024 at 19:17:45 EST
> **To:** info@mountainpureproject.com
> **Subject: Mailer**
>
> Hi,
> I received your mailer. Did you know that the only thing water bottling plants create is plastic bottles? I didn't know this was proposed for my community but I am deeply opposed now that I know.
>
> There is this modern marvel of engineering called water pipes where we get this same water directly to our homes!
>
> I look forwards to speaking at whatever public forum your at next. Would you kindly let me know that you've received this email and what that public forum will be.
>
> Regards,
>
> Benjamin J. Sade
>
> ---
>
> Cell: 304-820-6370
> Email: bensade01@gmail.com

**From:** Planning Department
**To:** "Ellen Shenk"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:47:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Ellen Shenk <ellenshenk@live.com>
Sent: Monday, December 9, 2024 11:50 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Ellen Shenk
ellenshenk@live.com

To: Jefferson County Planning Commission

Subject: Opposition to the Proposed Mountain Pure Water Bottling Facility in Middleway

From: The Rev. Robert Shives (Middleway Resident)

To: Jefferson County Planning Commission

Subject: Opposition to the Proposed Mountain Pure Water Bottling Facility in Middleway

From: The Rev. Robert Shives (Middleway Resident)

Dear Members of the Jefferson County Planning Commission,

I am writing to respectfully request that you reject the proposed Mountain Pure Water Bottling Facility in Middleway. This project poses significant risks to the historic, environmental, and social fabric of our community and does not conform to the zoning ordinance. Additionally, groundwater resources must be protected for the rural residents, farmers, and ranchers who depend on them for their livelihoods.

As a resident of Middleway, I am deeply concerned about the potential impacts of this project.

Personal Impact

This project would personally affect me in the following ways:

I live at the corner of East and Grace Streets, where I have already experienced near-misses with large trucks navigating our historic village's narrow, one-lane roads. Increased heavy truck traffic would further jeopardize the safety of my family and neighbors. Traffic frequently backs up at the intersection of Route 51 and Leetown Road, forcing motorists to use Grace and East Streets as shortcuts. This has already created hazardous conditions, and the addition of heavy trucks would only worsen the situation.

Middleway, a historic village dating back to 1734, is listed on the National Register of Historic Places. This designation should afford certain protection. As the Planning Commission, it is your duty, alongside residents and the Middleway Conservancy, to safeguard this valuable historic district. Middleway currently offers a self-guided walking tour, with kiosks and pamphlets directing visitors along Queen, King, Grace, and East Streets. The proposed increase in traffic—over 4,000 vehicles per day—would endanger historic buildings and discourage tourism due to safety concerns caused by semi-trucks traversing our small village.

Above all, it is our duty as citizens and elected officials of Jefferson County to protect and preserve the rich history of this area. Allowing a company from the West Coast—one that has shown little regard for our heritage—to exploit our natural resources for profit would represent a profound failure of leadership and stewardship.

If the Concept Plan Is Accepted, Conditions Are Essential

If the Planning Commission deems it necessary to accept the concept plan, I strongly urge you to impose the following conditions to mitigate harm and preserve Middleway's historical and environmental integrity:

1. Establish a Resident Impact Fund/Bond

- Require the company to establish a fund to address impacts on:

  - Homes and personal property.

  - Traffic safety and accidents.

  - Well depletion and contamination.

  - Health concerns, such as PFAs or other toxins.

2. Build a Bypass Road or Improve Infrastructure

- Construct a bypass road around the historic village to divert heavy truck traffic.

- Alternatively, implement traffic-calming measures, such as signage, stop signs, traffic circles, speed cushions, and landscaping consistent with Middleway's character.

3. Comprehensive Well and Aquifer Testing

- Conduct well testing during summer or fall to reflect drought conditions and share results publicly.

- Perform a hydrological study to assess aquifer recharge rates and water table dynamics.

4. Implement Well Monitoring and Protections

- Monitor all wells within a 4-mile radius of the project site and publicly share the data.

- Require pumping to cease if water levels drop below a predetermined threshold.

5. Require Independent Environmental Studies

- Commission a study of wetlands near Lake Louise to evaluate potential impacts.

- Monitor toxic plume movement with quarterly tests and halt development if movement is detected.

6. Protect Historical and Archaeological Integrity

- Fund independent studies to assess impacts on historic preservation and archaeological sites.

- Conduct ground-penetrating radar surveys on East Street to locate unmarked graves believed to belong to soldiers.

- Establish conservation easements around key historic areas, including parcels tied to the Battle of Smithfield.

7. Ensure Corporate Accountability

- Require quarterly reporting on industrial runoff into the Opequon watershed.

- Host quarterly town hall meetings to address community concerns and ensure corporate accountability.

- Require financial contributions to Middleway's preservation efforts.

A Final Option: Incorporate Middleway

- Develop a committee from the County Commission to assist in incorporating Middleway, allowing the village to establish ordinances to protect its roads and historic character, including weight restrictions and reduced speed limits.

Conclusion

The proposed Mountain Pure Water Bottling Facility is incompatible with the zoning ordinance and threatens Middleway's historic, environmental, and social integrity. A company from the West Coast may not fully comprehend the historic significance of areas in the East, prioritizing development and resource exploitation at the expense of residents.

I respectfully urge you to reject the concept plan. However, if the plan is approved, I implore you to ensure that the conditions outlined above are imposed to protect our community and its legacy.

Thank you for your attention and dedication to safeguarding Jefferson County's heritage and resources.

Sincerely,

Rev. Robert & Kim Shives

**From:** Planning Department
**To:** "Ed Simpson"
**Subject:** RE: No to Proposed Water Bottling Facility in Middleway
**Date:** Tuesday, December 10, 2024 11:35:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Ed Simpson <edsimpson960@gmail.com>
**Sent:** Monday, December 9, 2024 10:30 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** No to Proposed Water Bottling Facility in Middleway

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

I am writing to voice my concerns over the proposed water bottling facility in Middleway. As a local resident that depends on a well as a source of water for both household use and for watering livestock, I am concerned about the ability of the aquifer to support both the existing usage and the proposed consumption of this plant. It's not just about meeting current needs but also long term sustainability. Can the industrial developer guarantee that if wells start going dry in 5, 10, or even 20 years; that they will make it right for these individuals ?

My second source of concern is the ground water pollution that already exists on the former 3M site. While it may be localized at this point in time, what happens when they start pumping millions of gallons of water from the surrounding area? This contamination could very possibly be pulled into the aquifer as hydrologic pressure changes.

My third area of concern is the increased traffic that this plant will send not just through the village of Middleway but also through the intersection of Leetown Rd. and Middleway Pike (Rt 51). This intersection already sees long back ups on Leetown Rd on the Middleway side of 51 and is the location of frequent wrecks. While this intersection may have supported traffic from the former 3M industrial site, traffic as a whole has gotten much heavier in Jefferson County over the past few years, making this a very bad intersection.

All of the reasons above are why I feel that this plant will be bad for Jefferson County,

Respectfully,
Edwin Simpson
547 Harry Shirley Rd

**From:** Planning Department
**To:** "Danette Steiner"
**Subject:** RE: BOTTLING FACILITY IN MIDDLEWAY
**Date:** Tuesday, December 10, 2024 11:42:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Danette Steiner <d.steiner79@gmail.com>
**Sent:** Monday, December 9, 2024 11:15 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Cc:** Danette Steiner <dsteiner79@gmail.com>
**Subject:** BOTTLING FACILITY IN MIDDLEWAY

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Good morning,

Putting in a bottling facility in Jefferson County is a horrible idea and puts all the wells in the area at risk. The facility will likely drain the groundwater that feeds the wells in the area putting farmers and households at risk in a time when we are still recovering from a drought that threatened crops and livestock. Are you going to pay for all of us to be put on city water because of the bottling facility**? The minute my well goes dry because of the bottling facility I will be suing the county and everyone that voted in favor of this.** When an area is drained of ground water it can cause sinkholes to form. Are you going to cover the loss of people's homes, lives, and pets when one forms underneath their homes? Are you going to cover the cost of them moving and pay for a brand-new home for them when they can't sell their old one because of a sinkhole? If this occurs you better be prepared for lawsuits because they will come.

People in this county are still angry with the solar farm that we are all sure is owned by a foreign company and the fact that West Virginia gets no power from. They are also very unhappy with the amount of housing developments popping up that we don't have the infrastructure to support. It seems like the elected politicians in this county are getting bought off but the people living here are getting nothing except our natural resources stripped. I have become increasingly disappointed with the elected officials in the county, and I am not alone. I really hope all of you start thinking about the people currently living in the county instead of yourselves and your bottom dollar. I am so ashamed that you are all Republicans, and it has caused me to seriously rethink my party affiliation.

Sincerely,

Danette Steiner (a very disappointed resident)

Frank and Mary Supplee
6880 Leetown Rd
Kearneysville WV 25430

December 9, 2024

Jefferson County Planning Commission
Attn: Michael Shepp, President
116 E Washington St
Charles Town WV 25414

**RE: Notice of Mountain Pure Concept Plan, File # 24-6-SP**

Dear Mr. Shepp:

This letter is in response to the Mountain Pure Concept Plan resubmission notification and request for written comments.

The main issue with the concept plan is that it is unsustainable. Bottling is not an acceptable use. Freshwater is a finite resource. Depletion may not occur in a year or two, which is the time allowed in the Concept Plan for Mountain Pure to drill new wells for a certain radius of affected areas.

The WV Department of Environmental Protection owns some of the wetlands at Lake Louise for the very reason of protecting the groundwater resource and wetland area. The Triad Engineering study was performed at the request and payment of the applicant to acquire a permit. The Jefferson County Planning Commission should at the very least have its own studies performed for water use issues for Jefferson County and its residents. Protection of water resources for our residents and farmers should be paramount for consideration of any permit. The Jefferson County Planning Commission would be remiss to approve a concept plan that does not protect our citizens and precious resources. Freshwater is not an infinite resource and should never be exploited for corporate gain.

Sincerely,

Frank and Mary Supplee

**From:** Planning Department
**To:** "fyre teacher"
**Subject:** RE: Brochure Received in the Mail from Sidwinder Enterprise, LLC
**Date:** Tuesday, December 10, 2024 12:17:00 PM

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Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** fyre teacher <fyreteacher@hotmail.com>
**Sent:** Monday, December 9, 2024 7:16 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Fw: Brochure Received in the Mail from Sidwinder Enterprise, LLC

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Please see forwarded email I sent to Sidewinder Enterprise, LLC. I would like to request these concerns be included as Public Comment in the workshop packet for the next Planning Commission meeting.

I would also like to express my interest infilling any vacancy on the Planning Commision. I am working on submitting a resume at this time. Thank you,

Brian Hagberg
11 Spring Creek Lane
Shepherdstown, WV 25443
h) 304 876-8345
c) 240 388-7865

---

**From:** fyre teacher <fyreteacher@hotmail.com>
**Sent:** Monday, December 9, 2024 11:04 PM
**To:** info@mountainpureproject.com <info@mountainpureproject.com>
**Subject:** Brochure Received in the Mail

Sidewinder Enterprises, LLC,

I received your brochure promoting your MountainPure project and I have several concerns not covered by the FAQ portion of your brochure.

1. Your cover states "Producing Reliable, Clean Water in the Mountain State. In actuality, your project will be extracting yet another natural resource from Jefferson County without producing a single drop of " Reliable, Clean Water". Taking resources from local residents and selling it elsewhere for profit is not the kind of "good corporate citizen, commercial taxpayer, and neighbor" we, the residents of Jefferson County are looking for.

2. In the first Frequently Asked Questions answer you state, "The water intended for the bottling will be sourced directly from Lake Louise" yet in later answer sections you indicate the water will be "groundwater produced by the (supply) well" and that water will be transported by a 12 " raw water line between Lake Louise and the bottling facility. Which is it? Either source, wells or Lake Louise, will stress the supply of water the residents of Jefferson County rely on.

3. Sidewinder Enterprises, LLC recognizes the possibility of a reduction in ground water supply and is trying to lessen the concerns of nearby residents by offering to monitor existing residential wells and redrill those wells if required, to meet County standards for a residential well, but within very specific distances of their planned facility. Neighbors of the facility are right to be concerned as are the rest of Jefferson County Residents.

4. By stating that your traffic study has been approved by the WVDOH doesn't do enough to address the concerns of the community which has historically narrow roads that are not conducive to the high volume of large vehicle traffic to and from the facility.

5. While it is admirable that you have contacted the Middleway Fire Volunteer Department regarding fire hydrant placement near the facility. Where is the water needed to fill those supply lines to those hydrants going to come from during a major fire if the groundwater level is majorly affected by your bottling use?

While I understand your thought process in sending out this communication to the community at large, I believe it comes short of relieving the concerns of the residents of Jefferson County and actually gives me cause to ask more questions. West Virginia has a long history of outside companies coming into the state to exploit our natural resources of coal and timber and now we are seeing our groundwater being added to the list. I, along with quite a few like-minded residents are rightfully concerned that our wells will dry up while the community suffers from the actions of the proposed water bottling facility.

Please feel free to respond to my concerns,

Brian Hagberg
11 Spring Creek Lane
Shepherdstown, WV 25443

**From:** Planning Department
**To:** "Carolyn Thomas"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 12:09:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Carolyn Thomas <crthomas25443@gmail.com>
Sent: Monday, December 9, 2024 5:44 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway. . . . this is a BAD idea for Jefferson County and any place in West Virginia. It's time to stop hidiing behind poorly written planning regs and guidelines. Say NO WAY.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Carolyn Thomas
crthomas25443@gmail.com

**From:** Planning Department
**To:** "Paula Tremba"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:11:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Paula Tremba <p.tremba@icloud.com>
Sent: Sunday, December 8, 2024 3:35 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

First of all, I find it quite amazing and shocking that we have such a huge amount of groundwater that we can afford it to be bottled up and shipped away! Personally, I find this project to be one of the stupidest and greediest projects to come before the County Commission.

So with that being said and the facts below, please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Paula Tremba

--
Paula Tremba

p.tremba@icloud.com

**From:** Planning Department
**To:** "Nancey Veldran"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 12:26:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Nancey Veldran <curvdair@comcast.net>
Sent: Monday, December 9, 2024 8:24 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Nancey Veldran
curvdair@comcast.net

**From:** Planning Department
**To:** "Sheila Vertino"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 11:32:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Sheila Vertino <sheilavertino@yahoo.com>
Sent: Monday, December 9, 2024 9:48 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Sheila Vertino
sheilavertino@yahoo.com

**From:** Planning Department
**To:** "Taylor Webster"
**Subject:** RE: Concerns About Proposed Water Bottling Facility in Our Town
**Date:** Tuesday, December 10, 2024 12:22:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Taylor Webster <taylor.calandrelle@gmail.com>
**Sent:** Monday, December 9, 2024 7:48 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Concerns About Proposed Water Bottling Facility in Our Town

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Dear Jefferson County Planning Commission,

I hope this message finds you well. I am writing to express serious concerns about the proposed construction of a large water bottling facility in Middleway. While such a development may seem beneficial from an economic standpoint, the long-term consequences for our community, environment, and local livelihoods could be devastating.

The extraction of large quantities of groundwater to support bottling operations poses a significant risk to our local water supply. This is especially concerning in a small town where resources are already limited. Over-pumping can lower water tables, leading to wells running dry and negatively affecting both residents and local agriculture.

The facility's operations will likely produce substantial plastic waste and greenhouse gas emissions, contributing to environmental degradation. The increase in truck traffic to transport bottled water could also result in higher air pollution levels and deteriorate local roads, further straining the town's infrastructure.

Our town relies heavily on agriculture and livestock, industries that depend on consistent and clean water sources. Reduced water availability could limit crop yields and jeopardize the health of animals, threatening the livelihoods of local farmers and ranchers. Additionally, any contamination resulting from the facility's activities would have far-reaching consequences for our food systems.

Large industrial projects can change the character of a small town, often leading to increased noise, traffic, and other disruptions. Residents could face higher water costs, and there is the potential for conflicts over resource allocation between the facility and the community.

Given these risks, I urge the commission to reconsider this proposal or explore alternatives that prioritize the sustainability and well-being of Middleway. We must protect our precious resources and preserve the quality of life for current and future generations.

Thank you for considering these concerns. I would be happy to discuss this matter further or participate in community meetings to explore more sustainable paths forward.

Sincerely,

Taylor Webster

| | |
|---|---|
| **From:** | Rosalind Welsh |
| **To:** | Planning Department |
| **Subject:** | Mountain Pure |
| **Date:** | Monday, December 9, 2024 9:26:22 PM |

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
12/9/24

Dear Jefferson County Planning Commission,
Mountain Pure MUST NOT be allowed in Jefferson County!!!! Please reject the concept plan.

1) Water is our most important concern, especially due to the amount of new houses being built. No large commercial use of water should be considered without a county wide comprehensive hydrological study. We have had water restrictions in the past. The past summer was drier than most. Use of water should have special requirements. Water is NOT a "mineral" and should not be treated as such.

2) Studies when 3M occupied the site showed pollution pockets in the karst. Voluntary cleanup does not mean it's gone. Testing needs to be done by the local company who found the pollution initially.

3) 1000' promise of new wells is inadequate for any place. The water flowing through karst does not reflect 1000' boundaries. My well is 533' deep but my neighbor's well 30' away is 150' deep.

3) The semis going to and from the plant will destroy the OLD roads in Middleway. The houses on Leetown Rd in downtown Middleway, many of which are mid-1800's, can not survive the vibrations from the heavily loaded semis. The road is too narrow for adequate turning from Grace St to Leetown Rd. A turning semi will stop traffic in both directions.

4) Water cannot be legally taken from an adjacent rural zoning and piped to commercial zoned site. The rural zoning MUST NOT be changed to commercial to satisfy an unsuitable use.

5) If Lake Louise supports rare marsh habitat, taking the water will damage or remove the swamp environment.

There are many other issues, but these spring to mind immediately. I suffer from the already huge increase in traffic on Leetown Rd. I cannot allow my pets outside and the increased traffic produces large amounts of dirt which didn't happen prior to the increased traffic.
concerned citizen on Leetown Rd
Lynn Welsh
Summit Point

**From:** Planning Department
**To:** "Jonathan Wertman"
**Subject:** RE: Sidewinder Enterprises/Mountain Pure Water Bottling Plant Proposal
**Date:** Tuesday, December 10, 2024 11:48:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Jonathan Wertman <jwertman1@gmail.com>
**Sent:** Monday, December 9, 2024 12:02 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Sidewinder Enterprises/Mountain Pure Water Bottling Plant Proposal

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Planning Department,

First, let me express my gratitude for your continued public service and in performing your duties in a challenging environment. It is truly appreciated.

Second, I am writing to express my opposition to the proposed project brought forth before your department by Sidewinder Enterprises. There are other persons with far more technical expertise that I am sure can better articulate why opposition to this project is so strong (and so important), but I simply write to share my objection on those environmental grounds, in addition to infrastructure and historic preservation concerns. And this development proposal is simply not of the character desired by the diverse group of residents populating our beautiful County. For these reasons, I kindly object and ask you to do the same.

Best,
Jon

--
Jonathan L. Wertman, Esq.
P.O. Box 2000
Shepherdstown, WV 25443
Telephone No.: (304) 288-3038
E-mail: jwertman1@gmail.com

Jefferson County Planning Commission

200 E Washington Street, Charles Town, WV 25414

12/6/24

2nd Letter

We are asking you to reject the proposed Mountain Pure Water Bottling Facility in Middleway. We are Middleway residents who have lived here for almost 6 years. Our house is on a well. We are concerned that any large pull of water from Turkey Run or Lake Louise could affect aquifers and wells for all property owners in Middleway. We are very concerned about the ability to pay for a new well if ours runs dry due to the large amount of water being pulled for the bottling company. We are also concerned about having money to pay for water treatment equipment for our home to treat water from PFA's due to the toxic plume moving. The bottled water industry adds pressure on our already depleting water sources. This past summer WV faced one of the worst droughts in decades. As temperatures continue to increase, we believe that WV will continue to have issues with rainfall deficits.

The concept plan does not conform to the zoning ordinance and we believe that the groundwater should be protected for rural residents, farmers, and ranchers. Additionally, we have concerns about increased traffic and public safety. The speed limit on Queen St is 30 mph and we have trucks and cars moving at high speeds down this 2-lane road. There is no 4-way stop light at the intersection of Leetown Road and 51 which already causes traffic to back up and is a dangerous intersection. The trucks likely used for transportation at the bottling company will also increase the noise pollution in our small, quaint, and historic town.

After reviewing the concept plan it appears that the water pipe will go along Middleway Rd which means it could cut across our front yard and driveway. We have trees that line the front of our lawn close to the road and we do not want them damaged. What guarantees are we given for any damage from water pipes being dug on our property? We want to know the proposed location, the scope of the work on our property, and any potential impacts.

**Proposed conditions:**

- Pay for a comprehensive water study that would be done in the summer and fall by a 3rd party.
    - This study would test wells and aquifers
    - Ensure water extracted during testing is completely removed from the aquifer and surface water systems
    - Perform a comprehensive hydrological study to assess aquifer recharge rates
- Pay for a comprehensive wetland study near Lake Louise
- Establish a fund or bond for residents of the entire Middleway village and surrounding areas. This fund would address potential impacts or damages to homes, personal property, health, safety, and wells.

- Construct a by-pass road around the historic village. Or implement infrastructure improvements such as signage, four-way stop signs, traffic circles, concrete cordons, roadblocks, speed bumps, and stone walls.
- Monitor all wells within a 10-mile radius of the wellhead and provide public access to results
    - Cease pumping if water levels drop below a predetermined threshold
- Pay for an independent historical preservation consultant to assess the impact of industrial and commuter traffic on the historic village and nearby sites
- Fund an archeology study. Share results with the public and address any identified impacts
- Conduct dye testing on the industrial site's wells to track toxic plume movement
- Monitor the Opequon Creek and report findings online quarterly
- Quarterly townhalls between Mountain Pure/Sidewinder and Middleway citizens

**Questions we would like answers to:**

- Concept plan says it will monitor wells within ½ mile
    - What is that monitoring going to do? Spell the process out for us.
- Plan states there will be a Traffic meeting with citizens
    - What will this meeting entail? What will be done about the traffic?
- Plan states the amount of water pulled per minute was downgraded to 1000 gallons
    - What happens if they exceed this amount?
- Plan states that Mountain Pure will provide 250 customers with water
    - How will they supply this water? Where will this supplied water come from?

As your constituents, we are asking you to reject the proposed Mountain Pure Water Bottling Facility in Middleway. Thank you for allowing us to submit our letter of concern.

Thank you

*Shawn and Lisa White*

Shawn and Lisa White

164 Old Middleway Rd

Kearneysville WV 25430

**From:** Planning Department
**To:** "Sherry White"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 12:27:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Sherry White <sherry2white@gmail.com>
Sent: Monday, December 9, 2024 8:48 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Sherry White
sherry2white@gmail.com

**From:** Planning Department
**To:** "Judith Wiles"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:06:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Judith Wiles <Jvpwiles@gmail.com>
Sent: Monday, December 9, 2024 9:36 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Judith Wiles
Jvpwiles@gmail.com

**From:** Planning Department
**To:** "Carol Wood"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 12:02:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Carol Wood <cwood453@aol.com>
Sent: Monday, December 9, 2024 3:51 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Carol Wood
cwood453@aol.com

**From:** Planning Department
**To:** "Sarah Adams"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:42:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Sarah Adams <sarahadams@howardhanna.com>
Sent: Tuesday, December 10, 2024 9:56 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

The idea that this would even be condidered is completrly irreponsible.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Sarah Adams
sarahadams@howardhanna.com

**From:** Planning Department
**To:** "Regina Albaladejo"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:21:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Regina Albaladejo <ralbaladejo@me.com>
Sent: Tuesday, December 10, 2024 10:17 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Regina and Gustavo Albaladejo

--
Regina Albaladejo
ralbaladejo@me.com

**From:** Planning Department
**To:** "Steven Ameche"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:03:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Steven Ameche <scameche@gmail.com>
Sent: Tuesday, December 10, 2024 9:44 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

I am opposed. I am on a groundwater well. Leave the water alone. We all need to share the water equally. "Equally" being the key word. This is nothing more than rich elite big corporations taking resources from regular people. In essence, they want to make even more money at the expense of the people who live here. I don't want to "gamble" my resources for their benefit.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--

Steven Ameche
scameche@gmail.com

**From:** Planning Department
**To:** "Marie Anderson"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 10:08:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Marie Anderson <Mimmia@comcast.net>
Sent: Tuesday, December 10, 2024 5:26 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please come to your senses!!!

Please DENY the concept plan for the Mountain Pure Bottling Facility project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones. That alone, should be grounds for denial of their concept plan!

Please consider these comments as you evaluate this concept plan.

Please do the right thing for Jefferson County. My home.

Sincerely,
Marie Anderson

--
Marie Anderson
Mimmia@comcast.net

**From:** Planning Department
**To:** "Julia Anthony"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:16:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Julia Anthony <jta369@yahoo.com>
Sent: Tuesday, December 10, 2024 12:57 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

Extracting ground water in a kurst geological area that is populated and a river tributary makes no logical sense. Our ground water is already threatened by the Rockwell installation. Please deny this application!

Thank you.
Julia Anthony

--
Julia Anthony
jta369@yahoo.com

**From:** Planning Department
**To:** "Danie Armstrong"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:03:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Danie Armstrong <daniearmstrong@comcast.net>
Sent: Tuesday, December 10, 2024 12:09 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway. You are destroying Jefferson county by allowing more industry. You will eventually degrade property values to your own tax detriment. Affluent families will leave for cleaner areas near by in Virginia. You will create a demographic that will degrade the area by losing strong core families that will help this community grow. We are currently in the worst drought that this region has seen in the 42 years I have lived in Jefferson County. Many have had their wells dry up in the past few months. By allowing this plan you could see an area of the county become inhabitable.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this plan you may see a county wide force take legal action.

--
Danie Armstrong
daniearmstrong@comcast.net

**From:** Planning Department
**To:** "Rachel Armstrong"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:49:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Rachel Armstrong <Rachela75@yahoo.com>
Sent: Tuesday, December 10, 2024 11:27 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Rachel Armstrong
Rachela75@yahoo.com

**From:** Planning Department
**To:** "B Temple"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:18:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: B Temple <Bptemple030711@icloud.com>
Sent: Tuesday, December 10, 2024 10:14 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan. We don't want this.

Sincerely,

--
B Temple
Bptemple030711@icloud.com

**From:** Planning Department
**To:** "Marcy Bartlett"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:26:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Marcy Bartlett <marcelebartlett@gmail.com>
Sent: Monday, December 9, 2024 12:56 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Marcy Bartlett
marcelebartlett@gmail.com

**From:** Planning Department
**To:** "Patrick Beirne"
**Subject:** RE: [Possible Spam] Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:36:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Patrick Beirne <pjb3423@yahoo.com>
Sent: Tuesday, December 10, 2024 8:45 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: [Possible Spam] Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
Importance: Low

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Patrick Beirne

--
Patrick Beirne
pjb3423@yahoo.com

**From:** Planning Department
**To:** "Matt Bernazzoli"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:14:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Matt Bernazzoli <Mbernazzoli@outlook.com>
Sent: Tuesday, December 10, 2024 12:53 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Matt Bernazzoli
Mbernazzoli@outlook.com

**From:** Planning Department
**To:** "Marlyn Bisher"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:56:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Marlyn Bisher <Marlynb30@gmail.com>
Sent: Tuesday, December 10, 2024 11:44 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Marlyn Bisher
Marlynb30@gmail.com

**From:** Planning Department
**To:** "Diane Blust"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:04:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Diane Blust <dblust73@gmail.com>
Sent: Tuesday, December 10, 2024 12:10 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Dear Commissioners:

I respectfully ask you to deny the concept plan for the proposed Mountain Pure Water Bottling Facility in Middleway. At a time of rapid residential growth in Jefferson County, I am concerned that this facility would pose a danger to our water supply by extracting this natural resource for sale and use outside the county. We need an appropriate ground water study before even thinking about approving a plan like this.

I am particularly concerned about water availability for our local farmers and agricultural producers. It is my understanding that farmers in the Middleway area have had to drill new wells to support their agricultural businesses. As you are aware, agriculture is critical to our local economy. It strikes me that selling our groundwater to far flung consumers is a grave disservice to our friends and neighbors.

Additionally, Groundwater Extraction is not a permitted use in any zone in Jefferson County. Because it is not listed as a permitted use in any zone it is prohibited in all zones. If you decide to accept the new version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for considering my comments.

Sincerely,

Diane Blust
1365 Uvilla Rd.
Harpers Ferry, WV

--
Diane Blust
dblust73@gmail.com

**From:** Planning Department
**To:** "Peggy Bowers"
**Subject:** RE: A public comment regarding the Mountain Pure Water Bottling Facility Concept Plan
**Date:** Tuesday, December 10, 2024 2:09:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Peggy Bowers <sundogspeg@gmail.com>
**Sent:** Tuesday, December 10, 2024 8:50 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
**Subject:** A public comment regarding the Mountain Pure Water Bottling Facility Concept Plan

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

The concept plan for this project must be DENIED for the primary reason that groundwater extraction is NOT A BY-RIGHT PERMITTED USE anywhere in Jefferson County.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Jefferson and surrounding counties that share the same aquifer need an up-to-date groundwater assessment. The last assessment was done in 2012. Our groundwater is not an infinite resource and should be protected for existing and incoming residents. This entire proposal is offensive and an affront to our history and values here in Jefferson County. There are no redeeming factors whatsoever in this proposal, primarily massive groundwater extraction (and probable contamination) to the detriment of our residents, both residential and agricultural. PLEASE DENY.

I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Peggy Bowers
Current Resident, Property and Business Owner
Shepherdstown, WV

**From:** Planning Department
**To:** "Tyler Boyd"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:19:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Tyler Boyd <tcboyd5@gmail.com>
Sent: Tuesday, December 10, 2024 10:16 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Tyler Boyd
tcboyd5@gmail.com

**From:** Planning Department
**To:** "Barbara Brown"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:36:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Barbara Brown <riorio1950@comcast.net>
Sent: Tuesday, December 10, 2024 7:57 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Barbara Brown
riorio1950@comcast.net

**From:** Planning Department
**To:** "John Bryant"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:39:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: John Bryant <Johnmbryant77@gmail.com>
Sent: Tuesday, December 10, 2024 9:14 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
John Bryant

--
John Bryant
Johnmbryant77@gmail.com

**From:** Planning Department
**To:** "Paris Burleson"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:23:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Paris Burleson <pburle02@gmail.com>
Sent: Tuesday, December 10, 2024 10:28 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Paris Burleson
pburle02@gmail.com

**From:** Planning Department
**To:** "Jamie Byron"
**Subject:** RE: Please hear our concerns!
**Date:** Wednesday, December 11, 2024 10:12:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Jamie Byron <jebyron3@gmail.com>
**Sent:** Tuesday, December 10, 2024 6:04 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Please hear our concerns!

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Dear Planning Commission,

I am a Jefferson county citizen, taxpayer and business owner, an engineer by training, and ecological land manager and consultant by trade.

Like most citizens I know, on all sides of the political spectrum, I've been disappointed by how the planning commission and county officials have handled industrial and residential development in our beautiful rural county.

I'm especially concerned at the moment with the ~Million square foot bottling facility. The information on how much water is planned to be drawn from the aquifer, Turkey run, or public water system is not transparent. But for a facility that large, it is likely to be enourmous! There is no doubt that it will have a significant impact on the quality and volume of water in our aquifer, which impacts all the neighboring wells, the groundwater levels, local streams and ponds, farmland soil saturation, and septic field efficacy.

If you few responsibility to your fellow citizens, neighbors and grandchildren, please ensure that the effect of this groundwater withdrawal is fully understood and strict limits are set in place before even considering a bottling facility in our county. I would love to see a small local bottled spring water producer in our county (like Berkeley springs water) but a massive facility is not appropriate here.

Thank you for hearing my concerns. Please do the right thing for our county.

Jamie

**From:** Planning Department
**To:** "Wayne Campbell"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:36:00 PM

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Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Wayne Campbell <Campbellw053078@gmail.com>
Sent: Tuesday, December 10, 2024 9:14 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Wayne Campbell

--
Wayne Campbell
Campbellw053078@gmail.com

**From:** Planning Department
**To:** "Melissa carder"
**Subject:** RE:
**Date:** Wednesday, December 11, 2024 10:03:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Melissa carder <melissakayecarder@gmail.com>
**Sent:** Tuesday, December 10, 2024 5:02 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:**

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Dear County Commissioners, I am writing in opposition of the proposed bottling facility proposed for Middleway. This will destroy our historic village. The traffic is already extremely problematic with narrow roads. Several homes in the district have been hit by vehicles causing irreparable damage. Our village cannot handle an additional 881 vehicles per day, 160 which would be trucks. That would be a commercial truck driving by each home every 9 minutes 24 hours a day. A commercial truck produces 100-135 db. Most residential areas only allow 55db at most because the noise is so loud. You are asking all residents to live like that? When a truck drives by our residences the homes shake. Would you like your home to shake every 9 minutes with a loud noise? All home values will drop significantly as no one wants to stay here for that. say no to Mountain Pure if you carte an ounce about your citizens.

Sincerely,
Melissa Carder

**From:** Planning Department
**To:** "Drew Cardis"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:30:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Drew Cardis <cardisliz@gmail.com>
Sent: Tuesday, December 10, 2024 10:59 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Drew Cardis

--
Drew Cardis
cardisliz@gmail.com

**From:** Planning Department
**To:** "Annais Carmenate"
**Subject:** RE: Protect Middleway: Oppose the Mountain Pure Water Bottling Facility
**Date:** Wednesday, December 11, 2024 9:39:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Annais Carmenate <anais.carmenate.1@gmail.com>
**Sent:** Tuesday, December 10, 2024 4:34 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Protect Middleway: Oppose the Mountain Pure Water Bottling Facility

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

I'm deeply concerned about the proposal to build the Mountain Pure Water Bottling Facility in Middleway and strongly urge the Jefferson County Planning Commission to reject this plan. This project doesn't feel safe for our community, our water, or our future.

The former 3M site still has toxic chemicals like Trichloroethane and Cis-1,2 Dichloroethene in the groundwater. Building such a massive facility on this land risks disturbing those contaminants and spreading them to our residential wells and the Potomac River watershed. That's not a risk I think any of us should take.

I'm also alarmed that Sidewinder has bought Turkey Run and Lake Louisa, which are connected to our community's water system. Their plan to run commercial wells on this rural land and pipe water two miles to the bottling plant could drain these vital resources and harm the ecosystem we all rely on.

This isn't just about one project—it's about protecting our community's health, our environment, and the character of Middleway. I ask the Planning Commission to stand with us, the people who live here, and prioritize what's best for our community, not what benefits a corporation

**From:** Planning Department
**To:** "Elizabeth Casaleno"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:02:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Elizabeth Casaleno <Bcasaleno@aol.com>
Sent: Tuesday, December 10, 2024 3:04 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway. I think it is very concerning that a resource vital to the community, groundwater, could be exploited for a water bottling business.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Elizabeth Casaleno
Bcasaleno@aol.com

**From:** Planning Department
**To:** "Leanna Casebere"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:06:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Leanna Casebere <leanna.casebere@gmail.com>
Sent: Tuesday, December 10, 2024 8:48 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please DENY the concept plan for this project because Groundwater Extraction is NOT a permitted use in any zone in Jefferson County. Looking to states in the west, groundwater extraction for profit has been detrimental to small communities such as our own.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in ALL zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Respectfully,

--
Leanna Casebere
leanna.casebere@gmail.com

**From:** Planning Department
**To:** "Peter Chadwick"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:40:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Peter Chadwick <chadwickpeter@hotmail.com>
Sent: Tuesday, December 10, 2024 9:32 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Peter Chadwick

--
Peter Chadwick
chadwickpeter@hotmail.com

**From:** Planning Department
**To:** "Nichole Chapman"
**Subject:** RE: Public Comment regarding Mountain Pure Water Bottling Facility
**Date:** Wednesday, December 11, 2024 10:05:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Nichole Chapman <nichole.chapman@icloud.com>
**Sent:** Tuesday, December 10, 2024 5:05 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Public Comment regarding Mountain Pure Water Bottling Facility

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Dear Jefferson County Planning Commissioners,

My name is Nichole Chapman. I've been a resident of Jefferson County for 33 years, and I was a resident of Middleway for four years. While living in Middleway, you learn one thing very quickly: how special this place is. In the summer, barred owls call from the old trees along the stream, and luna moths fly under the full moon. In the fall, the old trees near the graveyards shine in golds and rubies. In the winter, the town is filled with woodsmoke from eighteenth-century hearths. And on the first warm days of the year, spring peepers call from Turkey Run and the Eastern Cricket Frog calls from Lake Louise. Everyone who works and lives closely to the land knows that the health of our wildlife and wild lands directly impacts the health of our human communities. The health and sustainability of Lake Louise and Turkey Run ensures that folks for miles around have ample clean water to drink, that farmers can feed us, that hunters can subsist, and gardeners and small business owners can sustain themselves.

Sidewinders Enterprises, LLC has bought the rural parcel that contains upper Turkey Run and Lake Louise and this is now included in the revised concept plan. They have already built and tested three wells that sit on this rural parcel and on their adjacent easement property which also houses a trailer park community. They will pump 1.728 gallons per day from their wells and send this water through pipes through the historic village of Middleway and to their bottling facility on the former 3M and Kodak industrial site. The Mountain Pure Water Bottling Facility and its associated commercial well operations will likely cause irreparable harm to our community, our county, and the Potomac River watershed as a

whole.

**Wetland Ecology & Biodiversity**

For those unfamiliar with Turkey Run and Lake Louise, let me describe this special ecosystem. Turkey Run Spring marl wetland is a rare 52-acre ecosystem that contains especially high biodiversity. The large limestone spring that sits at the center of the wetland, Turkey Run Spring (aka Lake Louise or Lake Louisa), is the 3rd largest limestone spring in the state. It is directly connected to underlying groundwater systems. Turkey Run is a surface stream that runs above, through, and below the marl wetland complex. Because Turkey Run runs through Lake Louise, this surface water feature is connected to the underlying groundwater systems. Lower Turkey Run flows into the navigable waterway Opequon Creek which in turn flows north into the Potomac River.

The Turkey Run Spring marl wetland contains 33 rare plants and globally rare wetland plant communities, many of which are categorized as critically imperiled by the WVDNR Natural Heritage Database. In a 2018 state wetland assessment (WVWRAM), Turkey Run Spring marl wetland was placed in the top 10% statewide for Habitat and Ecological Integrity and the top 15% statewide for its condition. The state classified the wetland as containing Outstanding State Biodiversity Significance. The Nature Conservancy's Center for Resilient Conservation Science (CRCS) highlights this watershed as a place of recognized biodiversity value. Lake Louise is one of the few places that the Eastern Cricket Frog, a state species of special concern, has been found in the state of West Virginia.

**Environmental Protections**

Turkey Run Spring marl wetland was formed over tens of thousands of years to become the ecosystem it is today. It has been stewarded for millennia by Indigenous peoples and hundreds of years by Middleway residents, including by modern descendants of the first European settlers in Middleway (then known as Smithfield). Wetlands are protected by federal jurisdiction under the federal Clean Water Act of 1972, which is administered by the U.S. Army Corps of Engineers and the appropriate agencies in the state of West Virginia. This doesn't mean the federal or state government owns the wetland. But it does mean they've deemed it such a precious resource that they hold its condition in trust for all of us. The Nature Conservancy was considering purchasing the marl wetland from Eastman Kodak and placing it into a conservation easement. And this exact ecosystem type was protected through large grants by The Nature Conservancy at Cool Spring Preserve, a site just seven miles away from Lake Louise. There is a slice of the Turkey Run Spring marl wetland (called the Morgan tract) that sits on an adjacent farm that is under a land conservation easement by the Jefferson County Farmland Protection Board and the Land Trust of the Eastern Panhandle. This section of the wetland has already been restored through the West Virginia In-Lieu Fee Mitigation Program and with a grant from the The Nature Conservancy

**Karst Hydrogeology**

Hydrological experts say that Turkey Run Spring marl wetland has karst permissivity through its limestone spring and other springs on-site. *That means it's recharged by groundwater.* The farmers on adjacent properties have said that Sidewinder has already devastated the wetland through their well construction and pump tests. And the well

pumping will also reverberate downstream through the watershed. Turkey Run was once classified as a perennial stream, but now has intermittent water through the seasons because of development pressures on the watershed. Turkey Run, because of its connection to Lake Louise, is also connected to the groundwater systems. Opequon Creek is what is known as a "losing stream," or a stream that loses water as it flows downstream because it seeps into the surrounding groundwater (often due to karst hydrogeology). If Sidewinder plans to extract and sell millions of gallons of groundwater per day from the aquifer, the Turkey Run Spring marl wetland, Turkey Run, and the Opequon *could run dry.* This is not some wild, out-there scenario. Water bottling companies have run watersheds dry across the United States. In 2003, Nestle was held solely responsible for draining the Dead River watershed in Michigan which only had 400 gallons extracted per minute. The water tests by Triad Engineering in the original and updated concept plan that (supposedly) support the sustainability of the aquifer were conducted in the winter, when the groundwater is at its highest levels. Water tests are typically run in at least two seasons. Triad Engineering insists that Lake Louise did not lower during their tests, but anecdotal testimony from nearby farmers says Sidewinder returned the water from the well pump test back to Lake Louise. Triad Engineering also did not include karst hydrogeology models in their calculations, even though their tests admit that there is an extremely high conductivity of water on the site, which is indicative of karst hydrogeology.

**Drought**

This project comes at a time when our region is facing a prolonged drought. This past summer, our region saw the second worst drought in 130 years according to the Agricultural Commissioner of West Virginia. According to the 2023 Annual Report from the West Virginia Department of Environmental Protection, the groundwater in the Eastern Panhandle is "much below normal according to 47 years of data." Groundwater recharge is typically 15-18% of annual precipitation, according to that same report. NOAA projects our current drought will continue through at least 2025, but the US EPA predicts rising temperatures and shifting rainfall patterns are likely to increase the intensity of winter and spring flooding while exacerbating summer and fall droughts. Groundwater and surface water are incredibly transmissive due to the leaky nature of limestone karst underlying our region - what impacts one water source like an aquifer or a mountain spring or stream can impact the entire watershed. Any industrial impacts on our county water supply - especially with an increased risk of extreme drought in coming years - ensures a future where our farmers and communities are bled dry when they are at their most vulnerable.

**Conclusion**

The Turkey Run Spring marl wetland is special. It has formed over millions of years and has been carefully stewarded for millennia. That's why what could be one of the largest water bottling facilities in the country wants to take this water. It's valuable. Except they want to extract it, export it, and leave the community to pick up the pieces - the dry wells and streams, the damage to our historic homes and roads, and the industrial waste we still don't know where they are dumping. Sidewinder will destroy the very thing that made that clean mineral water possible - the wetland ecosystem. According to farmers, they have already started. We want jobs and businesses in our community - but not at the expense of our drinking water sources and natural heritage through unregulated industrial extraction, especially during a time of prolonged drought.

I'm asking you to **REJECT** the concept plan because groundwater extraction is not a listed permitted use in any zone in our county's zoning ordinance. Riparian rights in West Virginia ensure water is a shared resource and unreasonable use (like extracting millions of gallons of water per day for commercial use) is illegal. Groundwater is protected by the state as a shared resource of all property owners and should be protected for the use of farmers, ranchers, and residents.

If you do not reject the concept plan, **DELAY** its approval until a comprehensive county-wide water study has been completed.

And please, if the concept plan must move forward, make Sidewinder agree to **CONDITIONS** that have been crowdsourced by Middleway residents to ensure their community is protected from extractive industries (see the list of conditions below).

Thank you for your service to our county and for your careful consideration of this issue,

**Nichole Chapman**

---

## *Middleway Community Conditions:*

### Impact Fund/Bond for Middleway Residents

- Establish a fund or bond for residents of the entire Middleway village and surrounding areas. This fund would address potential impacts or damages to homes, personal property, health, traffic safety, and wells. This condition should apply to any company or "end users" involved in the construction and operation of the water bottling plant.

### Bypass Road or Infrastructure Improvements

- Construct a bypass road around the historic village and its densely populated areas.
- Alternatively, implement infrastructure improvements comparable to those proposed in Hillsborough during the first Public Workshop. Suggested improvements include traffic-calming measures such as:
    - Signage and four-way stop signs.
    - Traffic circles and concrete cordons.
    - Roadblocks, speed cushions designed for emergency vehicles, and stone walls.
    - Landscaping consistent with the historic village's character.

### Comprehensive Well and Aquifer Testing

- Conduct thorough well tests during summer or fall conditions to reflect recent drought severity, and share findings publicly.
- Ensure water extracted during testing is completely removed from the aquifer and surface water systems (e.g., none of it drains back into Turkey Run).
- Perform a comprehensive hydrological study to assess aquifer recharge rates and broader water table dynamics. A deeper investigation beyond well tests is necessary.

**Well Monitoring and Protections**

- Monitor all wells within a 4-mile radius of the wellhead and provide public access to results.
- Cease pumping if water levels drop below a predetermined threshold.

**Independent Wetland Study**

- Commission a study of wetland sites near Lake Louise to evaluate existing damages and assess potential future impacts.

**Historic Preservation Assessment**

- Fund an independent historic preservation consultant to assess the impact of industrial and commuter traffic on the historic village and nearby sites.

**Archaeological and Historical Studies**

- Fund an independent archaeological study of the industrial site, well sites, and pipeline areas. Share the full report publicly and address any identified impacts.
- Use ground-penetrating radar to survey East Street, where soldiers are believed to be buried.

**Toxic Plume Monitoring**

- Conduct dye testing or similar monitoring on the industrial site’s wells to track toxic plume movement.
- This study should be conducted prior to further permitting, during pumping at 1,200 gallons per minute, over multiple days.
- If plume movement is detected, halt approval and development of the site plan. If no movement occurs, repeat the test quarterly and follow the same procedure if movement is later detected.

**Opequon Runoff Monitoring**

- Monitor industrial runoff and wastewater in the Opequon and publicly report findings quarterly online.

**Quarterly Town Halls**

- Host quarterly meetings with Middleway residents to discuss progress, ensure corporate
- accountability, and uphold the sustainability of shared resources. These meetings should also highlight the company's ongoing investments in the community.

**Land Conservation Upon Closure**
Upon closure of the water bottling facility:

- Place rural parcels containing Lake Louise and sections of Turkey Run into conservation easements.
- Create conservation easements around key areas related to the Battle of Smithfield to meet NPS ABPP requirements and ensure permanent protection of federally significant land.

**From:** Planning Department
**To:** "Susan Chumley"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:02:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Susan Chumley <schumley@comcast.net>
Sent: Tuesday, December 10, 2024 8:39 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Susan Chumley
schumley@comcast.net

**From:** Planning Department
**To:** "ciderdrive@aol.com"
**Subject:** RE: MIDDLEWAY WVA
**Date:** Wednesday, December 11, 2024 9:55:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** ciderdrive@aol.com <ciderdrive@aol.com>
**Sent:** Tuesday, December 10, 2024 4:59 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** MIDDLEWAY WVA

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Dont approve water facility in Middleway WVa.

Sent from AOL on A

I, Morgan Clarke, previous resident and family member of a long-term Middleway resident, firmly object to the approval and development of the Mountain Pure LLC of Sidewinder Enterprises LLC water-bottling facility.

Sidewinder has failed to earn the trust of the community by engaging in suspicious behavior, such as failing to prove claimed philanthropic donations to local organizations, not addressing or making available information regarding the remediation of the Trichloroethene contamination sites, removing "brownfield site" from their project website to take attention away from this known contamination, and denying to offer any realistic impact remedies to the community:

- wider area of residential well depletion support
- alternative route to avoid historic district
- reduction or suspension of water extraction during drought conditions

Even going as far as touting WV's regulatory environment as a key factor in their decision to chose this site, showing that they know they can get away with depleting this community's water supply and damaging its historic character, and most bewildering, initially omitting arguably the most important part of this concept plan, the water source.

There is no evidence supporting a shortage of bottled water in the U.S. Access to bottled water is not a limiting factor in U.S. disaster response and to use it as an argument for this project is in bad faith. Based on the scale and location of this facility, it is incredibly likely and would be a reasonable **business** decision to ship this water out of the country, but of course this would never be advertised prior to approval.

There is however, an abundance of evidence showing that groundwater extraction and bottled water is detrimental to the environment and health of humans. An argument can be made for areas that are water stressed, are so precisely because of industrial scale water extraction from natural sources. See just about any article on the sites where extraction for bottled water has been ongoing (Poland Spring, Dasani, Zephyrhills, etc.) and created water insecurity in those communities.

Lastly, based on anecdotal family and neighbor cancer incidence history, I have additional concerns that the TCE contamination of this site from when it operated previously has already been contaminating the groundwater of some residents for decades, going unreported in a way that residents would have known to take preventative measures to protect their own water.

It would be an absolute disaster for this plan to move forward and I urge the Jefferson County Planning Commission to make the right choice and deny this proposal, thus setting precedence and preventing yet another exploitation of the state.

Sincerely,

Morgan Clarke

**From:** Planning Department
**To:** "Jeanne Cooper"
**Subject:** RE: Middleway Water Heist
**Date:** Tuesday, December 10, 2024 5:58:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Jeanne Cooper <jeanne@c21redwood.com>
**Sent:** Tuesday, December 10, 2024 11:49 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Middleway Water Heist

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

We can no longer act as though there is no impact on water tables, wells etc,. We are WAY overdeveloped with new housing, Infrature can no longer support these excesses. Please let's have some common sense and restraint and judgment. I have been moving west for 20 years these policies and decisions are not for the public benefit.

-
Jeanne Cooper
Realtor, Certified Real Estate Negotiator
Century 21 Redwood Realty
46 S. Loudoun Street
Winchester, VA 22602
Licensed in WV and VA
Cell 703-501-1426
Office 540-259-4090

**From:** Planning Department
**To:** "Kylie Cooper"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 10:13:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Kylie Cooper <Cooperkt13@gmail.com>
Sent: Tuesday, December 10, 2024 6:27 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Kylie Cooper
Cooperkt13@gmail.com

**From:** Planning Department
**To:** "ajtbcopenha@aol.com"
**Subject:** RE: Middleway water bottling facility concept plan REJECTION
**Date:** Wednesday, December 11, 2024 8:31:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** ajtbcopenha@aol.com <ajtbcopenha@aol.com>
**Sent:** Tuesday, December 10, 2024 1:47 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Middleway water bottling facility concept plan REJECTION

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

To: Jefferson county planning commission,

I am asking you to **REJECT** the proposed Mountain Pure Water Bottling Facility in Middleway.

Their Concept plan DOES NOT conform to the zoning ordinance and that ground water should be protected for rural residents, farmers and ranchers.

My family and I have been a Middleway **Resident for nearly 40 years** and I live less then two miles from the previous Kodak plant. For the last few years we have had a significant drought in this area, in the summer our ground cracks open and our grass turns brown and our garden produces very little due in part to the lack of rain and very high temperatures we see during the summer. As well as the continued no burn ban in the summer & fall and no snow during the winter we already have a limited water supply as is.

If you approve this concept plan their will be *tremendous negative impacts* to not only my property but the surrounding homes and wildlife, these issues could include,

1. Dry wells due to the plant pulling our resources
2. Future sink hole increase
3. Loss of wildlife due to water loss or contamination

4. Contaminated water from the toxic plume moving

5. Increased traffic to not only Middleway but surrounding areas due to trucks and workers

6. Middleway's integrity will be gone and charm of it being a historic town

7. Loss of local farms due to water loss or contaminated water

If U MUST accept the concept plan, I am asking for the following conditions from the company…..

1. An impact Fund/Bond for Middleway Residents needs to be in place

2. Comprehensive well and aquifer testing needs to be done in all seasonal conditions

3. We need well monitoring and protections within a 4-mile radius of the wellhead & provide public access to the findings and if the water drops below a predetermined threshold the pumping of the water needs to CEASE

4. There needs to be monitoring of the Toxic Plume which should be done prior to further permitting pumping at 1,200 gallons per minute over multiple days via dye testing or similar monitoring if plume movement if movement is detected HALT the approval & development of the site plan but if no movement is detected repeat the test quarterly & follow the same procedure if it does start to move.

5. Opequon runoff monitoring

6. Historic preservation assessment & an archaeological & historical study

7. We will need Quarterly town halls meetings with Middleway residents to discuss progress and ensure corporate accountability and uphold the sustainability of shared resources. These meetings should also highlight the company's ongoing investments in the community.

8. Land conservation Upon Closure

Once again, I am asking you to **REJECT** the concept plan because it does not conform to the zoning ordinances. I DO NOT believe it will better our community in any way we are a Historic community and this can only cause irreparable damage to our small community.

**- Thank you, The Copenhaver Family**

**(Nearly 40 year Middleway Resident)**

**From:** Planning Department
**To:** "Tom Copenhaver"
**Subject:** RE: Mountain pure project Middleway
**Date:** Wednesday, December 11, 2024 9:29:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Tom Copenhaver <tom@gei-va.com>
Sent: Tuesday, December 10, 2024 4:23 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: Mountain pure project Middleway

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

I wish to vote no against Mountain pure without further studies done as to what area will be affected by this large amount of drawl on our water table. The study done today is not adequate enough. It was done by an independent firm hard by mount pure it needs to be a West Virginia firm that is not affiliated through them. I live outside the half mile area with a shallow well. Will I be affected. What is the travel route of the trucks and traffic coming into the facility, what is the plan upgrades for the road and construction that mountain pure needs to pay for And not be pulled from Jefferson County revenues.

Thank you, Tom Copenhaver Middleway, West Virginia

Sent from my iPhone

**From:** Planning Department
**To:** "John Cox"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:10:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: John Cox <jdcox_4@yahoo.com>
Sent: Tuesday, December 10, 2024 8:54 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
John Cox
jdcox_4@yahoo.com

**From:** Planning Department
**To:** "Noah Curtis"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:34:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Noah Curtis <Noahork25@gmail.com>
Sent: Tuesday, December 10, 2024 9:03 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Noah Curtis
Noahork25@gmail.com

**From:** Planning Department
**To:** "Linda Daly-Lucas"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:26:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Linda Daly-Lucas <Linda.dalylucas@gmail.com>
Sent: Tuesday, December 10, 2024 1:46 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

Please consider the following comments when evaluating the concept plan of the Mountain Pure water bottling facility. Please reject the concept plan for this project because:

The concept plan does not have enough information to determine if it is a permitted use in this zone. We don't know where the water will be sourced. If the water is extracted from the ground this is not a permitted use in the Rural [zoning] zone and should not be a conditional use in the Industrial/Commercial zone.

Water extraction is not a water permitted use in the Industrial/Commercial zone or the Rural zone.

The concept plan is incomplete and does not provide the elements required by (Sec. 24.119.B.3.c) on the Site Resource Map.

The traffic impacts have not been appropriately assessed or addressed.

If in the alternative the planning commission gives direction to the company for the site plan, please place the following conditions on your direction. As a condition of continuing to the site plan prohibit the company:

From drawing from surface water that is off of the property referred to in the concept plan for bottling because the company should draw from surface water on the subject property.

From using groundwater from any location in Jefferson County for bottling because groundwater should be used for farming, livestock and rural residential use.

From using water from Lake Louise for bottling because this is zoned rural.

Sincerely,
Linda Daly-Lucas

--
Linda Daly-Lucas
Linda.dalylucas@gmail.com

**From:** Planning Department
**To:** "Michael Davis"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:18:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Michael Davis <mjdavis56@comcast.net>
Sent: Tuesday, December 10, 2024 1:13 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Michael Davis
mjdavis56@comcast.net

**From:** Planning Department
**To:** "Patricia Davis"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:15:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Patricia Davis <PatriciaFDavis@comcast.net>
Sent: Tuesday, December 10, 2024 12:56 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Patricia Davis
PatriciaFDavis@comcast.net

**From:** Planning Department
**To:** "Linda DeGraf"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:45:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Linda DeGraf <lindajdegraf@gmail.com>
Sent: Tuesday, December 10, 2024 9:16 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

I am opposed to this Facility. It is one more exploitation of West Virginia resources for outside use and profit. Water is life and all the promises the company makes about not taking too much and not letting water be contaminated by the mess the previous company left ring hollow. As soon as they get what they want they will forge ahead no matter what.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Linda DeGraf

--
Linda DeGraf
lindajdegraf@gmail.com

**From:** Planning Department
**To:** "Holly DeHaven"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:35:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Holly DeHaven <dehavenha@gmail.com>
Sent: Tuesday, December 10, 2024 8:51 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Holly DeHaven
dehavenha@gmail.com

**From:** Planning Department
**To:** "Lynn Delles"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:51:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Lynn Delles <Lbdelles@gmail.com>
Sent: Tuesday, December 10, 2024 4:58 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

I am a farm owner in Jefferson County and have horses. This plan is crazy. We should not be giving away the natural resources we rely on!

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Lynn Delles
Lbdelles@gmail.com

**From:** Planning Department
**To:** "bernard demartini"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:21:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: bernard demartini <bdemartini@mailfence.com>
Sent: Monday, December 9, 2024 11:16 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

hello members of the Commission, please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

the concept plan for this project needs to be rejected because Groundwater Extraction is not a permitted use in any zone in Jefferson County. The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

Sincerely,
bernard demartini

--
bernard demartini
bdemartini@mailfence.com

**From:** Planning Department
**To:** "Mary Denka"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:49:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Mary Denka <Mdenka@yahoo.com>
Sent: Tuesday, December 10, 2024 8:15 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Mary Denka
Mdenka@yahoo.com

**From:** Planning Department
**To:** "Thomas DiDomenico"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:11:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Thomas DiDomenico <Mpofusarmy@yahoo.com>
Sent: Tuesday, December 10, 2024 9:56 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Thomas DiDomenico

--
Thomas DiDomenico
Mpofusarmy@yahoo.com

**From:** Planning Department
**To:** "Patrice Dihle"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 10:09:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Patrice Dihle <phdihle@comcast.net>
Sent: Tuesday, December 10, 2024 5:51 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Dear Caroline Keys,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway. As a resident of Jefferson County who depends on well water as my only source of water, I am greatly concerned about the risk of dry well potentially created by this huge business based on pulling water from our shared source of water. The fact that the use of our shared water source by Mountain Pure Water is strictly for the purpose of selling it for profit is a risk I do not want to see Jefferson County support.

I also think businesses coming to West Virginia think we are not so smart (dumb hicks) and will permit such occurrences because we are in desperate need of jobs in West Virginia. Do they think other jurisdictions would be up in arms about this risk, whereas West Virginians are unprepared to object. Clearly their concept planning did not reflect concern about our ability to react to the selling of the water we depend on and use judiciously.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this

concept plan and protect the water needs of everyone.

Sincerely,

Patrice H. Dihle,
Resident of the Middleway District

--
Patrice Dihle
phdihle@comcast.net

**From:** Planning Department
**To:** "Sonny Discini"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:11:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Sonny Discini <thehorse13@gmail.com>
Sent: Tuesday, December 10, 2024 12:32 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Sonny Discini
thehorse13@gmail.com

**From:** Planning Department
**To:** "Danielle Dojcak"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:04:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Danielle Dojcak <danielle.dojcak@c21redwood.com>
Sent: Tuesday, December 10, 2024 3:19 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Danielle Dojcak
danielle.dojcak@c21redwood.com

**From:** Planning Department
**To:** "Amy Driscoll"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 10:11:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Amy Driscoll <Arkine6@gmail.com>
Sent: Tuesday, December 10, 2024 6:03 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Amy Driscoll
Arkine6@gmail.com

**From:** Planning Department
**To:** "Kristina"
**Subject:** RE: Objection to the Mountain pure Water Bottling Facility
**Date:** Wednesday, December 11, 2024 9:11:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Kristina <kmd0402@yahoo.com>
Sent: Tuesday, December 10, 2024 3:35 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: Objection to the Mountain pure Water Bottling Facility

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

To the planning board and community leadership of Jefferson County and Middleway;

As a citizen and neighbor in areas that will be damaged by the implementation of the proposed plans for a bottling plant in our area, I strenuously object to the use of our water in the way that has been proposed. We depend on the water here and, as you know, this and surrounding areas are growing significantly and will need as much clean water as we can have access to in the coming 5-10 years. Approving this plan would be foolhardy in sight of the damage it would do to the community, including residents, farmers, businesses, and the wildlife / ecosystem.

I do not believe we should be contributing more single use plastic, not shipping water out of state and adding to pollution in the many ways this plant would cause. You may say it will happen anyway, so why not here, and to that I say, we should do the right, and best thing, for our community and surrounding area, regardless of what others may choose.

Please protect our citizens, businesses, farmers, and ecosystem by reserving this vital resources for us and future generations.

Thank you,

Kristina Driscoll

Sent from my iPhone

**From:** Planning Department
**To:** "Lindsey Duchaine"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:43:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Lindsey Duchaine <lindseyknovak@gmail.com>
Sent: Tuesday, December 10, 2024 8:05 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Lindsey Duchaine
lindseyknovak@gmail.com

**From:** Planning Department
**To:** "amy duncan"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:32:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: amy duncan <asduncan@comcast.net>
Sent: Tuesday, December 10, 2024 4:26 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
amy duncan
asduncan@comcast.net

**From:** Planning Department
**To:** "Arman Dzafic"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:14:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Arman Dzafic <AADzafic22@gmail.com>
Sent: Tuesday, December 10, 2024 3:42 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Arman Dzafic
AADzafic22@gmail.com

**From:** Planning Department
**To:** "Nelson Ellifritz"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:14:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Nelson Ellifritz <nellifritz@msn.com>
Sent: Monday, December 9, 2024 11:34 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Nelson Ellifritz
nellifritz@msn.com

**From:** Planning Department
**To:** "Grant Enright"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:38:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Grant Enright <grantjosephux@gmail.com>
Sent: Tuesday, December 10, 2024 9:15 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Grant Enright
grantjosephux@gmail.com

**From:** Planning Department
**To:** "Jeffrey Feaga"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:51:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Jeffrey Feaga <feagaj@gmail.com>
Sent: Tuesday, December 10, 2024 4:57 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway. Please deny the concept plan for this project.

The approximate amount of water the bottling facility would pump from the aquifer is 1.7 million gallons per day. This is enough water to supply the average water needs of 5,840 households. Thus, a massive quantity of water would be drawn from the aquifer, reducing the amount of water available for existing houses and farms already in the area, and preventing the sustainable growth of non-industrial uses in this portion of the county.

The test wells drilled by TRIAD Engineering do not tell the whole story of how much ground water is available for extractive use. Karst wells can be notoriously high-yielding, but also can facilitate the rapid lowering of groundwater elevations in drought periods. This may not result in reduced water yield from the deepest groundwater wells, but can result in other nearby wells going dry. Further, these withdrawals can alter local groundwater flow directions, mobilizing contaminants in undesirable ways. Finally, reduced groundwater elevations can dry up surface water, including streams and wetlands. Turkey run and associated springs have already been on a drying trend and the use of more groundwater will pose a high risk for further drying.

If area water is so valuable for bottling, why shouldn't the bottling company only be given a certain volume of surface-derived water from the nearby spring, only taking the excess water discharged to the surface from the aquifer? A permit to pump groundwater without heed of aquifer limitations and dry periods is effectively giving permission for all previous users of the water (domestic wells, surface water extractions for farming) to give up their water for a new and exceptionally thirsty new user (the bottling plant) that will get all the water it needs at the expense of the others. Granting this type of water usage would be considered outrageous in drier states throughout the country, and we need to be thinking about water rights in a similarly way given the prevalence of droughts and changes to weather patterns.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County. The withdrawal of so much ground water risks water sources needed for other uses. Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Jeffrey Feaga
feagaj@gmail.com

**From:** Planning Department
**To:** "P Finnegan"
**Subject:** RE: Proposed water bottling plant
**Date:** Wednesday, December 11, 2024 8:52:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** P Finnegan <finneganp91@gmail.com>
**Sent:** Tuesday, December 10, 2024 2:58 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Proposed water bottling plant

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Planning commission members,

I would like to take a moment to express my clear opposition to the building of the proposed water bottling plant currently slated to be placed in Middleway. As a property owner in the surrounding area, this plant will have a great negative effect on the area. Currently there has been no extensive water study for the proposed area. Without knowing the amount of water currently within the table how can we be sure there will be enough to support not only this plant but the residents and agriculture in the area? In addition, with a facility this size, the current surrounding traffic infrastructure needs to be addressed first. There is no way the current roads can support the amount of additional traffic. Civil War history has always been a source of pride for the area. If the land is to be used for anything, would it not make more sense to preserve its place as a historic battleground. Markers and such could be placed in the area to boost tourism into the area. Lastly, this plant will not only be extracting mass amounts of water from the area. It will also be producing an obscene amount of plastic bottles. As I'm sure you are aware, the amount of plastic being dumped in our oceans, forests, and other areas in beyond measure. This is not what our area should be used for. Our legacy should not be one of building mountains of trash, but one of preservation of our beautiful natural resources.

Regards,

Patrick Finnegan

**From:** Planning Department
**To:** "Kathy Forsythe"
**Subject:** RE: Mountain Pure Project
**Date:** Wednesday, December 11, 2024 8:56:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Kathy Forsythe <forsythe.kathy@gmail.com>
Sent: Tuesday, December 10, 2024 3:00 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: Mountain Pure Project

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I am against the bottling water company that is trying to be established in the Middleway area of Jefferson County WV.

Kathy Forsythe

214 Fraser Ct

Charles Town, WV

Jefferson County

Sent from my iPhone

**From:** Planning Department
**To:** "Hannah Fraley"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:39:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Hannah Fraley <Hannahfralzz@gmail.com>
Sent: Tuesday, December 10, 2024 8:01 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

DO NOT APPROVE THIS CONCEPT PLAN. I AM THIS COUNTYS FUTURE! PROTECT OUR WATER. YOU CAN NOT UNDO THE DEVESTATION THIS WILL CAUSE TO OUR NATURAL RESOURCES!

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Hannah Fraley

--
Hannah Fraley
Hannahfralzz@gmail.com

**From:** Planning Department
**To:** "Shawn Franklin"
**Subject:** RE: Mountain Pure Water Bottling Facility - 24-6-SP Dec 17th 2024 Meeting
**Date:** Wednesday, December 11, 2024 9:48:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Shawn Franklin <sfrankl22@gmail.com>
**Sent:** Tuesday, December 10, 2024 4:54 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Mountain Pure Water Bottling Facility - 24-6-SP Dec 17th 2024 Meeting

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Dear Planning Commission,

I sincerely appreciate your willingness to hold another public hearing regarding the Mountain Pure Water Bottling Facility. I hope that you will reject this proposal as incomplete due to the lack of a submitted traffic study. While the concept plan mentions a study, no such study has been submitted with the application for plat approval.

According to Jefferson County Subdivision Regulations Sec. 24.110(B)(5)(e), a traffic study may be required when trip generation exceeds 100 trips, unless the WV Division of Highways (DOH) has created an agreement with the applicant to provide site access improvements. The submitted concept plan includes neither a traffic study nor an agreement with the WV DOH. Based on the information provided in the concept plan, the initial trip generation of this proposal exceeds 100 trips. Sidewinder Enterprises, however, appears to be taking liberties with their language. Surely, they are not attempting to pass off a speculative deliberation by the WV DOH about a traffic signal or roundabout at Route 51 and Leetown Road as an official agreement?

Traffic during rush hour is already a significant issue in this area. The intersection of Route 51 and Leetown Road is dangerous, and the added volume would only exacerbate existing problems. Additionally, the turning radius required for standard semi-trucks introduces further complications. A standard semi-truck needs a road width of approximately 27 feet to make a 90-degree turn, yet Grace Street is only approximately 20 feet wide, and Leetown Road is only 21 feet wide. There is no feasible way for trucks to navigate these turns without posing risks to safety or damaging property.

Three particularly vulnerable landmarks at this intersection are our historic town pump, which sits less than five feet from the road, the old Civil War Hospital, and the Virginia Inn/Sam Stone's Tavern. Allowing semi-trucks to regularly make left turns from Grace Street onto Leetown Road, or turn right from Leetown onto Grace Street would endanger these irreplaceable pieces of our history. Without a detailed traffic study submitted as part of the concept plan, the proposal risks severe traffic congestion, property damage, and harm to our historic community.

At the previous meeting, it was suggested that a traffic study had been approved by the WV DOH, yet this study was not submitted with the application. The subdivision regulations clearly state that either a traffic study or an agreement with the WV DOH to perform site access improvements must be submitted as part of the application process—not merely mentioned during a meeting. This traffic study and approval by the WV DOH should be with the published documents, so the public can have an opportunity to weigh in on what the applicant will be doing to protect our historic community.

This company has made no sincere effort to engage with or understand the community they aim to exploit. Their promises to the community have been vague and unreliable. At the last meeting, they proposed not starting production until a traffic light was installed at Route 51 and Leetown Road or claimed they would install it themselves. This has since devolved into a vague promise to “talk to the community about traffic” while hoping the WV DOH resolves the intersection issues before production begins. Such language is dismissive and irresponsible, shifting the burden onto the community and state authorities without concrete commitments.

If production begins without proper planning, Middleway residents will bear the consequences of gridlocked traffic, damaged property, and compromised safety. Trucks unable to safely navigate narrow streets and intersections pose unacceptable risks to our historic town landmarks and homes.

This is why a detailed traffic study is not just important—it is essential. Without it, the proposal is incomplete, and approval would be premature. I urge the Planning Commission to protect the citizens of Middleway by ensuring that our rights to safety, property, and well-being are prioritized over vague promises and incomplete applications.

Best Regards,
Shawn Franklin
Concerned Middleway Resident

**From:** Planning Department
**To:** "Karen Freer"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:05:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Karen Freer <kmfreer11@gmail.com>
Sent: Tuesday, December 10, 2024 3:25 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Karen Freer
kmfreer11@gmail.com

**From:** Planning Department
**To:** "Debra Fuller"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:24:00 PM

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Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Debra Fuller <Dbmschmid@gmail.com>
Sent: Tuesday, December 10, 2024 10:35 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Our beautiful county is being overdeveloped with no plans for increased infrastructure. This plant endangers local resident's water supply. Most of us depend on well water as our only source of water.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Debra Fuller
Dbmschmid@gmail.com

**From:** Planning Department
**To:** "John Fuller"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:22:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: John Fuller <jwfu@comcast.net>
Sent: Tuesday, December 10, 2024 10:22 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

I moved to this area to escape the overpopulation and pollution of Maryland. I depend on my well for all my water. Do not destroy our water table.

Sincerely,
John W Fuller

--
John Fuller
jwfu@comcast.net

**From:** Planning Department
**To:** "Sarah Gabrielson"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:59:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Sarah Gabrielson <Sarah.Gabrielson.msw@gmail.com>
Sent: Tuesday, December 10, 2024 12:00 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

As a resident of Jefferson County for over 30 years I am concerned about the application for a bottling plant in our county. How will such a plant impact our community and water. While growth and development can be positive we have to be thoughtful and look at long term impacts and implications.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Sarah Gabrielson
Sarah.Gabrielson.msw@gmail.com

**From:** Planning Department
**To:** "Donald Garrette"
**Subject:** RE: Mountain pure water bottling plant
**Date:** Wednesday, December 11, 2024 9:49:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Donald Garrette <garrettinc@msn.com>
**Sent:** Tuesday, December 10, 2024 4:55 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
**Subject:** Mountain pure water bottling plant

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Hello, We are concerned citizens of Middleway, WV.

We are stressing our **strong opposition** to accepting the current proposal, or any other proposal by Sidewinder enterprises, (Mountain Pure water), to extract, by submersible well pumps or any other means of pumping water out of the ground by any private corporation or business for the purpose of bottling water for sale inside the state or from transport outside the state.

**Groundwater Extraction is not listed as a permitted land use in any zone in the Jefferson County Zoning and Land Development Ordinance (zoning ordinance).**

Lake Louise is an Environmental Treasure that should be protected by any means. It is one of only a few "Cavern Fed Lakes" in The US. The aquifer apparently runs all the way down from Charles Town, which also has underground caverns filled with water, and probably further to the north as aquifers can stretch for hundreds of miles.

The amount of water proposed to be taken from the "mouth" of Lake Louise will surely dry up

Turkey run which it feeds.

We don't need a "factory" the size of 4 of Walmarts to be built here in Middleway.

The local roads were not built for the amount of heavy Truck traffic that is expected with this plant. We don't need more Trucks on Leetown road or Route 51.

These "Business Partners, Sean Masterson and Jeff Fischbeck are not from The area of West Virginia and are only here to take advantage of the resources here! Once built they will be gone and forgotten about us. Then we have to worry about a "Third Party" Operating this plant.

So as a citizen and Resident of Middleway West Virginia I am asking you to DENY this concept plan and any other that involves ground water extraction. Thank you.

Sincerely, Donald & Micaela Rebmann.

**From:** Planning Department
**To:** "Mary Gee"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:35:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Mary Gee <Mgeeturtle@gmail.com>
Sent: Tuesday, December 10, 2024 9:10 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

I live off Summit Point Road and have a well. I am deeply concerned that this water bottling business will dry up the wells in Middleway and the wells in Summit Point. The Summit Point Raceway/Training Facility already reported two wells going dry to CTUB in January 2024 with concerns about its aquifer. West Virginia is in the middle of a drought and has had statewide burn bans in place this year. This water bottling plant isn't just a bad idea, it's not permitted by our zoning. Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Mary Gee

--
Mary Gee
Mgeeturtle@gmail.com

**From:** Planning Department
**To:** "Pat Grant"
**Subject:** RE: Mountain Pure
**Date:** Wednesday, December 11, 2024 9:22:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Pat Grant <pgrantwv@gmail.com>
**Sent:** Tuesday, December 10, 2024 3:57 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Mountain Pure

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
To whom it may concern,

I would like to go on record and say that I vote no to the proposed water bottling facility proposed for Middleway WV. I have been a resident of Jefferson County for 30 years. This proposal would harm and devalue the property of many of the homeowner in Middleway WV. Not only that this area is rich with historic civil war history. This proposal is Not for Jefferson County and I vote no!

Sincerely,
Patricia Grant
Harpers Ferry, WV

December 10, 2024

Subject: Mountain Pure Water Bottling Facility Concept Plan

Planning Commissioners,

I grew up on a family farm near Middleway, and my family and I have lived in the historic village for 20 years. I remember the pride that locals had in their roles at the 3M plant, and I welcome jobs on the western side of Jefferson County.

However, the Mountain Pure concept plan leaves too many questions unanswered for the residents who will be most impacted. Sidewinder Enterprises needs to prove the sustainability of a plant of this magnitude in our community.

So far Sidewinder has offered to drill new wells for residents in the first two years of the plant's operation. I assume that means the start of operation for phase 1. When will phase 2 – which will triple production – begin? The company should be responsible for wells throughout the life of this plant. At a minimum, they must guarantee water to residents 5 years after phase 2 becomes operational or 5 years into phase 1 when phase 2 is officially cancelled.

The location of potentially impacted wells is not clearly known, and before any promises are made, a true study of the interconnected underground water reserves should be performed. This plant may impact wells near Summit Point and Leetown while leaving Middleway unaffected. Sidewinder's wells could redirect water from even more people than the number who will be employed. There are too many unknowns.

The pipeline's impact and its relationship to future utilities needs much more explanation. Sidewinder has yet to address how it will protect the buildings that could be destabilized by the pipeline's construction. If buried human remains and artifacts are uncovered in that process, will they be protected? Please detail who the 250 potential new utility customers are, how the water will be treated, and how it will be distributed. In addition, when this pipeline bursts, what support will a resident have as the water gushes through their compromised stone foundation?

The number of vehicles on Grace Street will double – including hundreds of heavy trucks each day, and that traffic will raise risk and costs for all the homeowners along that street. My first house in Middleway was five feet from Grace Street. I was familiar with the large trucks that would rumble by on that narrow road with no center line. The windowpanes shook as trucks braked down the hill to the stop sign. And that intersection with Queen Street is particularly tricky because of obstructed sight lines and a tight turn due to the brick building that was once a Civil War hospital.

Decades ago, the 3M plant was a fixture in this community, and I'm sure Middleway could support new opportunities at that location. However, this facility will be multiple times larger than anything Middleway has ever known, and significant planning is needed for it to coexist with a historic village that is still alive and thriving.

Thank you for your time and consideration.

James Grantham
Middleway, WV

**From:** Planning Department
**To:** "Natalie Grantham"
**Subject:** RE: Mountain Pure Concept Plan
**Date:** Wednesday, December 11, 2024 9:33:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Natalie Grantham <natalie.grantham.friend@gmail.com>
**Sent:** Tuesday, December 10, 2024 4:26 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Mountain Pure Concept Plan

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

I would like the planning commission to reject the concept plan for the water bottling facility until more information can be gathered from the applicant. I am very concerned about the water extraction that will take place, and how that extraction will inedibly impact property owners relying on wells in the surrounding area. I don't understand how the property rights of a company can be prioritized over the property rights of existing residents, especially farmers.

There is no plan for how traffic will be affect the historic district.

Water extraction is not permitted in Jefferson County in any zone. This is not allowed. This is reason enough to deny this concept plan.

Please do not open up our community to this until all of the questions can be answered.

December 10, 2024

Jefferson County Planning Commission
116 E Washington St.
Charles Town, WV 25414
Sent By Electronic Mail

**Regarding: Public Workshop: Mountain Pure Concept Plan for a Major Site Development.**

Dear Planning Commissioners,

The undersigned are a group of property owners, residents, and business owners who stand to be highly impacted by this development at the old 3M/Eastman Kodak Facility, extraction of groundwater for bottling, the pipeline for moving water, and the truck traffic the development will generate. As a highly impacted group we ask that you give the following comments significant consideration as you contemplate how to address the submitted concept plan.

Groundwater extraction is not a principal permitted use in any zone in Jefferson County. We are concerned groundwater extraction for this purpose, will have a negative impact on the groundwater availability in this area of the county. All farms and residents in this area rely on groundwater. Water availability for agriculture, livestock, and rural residential use should not be jeopardized in favor of extraction for bottling. Farmers, horseman, and other rural property owners should not incur the cost of drilling new ever deeper wells to access water. We believe these are the reasons that water extraction as a land use was left a non-permitted use in all zones by the Zoning Ordinance.

The new concept plan indicates that an underground pipeline will be installed to carry the water from the wells near lake Louise to the facility at the 3M plant. We have concerns about the impacts of the waterline on the Middleway Historic District, this historical buildings, and berried human remains that may be located in the path of the waterline. This should be addressed before the concept plan is allowed to continue to the site plan stage.

Finally, we are concerned about the traffic impacts the development would bring to the Middleway Historic District and the surrounding rural area. Currently, vehicular access to the facility requires either navigating through the Middleway Historic District or many miles of small rural roads. We are concerned that the increased volume of traffic and the size and weight of the trucks traveling to and from the plant will negatively impact safety, damage the roads, and lead to damage of the historical resources we are dedicated to preserving.

We ask that the concept plan be denied because groundwater extraction is not a permitted use in any zoning in Jefferson County. If you choose to accept the concept plan and give the developer direction to continue to the Site Plan stage, we ask that you place the following conditions on your direction:

1. Groundwater shall not be used for any use related to this development or its future use including but not limited to bottling.
2. If a water line shall be placed even if no groundwater is used then no water line shall be placed through the Middleway Historic District.

3. A road should be built as the cost of the developer that provides direct access from the facility to route 51 that is capable of accommodating all traffic to and from the subject facility.

These conditions are based in the Jefferson County Zoning and Land Development ordinance and therefore do not need to be voluntary according to the Jefferson County Land Development Regulations Section 24.121 A and B.

Thank you for considering these comments.

Sincerely,

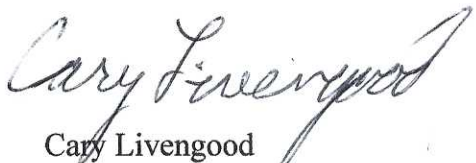
Phyllis B. Grantham
Property owner in Middleway

Joslyn R. Noland
Property owner in Middleway

Margaret Liskey
Property owner in Middleway

Natalie Grantham Friend
Property owner in Middleway

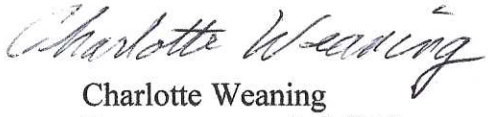
Kay B. Liskey
Property owner in Middleway



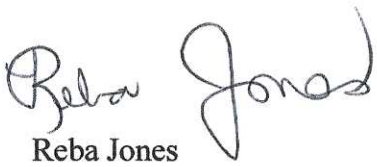
Cary Livengood
Property owner in Middleway



Robin Cartwright
Property owner in Middleway



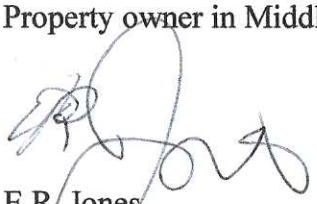
Charlotte Weaning
Property owner in Middleway



Reba Jones
Property owner in Middleway



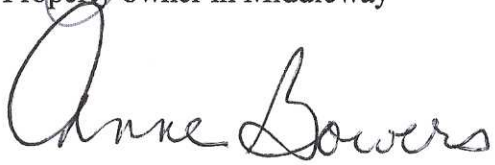
Lynn Petersen
Property owner in Middleway



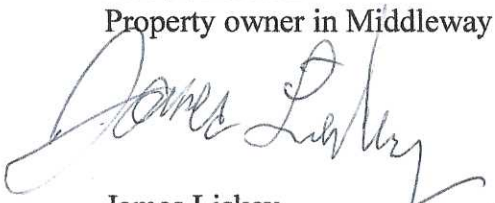
E.R. Jones
Property owner in Middleway



Robert Petersen
Property owner in Middleway



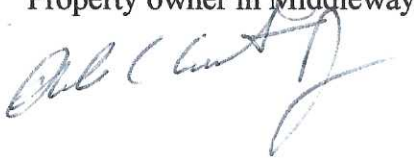
Anne Bowers
Property owner in Middleway



James Liskey
Property owner in Middleway



Robert Creamer
Property owner in Middleway



Dale C. Comstock Jr.
Property owner in Middleway



Laurie Kretzer
Property owner in Middleway



Paul Propst
Property owner in Middleway



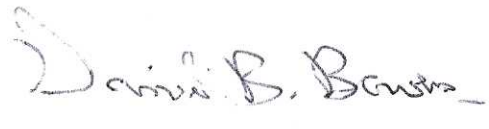
Christian Galladora
Property owner in Middleway



Randy Cartwright
Property owner in Middleway



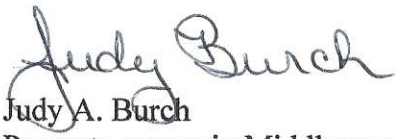
David Everhart
Property owner in Middleway



Daniel B. Bowers
Property owner in Middleway



Earl S. Huse Jr.
Property owner in Middleway



Judy A. Burch
Property owner in Middleway



Anna M. Huse
Property owner in Middleway



Norman Williams
Property owner in Middleway



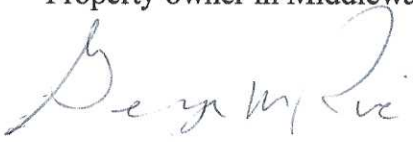
Brian Funkhouser
Property owner in Middleway



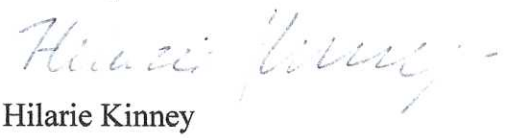
Anita Ramey Hill
Property owner in Middleway



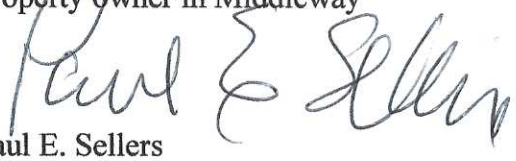
Frances Frick
Property owner in Middleway



George M. Rice
Property owner in Middleway



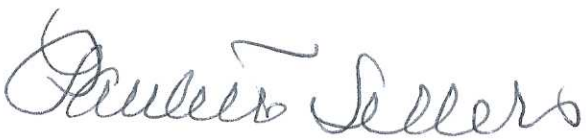
Hilarie Kinney
Property owner in Middleway



Paul E. Sellers
Property owner in Middleway



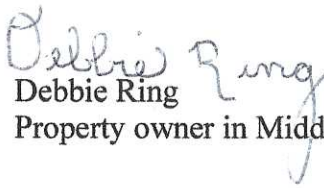
Laurie Monsma
Property owner in Middleway



Paulette A. Sellers
Property owner in Middleway



Charles Pauley
Property owner in Middleway



Debbie Ring
Property owner in Middleway



Scottie Tomblin
Property owner in Middleway

Marsha Gardner
Property owner in Middleway

Larry V. Bowers
Property owner in Middleway

304 725-0094

Reese Clabaugh Jr.
Property owner in Middleway

Kenneth and Rosalie Ring
Property owner in Middleway

Scott Elliott
Property owner in Middleway

Lloyd and Sandra Berry
Property owner in Middleway

Cierra and Anthony Mason
Property owner in Middleway

Barbara Barrow
Property owner in Middleway

Carl Mason
Property owner in Middleway

Jerry T. Shutts
Property owner in Middleway

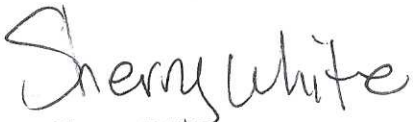
Bill Thompson
Property owner in Middleway

Trudy Shutts
Property owner in Middleway

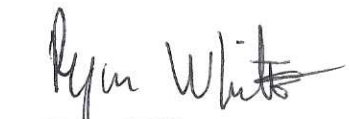
June Thompson
Property owner in Middleway

Carol Pitts
Property owner in Middleway

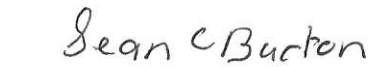
David Lease
Property owner in Middleway



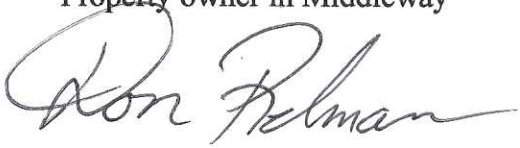
Sherry White
Property owner in Middleway



Ryan White
Property owner in Middleway



Sean Burton
Property owner in Middleway



Don Rebmann
Property owner in Middleway



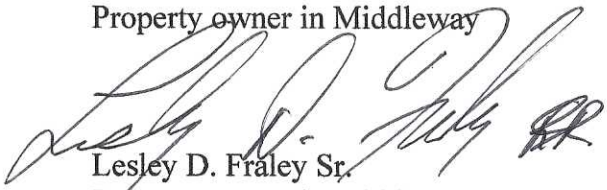
Micaela Rebmann
Property owner in Middleway



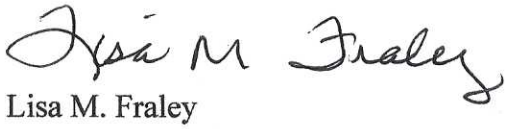
William Hewitt
Property owner in Middleway



Phillip Hawkins
Property owner in Middleway



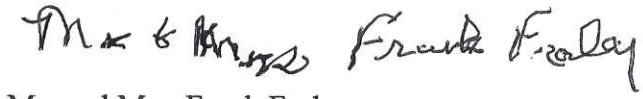
Lesley D. Fraley Sr.
Property owner in Middleway



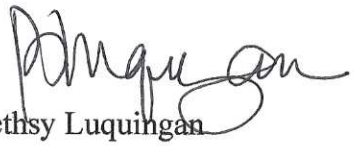
Lisa M. Fraley
Property owner in Middleway



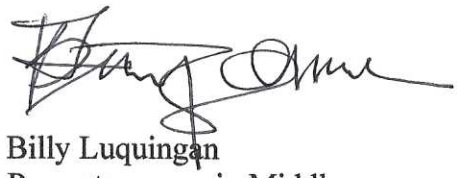
Lee D. Fraley
Property owner in Middleway



Mr. and Mrs. Frank Fraley
Property owner in Middleway



Bethsy Luquingan
Property owner in Middleway



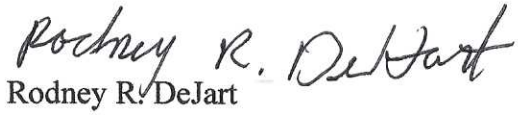
Billy Luquingan
Property owner in Middleway



Linda Newsome
Property owner in Middleway



Dianna Parker
Property owner in Middleway



Rodney R. DeJart
Property owner in Middleway

Patricia M. Evans
Property owner in Middleway

Carol Brill
Property owner in Middleway

James A. Marrone
Property owner in Middleway

David Brill
Property owner in Middleway

Donna Marrone
Property owner in Middleway

Teri Johnson
Property owner in Middleway

Susan Naputi
Property owner in Middleway

Dana Stitely
Property owner in Middleway

Joseph Naputi
Property owner in Middleway

Meaghann Pettit
Property owner in Middleway

Donna S. Greenwalt
Property owner in Middleway

Sandra Stewart
Property owner in Middleway

Y. Gail St. Clair
Property owner in Middleway

Mark Grimmell
Property owner in Middleway

Jo Ann Vance
Property owner in Middleway

Tom Copenhaver
Property owner in Middleway

Ryan Andrews
Property owner in Middleway

Kenneth C. Mitchell Jr.
Property owner in Middleway

Cade Currence
Property owner in Middleway

Hannah Strange Satchbach
Property owner in Middleway

Victoria Wetly
Property owner in Middleway

Victoria Wetly
Property owner in Middleway

Brianna Gallop
Property owner in Middleway

John O'Leary
Property owner in Middleway

John O'Leary
Property owner in Middleway

Donna Stanhope
Property owner in Middleway

Chad Dilley
Property owner in Middleway

Robin Dixon
Property owner in Middleway

Kevin Sanders
Property owner in Middleway

Brian Shamburg
Property owner in Middleway

Patricia Mathias
Property owner in Middleway

Sandra Nusbaum
Property owner in Middleway

Nancy Regaster
Property owner in Middleway

Amanda Perdue
Property owner in Middleway

Jeff Copenhaver
Property owner in Middleway

Sean Perdue
Property owner in Middleway

Tina O. Michael
Property owner in Middleway

Tim Kennan
Property owner in Middleway

Cynthia L. Markley
Property owner in Middleway

Anne Kennan
Property owner in Middleway

David Markley
Property owner in Middleway

Lauren Bigler
Property owner in Middleway

Daniel L. Noland
Property owner in Middleway

Lauren Spears
Property owner in Middleway

Sharon Dockeney
Property owner in Middleway

Amanda Miller
Property owner in Middleway

Wayne Dockeney
Property owner in Middleway

Dorothy Stickles
Property owner in Middleway



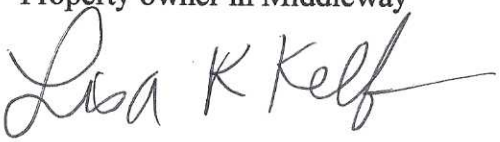
Erwin T. Corwin
Property owner in Middleway



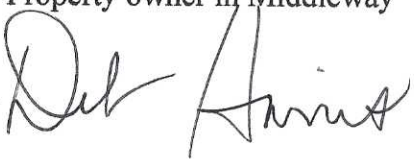
Kristina Corwin
Property owner in Middleway



Phil M. Corwin
Property owner in Middleway



Lisa R. Keefer
Property owner in Middleway



Deborah L. Harris
Property owner in Middleway



Taylor Seekford
Property owner in Middleway



Kathy McCormack
Property owner in Middleway



Kevin McCormack
Property owner in Middleway



Shawn Craig
Property owner in Middleway



William Crum
Property owner in Middleway



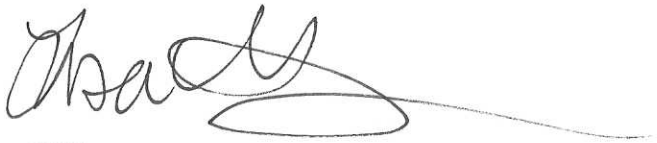
Vicky Crum
Property owner in Middleway



Adam Crum
Property owner in Middleway



Joseph White
Property owner in Middleway



Lisa White
Property owner in Middleway



Shawn White
Property owner in Middleway



Boyd Dunson
Property owner in Middleway

Mr. and Mrs. Neff
Property owner in Middleway

Hilda Walters
Property owner in Middleway

Lisa Brown
Property owner in Middleway

Matthew Brown
Property owner in Middleway

Steve Popkins
Property owner in Middleway

Property owner in Middleway

Darlene Bowling
Property owner in Middleway

Martin H. Mallory
Property owner in Middleway

Melvin Washington
Property owner in Middleway

William Croson and Janelle Shifflett
Property owner in Middleway

Thomas K. Richmond
Property owner in Middleway

James P. McCormick
Property owner in Middleway

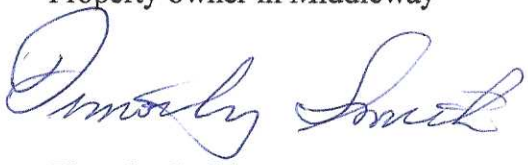
Jack Seal
Property owner in Middleway

Kay Smith
Property owner in Middleway

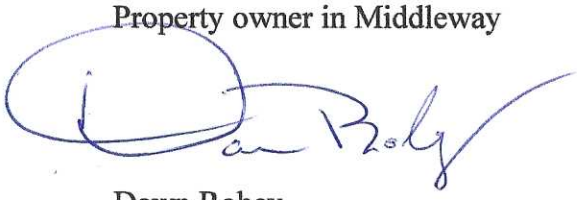
Robert Smith
Property owner in Middleway



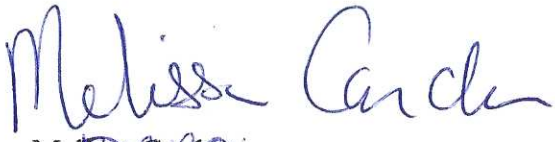
Barbara A. Smith
Property owner in Middleway



Timothy Smith
Property owner in Middleway



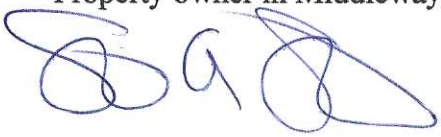
Dawn Robey
Property owner in Middleway



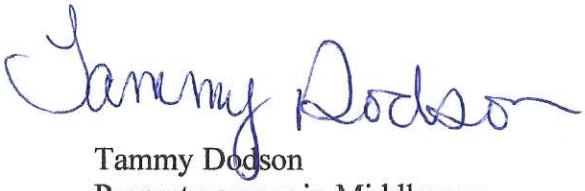
Melissa Carder
Property owner in Middleway



Michelle Peake
Property owner in Middleway



Stephen Staubs
Property owner in Middleway



Tammy Dodson
Property owner in Middleway



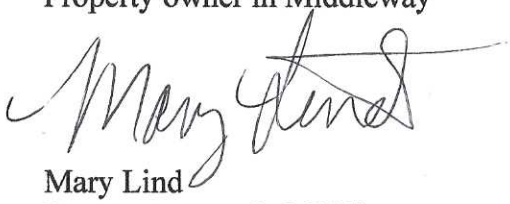
Lynn M. Dodson
Property owner in Middleway



Patrick Derosier
Property owner in Middleway



Bobbi Jo Derosier
Property owner in Middleway



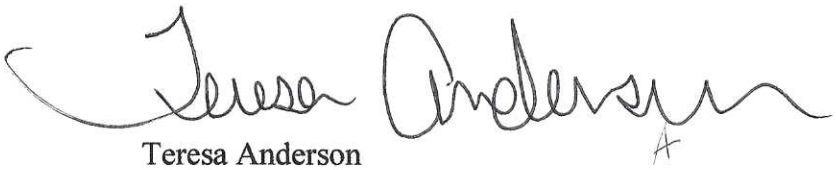
Mary Lind
Property owner in Middleway



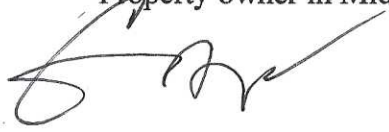
Patricia A. Dawson
Property owner in Middleway



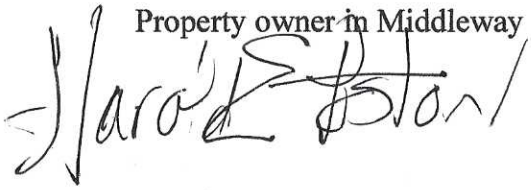
Julia Shutts
Property owner in Middleway



Teresa Anderson
Property owner in Middleway



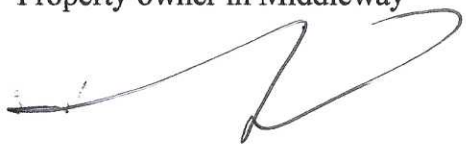
Property owner in Middleway



Harold E. Poston
Property owner in Middleway



Brenda Poston
Property owner in Middleway



Anna Good
Property owner in Middleway



Alex Arneson
Property owner in Middleway



Christina Arneson
Property owner in Middleway

April Weaning
Property owner in Middleway

Micala Mason
Property owner in Middleway

David Wilson
Property owner in Middleway

Antonio Ramirez
Property owner in Middleway

David McDaniel
Property owner in Middleway

Elizabeth A. Shattuck-Clark

Elizabeth A. Shattuck-Clark
Property owner in Middleway

Elizabeth A. Shattuck-Clark
Property owner in Middleway

**From:** Planning Department
**To:** "Lori Habel"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:27:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Lori Habel <Lorihabel15@hotmail.com>
Sent: Tuesday, December 10, 2024 4:21 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Lori Habel
Lorihabel15@hotmail.com

**From:** Planning Department
**To:** "Brian Hagberg"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:10:00 AM

---

Good morning,

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Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Brian Hagberg <fyreteacher@hotmail.com>
Sent: Tuesday, December 10, 2024 12:22 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Brian Hagberg
fyreteacher@hotmail.com

**From:** Planning Department
**To:** "Kristen Hanna"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 10:10:00 AM

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Good morning,

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Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Kristen Hanna <kristen.d.hanna@gmail.com>
Sent: Tuesday, December 10, 2024 6:03 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Kristen Hanna
kristen.d.hanna@gmail.com

**From:** Planning Department
**To:** "August Harper"
**Subject:** RE: Concerns with the Water Bottle Facility
**Date:** Wednesday, December 11, 2024 9:23:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** August Harper <augustharper92@gmail.com>
**Sent:** Tuesday, December 10, 2024 4:03 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Concerns with the Water Bottle Facility

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Hello,

I am a worried citizen who wants to voice my concerns regarding Jefferson County's continued plans to build a water bottle facility. This could drastically impact those with wells, and there are no current water studies that show the impact on water quality after this level of development. Traffic is already bad and needs to be addressed first since it will only worsen with a large facility in the area. Additionally, the facility would destroy key Civil War battlegrounds, which could negatively impact tourism.

**From:** Planning Department
**To:** "Maureen Harrigan"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 10:09:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Maureen Harrigan <mofolk@yahoo.com>
Sent: Tuesday, December 10, 2024 5:57 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Maureen Harrigan
mofolk@yahoo.com

**From:** Planning Department
**To:** "Amy Hartman"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:51:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Amy Hartman <Amywv@icloud.com>
Sent: Tuesday, December 10, 2024 2:42 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Between Rockwool. Solar farms. Power lines and now water bottle plant and all the houses won't be anything left in Jefferson county that won't have any natural beauty left. I don't even drink the water here and people want to bottle it to sell. You know they want to come here because west coast put meters on wells here they can have all the water they want and don't care if homeowners lose their water. Is so sad the pure corruption in Jefferson County planning commission you guys suck you definitely don't care about our resources or people.
Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Amy Hartman

Amywv@icloud.com

**From:** Planning Department
**To:** "TAMMY HECK"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:44:00 PM

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Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: TAMMY HECK <ravtam6@aol.com>
Sent: Tuesday, December 10, 2024 8:05 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

The drought conditions that exist in our area are not to be ignored. Pulling the amount of water proposed in this use from our ground water is NOT going to help this situation and will only make it worse! Those of us who pay property tax and depend on our wells to live in our homes are NOT IN SUPPORT OF THIS USE!

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
TAMMY HECK
ravtam6@aol.com

**From:** Planning Department
**To:** "Sonia Von Heijne"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:39:00 PM

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Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Sonia Von Heijne <Sonia.heijne@gmail.com>
Sent: Tuesday, December 10, 2024 11:01 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comment on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

This concept plan does not conform to the zoning ordinance. Therefore, this concept plan should be denied. I can see no good coming out of extracting that amount of water.

Thank you.

Sincerely,
Sonia von Heijne

--
Sonia Von Heijne
Sonia.heijne@gmail.com

**From:** Planning Department
**To:** "Rachel Heller"
**Subject:** RE: Bottling Plant
**Date:** Tuesday, December 10, 2024 1:53:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Rachel Heller <heller.rachela@gmail.com>
**Sent:** Tuesday, December 10, 2024 8:17 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Bottling Plant

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
I do not support the bottling plant. It would be horrible for our area.

Rachel Heller
Shepherdtown, WV

December 10, 2024

Planning Department
Jefferson County, WV

Re: Mountain Pure Water Bottling Facility Concept Plan

To Whom It May Concern,

My husband and I live at 41 Triple Crown Cout right off of Brucetown Road and approximately two miles from the proposed water bottling facility that is current under consideration. We moved here two years ago because of the beautiful history, scenery, peace, and low traffic / population evident in Kearneysville and Middleway. We uprooted our lives in Maryland to make the move here and could not be more unhappy or disappointed to find out that the very reasons we fell in love with our house and its location are now in serious jeopardy.

We are vehemently opposed to the concept plan and the very idea of having this water bottling facility in our neighborhood for multiple reasons, all of which have NOT been properly addressed by Mountain Pure or the Planning Commission.

First, Middleway is a historic town with a rich history. Its homes are historical landmarks and its single lane roads date back hundreds of years to the Civil War. It is a testament to the Civil War battlegrounds that are part of our American history and many soldiers and villagers are buried within its hallowed grounds. To add a bottling plant right in Middleway would destroy its history and degrade the roads, buildings, and structures which have so far stood the test of time. Historic preservation is critical to preserving our history.

Second, the increased traffic patterns which would result from the employees and vendors of the plant are not going to be properly supported by the current infrastructure which exists in Middleway and Kearneysville. We have roads which only support two lanes, one in each direction. They used to be dirt roads not so long ago and they are very narrow. Traffic can sometimes already get backed up now. Adding the hundreds of daily commuters and vendors to this will create significant deterioration of the roads, increased traffic and pollution, and a severe disturbance to the peace and serenity of the area. For any truck or car to actually reach interstate 81 would require miles and miles of traveling which is also going to have an impact in Inwood. The plan stated 160 truck parking but that has now grown to over 600 truck parking. NOTHING has been truly planned or presented that would lead us to believe that this issue has been truly considered or addressed.

Third, the concept plan submitted by Mountain Pure is abstract at best. There are no specific details that truly allow us as residents to evaluate the true impact. Lots of promises have been made that are consistently changing to the detriment of our neighborhood. For example, jobs promised originally at 550 jobs per shift have dropped to 150 jobs per shift. Donations noted as made have proven to be false. Community engagement is non-existent. There is not enough

information to determine if this bottling plant is even a permitted use within the 3M site. There is no confirmation that the current "owner" will remain the current owner so there is no guarantee that what was promised will be delivered. The people who are talking to the County today have no idea of what will truly happen as they may not be around when construction and operations will actually happen.

Fourth, the water supply around the plant will be diminished and Mountain Pure's offer to assist people who live within a half a mile of the plant with wells that dry up is not acceptable. The expected draining of our water sources and water tables is concerning and the possibly of our well going dry as a result of this consistent mining is high with no promised help from Mountain Pure that they will help us should that occur. Mountain Pure refuses to commit to anything close to ensuring that the water supply will not be diminished for the plant and for the residents and their water testing was not long enough or detailed enough to allow the planning department to assess the future impact, especially when you consider the leftover contaminated water/soil that 3M left behind. A more detailed report needs to be done. This plant is planned to be over 1 million square feet so a lot of water will go through the plant and come from our water sources. In addition, there is no assurance that the mineral rich soils which our farmers rely on will continue which could impact the economy of those trades.

Lastly, we are concerned about the activity already occurring at the plant. We see trucks going in and out daily and are aware that they have purchased land adjacent to the current structure. Why are they being allowed to enter/exit the plant if the Plan has not been officially approved? Have decisions been made by the Planning Commission that residents are not aware?

Overall, our way of life, our serenity and peace of mind, our roads, and our water supply are going to be forever and negatively changed. Please reject this plan as it is not the correct fit for our community and our residents.

Thank you.

Juan and Claudia Herrera

Juan and Claudia Herrera
Homeowners
41 Triple Crown Court
Kearneysville, WV 25430

December 10, 2024

Planning Department
Jefferson County, WV

Re: Mountain Pure Water Bottling Facility Concept Plan

To Whom It May Concern,

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Lastly, we are concerned about the activity already occurring at the plant. We see trucks going in and out daily and are aware that they have purchased land adjacent to the current structure. Why are they being allowed to enter/exit the plant if the Plan has not been officially approved? Have decisions been made by the Planning Commission that residents are not aware?

Overall, our way of life, our serenity and peace of mind, our roads, and our water supply are going to be forever and negatively changed. Please reject this plan as it is not the correct fit for our community and our residents.

Thank you.

Juan and Claudia Herrera

Juan and Claudia Herrera
Homeowners
41 Triple Crown Court
Kearneysville, WV 25430

**From:** Planning Department
**To:** "Brenda Hite"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 4:54:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Brenda Hite <blhite84@gmail.com>
Sent: Tuesday, December 10, 2024 9:32 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Brenda Hite
blhite84@gmail.com

**From:** Planning Department
**To:** "Zach Holland"
**Subject:** RE: Public Comments for Middleway Water Bottle Sidewinder proposal - Zach Holland
**Date:** Wednesday, December 11, 2024 12:47:00 PM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Zach Holland <zholland4@yahoo.com>
**Sent:** Tuesday, December 10, 2024 4:54 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Cc:** michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
**Subject:** Public Comments for Middleway Water Bottle Sidewinder proposal - Zach Holland

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

To Planning Commissioners,

The Sidewinder water bottle plant proposed for Middleway is another chapter in our state's history of allowing ourselves, through our elected officials and their appointees, to be stripped of our natural resources at the behest of outside companies. This happened with coal, our forests/timber, our land, Rockwool in recent history, and now, our water. First of all, **groundwater extraction is no listed as a permitted land use** in our Zoning and Land Development Ordinance. This goes against our existing comp plan. Please refer to **section 1.3D** of ordinance. This is an issue of Zoning, not Planning.

I adamantly oppose this proposal because it doesn't serve the wellbeing of the people of Jefferson County. It threatens the safety of roads, nearby residents in the historic town of Middleway, and if constructed, the literal future customers of the water the plant plans to bottle. Having a plant on a former 3M site with its countless, undiscovered toxins and PFAS in the ground which could leech into the water. 3M recently had a bill of $10B to pay in lawsuits from chemical leeches across its locations. Will Sidewinder pay when that happens here? Importantly, this project threatens our water supply, which is vital to all life and future development, whether residential, commercial, or agriculture. The Eastern Panhandle seems to like development, right? This project appears to contrary to this trend in our region. As climate change worsens, water will become increasingly important. Jefferson County has an opportunity NOW **to protect its future** by proper conservation and stewardship of natural resources.

I've yet to see where this water source is coming from as it wasn't listed in the original concept plan. Will Sidewinder pay for a groundwater study? Numerous residents, Commissioner Madji, and others, have **expressed interest in a groundwater study**. I believe there hasn't been once since 2014. Will/when will this happen? Will Sidewinder pay to dig new wells when they deplete them after the 2 year period as Mr. Dyck says? Will they pay for

roadwork that may be needed to sustain the plant and pay medical bills when somebody is inevitably hurt or worse, killed as trucks fly through this tiny, historic community? Will they pay for traffic mitigation outside of the one stoplight they proposed? If constructed, years and decades down the road when the water runs out, we're left holding the bag as another outside company exits with profits. Take note of the state of coal country in 2024 to our neighbors in the southern region of WV.

Development in itself is not bad, but it when it threatens the well-being of the residents in its area and does nothing to benefit their lives but instead, actively hurt their well-being. Please keep in mind that the choices we make today as a community, or do not make, will absolutely impact us, our children, and future generations. I implore you to consider these devasting impacts that will permanently shape our region. Importantly, taking public opinion or personal preference out of the equation, this **project quite literally goes against the law and zoning** and I won't be surprised if there are lawsuits if this project commences as proposed. Please contact me if you require further information and please confirm receipt of my comments as I know this was sent close to the deadline of 5PM.

Regards,

Zach Holland
Jefferson County Resident

**From:** Planning Department
**To:** "Dwayne Hottle"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:15:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Dwayne Hottle <Jdh170@comcast.net>
Sent: Tuesday, December 10, 2024 10:13 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Dwayne Hottle
Jdh170@comcast.net

**From:** Planning Department
**To:** "Carolyn Jackson"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:32:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Carolyn Jackson <mandrakefarm@gmail.com>
Sent: Tuesday, December 10, 2024 7:41 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Dear Commissioners-

It is unfathomable to me the damage that could be rendered by this industry taking our ground water. The last 2 years of drought have highlighted how precious our water is to our way of life.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Carolyn Jackson
Lifelong Jefferson County resident

--
Carolyn Jackson
mandrakefarm@gmail.com

**From:** Planning Department
**To:** "Paul Jennings"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:04:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Paul Jennings <paulwjennings@icloud.com>
Sent: Tuesday, December 10, 2024 9:48 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please take the time to read and consider the below information

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Paul W. Jennings

--
Paul Jennings
paulwjennings@icloud.com

**From:** Planning Department
**To:** "Keith Johnson"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:57:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Keith Johnson <krjohnsonkdbna@gmail.com>
Sent: Tuesday, December 10, 2024 3:02 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept our comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

My wife Deborah and I oppose this water bottling facility, coming to Jefferson county. There are many unanswered questions for which this facility should be disallowed:

1.) Who ownes this California company and why are they wanting to build in WV where the water source is an underground aquifer instead of a river?

2.) Does this company have any connections to any foreign country and if so, are they an adversary?

3.) Where is this water being shipped to ? Who is the targeted customer ?

4.) Who are the business partners who own the land where the facility will be located?

5.) With the amount of water that this facility will extract from the aquifer, over 7 million gallons a day, how will it not affect surrounding wells and cause contamination due to the forever chemicals that have saturated the water under the old 3M plant?

6.). How can this plant be allowed if there is no zoning that allows for the extraction of water for commercial sale? Ground water extraction is not a permitted use in any Jefferson county zone.

7.) If the majority of citizens who live in Middleway are concerned about the possible negative effects to their current wells / water source, why is the planning commission NOT listening to their concerns? They were here first and live in this county and the commission should honor the will of the constituents of Middleway and not the special interests of minority land barons and their business partners.

Please deny the concept plan if for anything, the fact that ground water extraction is not permitted.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting our comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Keith and Deborah Johnson
Charles Town WV

--
Keith Johnson
krjohnsonkdbna@gmail.com

**From:** Planning Department
**To:** "Grant Joseph"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 4:52:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Grant Joseph <grant@pagic.com>
Sent: Tuesday, December 10, 2024 9:19 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

This plant is not going to create the jobs it originally proposed, we are talking 50 to 250 jobs to damage the underground waterline to some measurable Degree.

It will inevitably impact water levels in this historic area to some measurable degrees and undoubtably caused some lawsuits on damaged land.

I'm actually one of the few residents who are for Building in this area, and I agree we need more opportunities for local residents, however, this is not one we should support.

The damage done to nearby wells, ground soil, farming, and even foundations of buildings and homes can be impacted by water bottling plants.

The lawsuits could be incredibly large in just a couple years times. This would ultimately impact those who pass this, but also the growth of the area.

We need success stories in regards to growth of Charles Town. We don't need horror stories.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Grant Joseph
grant@pagic.com

**From:** Planning Department
**To:** "Darah Kehnemuyi"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:12:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Darah Kehnemuyi <darahk1@yahoo.com>
Sent: Tuesday, December 10, 2024 9:58 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Darah Kehnemuyi
darahk1@yahoo.com

**From:** Planning Department
**To:** "Natalie Kiser"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:40:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Natalie Kiser <satrel3@yahoo.com>
Sent: Tuesday, December 10, 2024 8:03 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project, because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone, it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely, concerned voter.

--
Natalie Kiser
satrel3@yahoo.com

**From:** Planning Department
**To:** "Edward Klejnowski"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:50:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Edward Klejnowski <kski1225@aol.com>
Sent: Tuesday, December 10, 2024 11:31 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

INSANITY!!!!!!!!!!!!!!

Sincerely,

Edward J. Klejnowski

--
Edward Klejnowski
kski1225@aol.com

**From:** Planning Department
**To:** "Victoria Klejnowski"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:07:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Victoria Klejnowski <Klejnowskiv@gmail.com>
Sent: Tuesday, December 10, 2024 8:49 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Victoria Klejnowski, resident of Kearneysville on Turkey Run Lane.

--
Victoria Klejnowski
Klejnowskiv@gmail.com

**From:** Planning Department
**To:** "Amber Kuehnel"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:23:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Amber Kuehnel <Akuehnel.ak@gmail.com>
Sent: Tuesday, December 10, 2024 6:49 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

This plan's potential for large amounts of daily water extraction is in my opinion very detrimental to the county's residents and farming community. The Karst topography of the area is inappropriate for the actions of this facility and the potential negative impacts of those actions would likely be irreversible. In addition to these concerns, the road infrastructure of the area is not adequate to support the additional volume of heavy vehicle traffic this site will produce.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--

Amber Kuehnel
Akuehnel.ak@gmail.com

**From:** Planning Department
**To:** "Bridgett Langley"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:20:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Bridgett Langley <Tattooluver1031@gmail.com>
Sent: Tuesday, December 10, 2024 3:53 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Bridgett Langley
Tattooluver1031@gmail.com

**From:** Planning Department
**To:** "CECIL LANHAM III"
**Subject:** RE: Mountain Pure Water Bottling Facility
**Date:** Tuesday, December 10, 2024 2:31:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** CECIL LANHAM III <debbiesdomain@comcast.net>
**Sent:** Tuesday, December 10, 2024 9:00 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Mountain Pure Water Bottling Facility

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

To Whom It May Concern:

As longtime residents of the Middleway District, Jefferson County, WV, my husband and I are greatly opposed to Mountain Pure Water Bottling Facility in the Middleway area. We fear that the long-term results of this facility opening will have detrimental effects on the residents in our beautiful community.

Thus, we respectfully ask that Jefferson County say "NO" to Mountain Pure.

Thank you.

Cecil and Debbie Lanham
2664 S. Childs Road
Kearneysville, WV 25430
email: debbiesdomain@comcast.net

**From:** Planning Department
**To:** "Shelby LaTurno"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:17:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Shelby LaTurno <shelbyamanda@gmail.com>
Sent: Tuesday, December 10, 2024 1:10 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please DENY the application for the Mountain Pure Water Bottling Facility in Middleway.

Groundwater extraction is not permitted as a land use to begin with in this area and would have serious adverse effects on the community and county as a whole. I have concerns about the potential to disrupt surrounding neighbors access to clean and plentiful water, especially those whose livelihoods depend on that water.

Thank you for supporting what the current residents needs are rather than an outside business looking to profit off our natural resources.

Shelby LaTurno

--
Shelby LaTurno
shelbyamanda@gmail.com

**From:** Planning Department
**To:** "Courtney LeCompte"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:36:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Courtney LeCompte <lecomc78@gmail.com>
Sent: Tuesday, December 10, 2024 10:56 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

I'm too tired to try to organize and produce a nice, thoughtful, compelling argument, so I'm just using the below provided respone. Just please don't put in a plant. Thank you.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Courtney LeCompte

lecomc78@gmail.com

**From:** Planning Department
**To:** "Kirsten Lee"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:41:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Kirsten Lee <wvhorsetrainer@gmail.com>
Sent: Tuesday, December 10, 2024 4:38 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Dear planning commissioners and staff.
I heartily encourage you to deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County. Moving forward with the the concept plan as presented threatens the groundwater of all area residents and businesses due to the nature of our karst topography. Furthermore, creation of such a plant in that location threatens area infrastructure and the historic nature of Middleway.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Kirsten Lee
wvhorsetrainer@gmail.com

**From:** Planning Department
**To:** "Vincent Legare"
**Subject:** RE: Protect middleway comments
**Date:** Tuesday, December 10, 2024 1:29:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Vincent Legare <vinniev24@gmail.com>
Sent: Tuesday, December 10, 2024 6:58 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: Protect middleway comments

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

My name is Vincent Legare I live in Bunker Hill, WV, and I strongly oppose the construction of this water bottling facility. I moved to WV because of its beauty and affordability. Immediately I was faced with water and infrastructure problems. To combat the dirty brown water my well produces I had to install several stages of expensive filters and softeners in order to have usable and drinkable water. I fear what effects this bottling plant will have on my water supply. The people in my neighborhood are constantly spending money to combat the water and dilapidated road conditions leading into our neighborhood. We were told the state would adopt the road once all lots were sold. I'm the past 3 years I have spent thousands of dollars to have clean water and accessible driveway and for those of us that are barely making ends meet this is a constant battle. If a massive cooperation allowed to come in and pump out all our ground water where does it leave us when our wells run dry, and our land is contaminated with chemicals? Most of my community cant afford to move and our property's are all we have.

I do my part as an American to limit the plastics I use, recycle, and dispose of hazardous materials properly. The way cases of bottles of water are sold and consumed in this country is insulting when it is so obviously a pollution problem on a worldwide scale. I think it's our responsibility to do a better job as a nation to limit the amount of plastics we use in our daily lives. The proposed constriction of this facility is detrimental to our ecosystem in so many ways. I pray our voices will be heard and we can stop them from taking advantage of our resources and exploiting our beautiful state so a few individuals can get richer. The working class people of my community are already struggling to get by, we are the ones that will have to deal with the impacts this facility will have, and we are the ones that constantly work to keep our state and towns beautiful for future generations. I fear that for so many residents the burden of this plant is too much to bear and I fail to see how this facility benefits us in any way???

Thank you for your time and for hearing our thoughts. Sincerely,

Vincent P. Legare III

**From:** Planning Department
**To:** "Ronda Lehman"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:00:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Ronda Lehman <teencourtjcwv@gmail.com>
Sent: Tuesday, December 10, 2024 9:34 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

What about a water study? Water is a finite resource. Water companies don't "make" water they make plastic. With all the new houses, no one has done a study of our groundwater. What will you do when the water is gone? Not to mention, after years of contamination starting with Kodak then 3M, why condone the selling of poison? Can we please do something with forethought and planning?

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Sincerely,

Ronda Lehman
Blue Ridge Resident

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Ronda Lehman
teencourtjcwv@gmail.com

**From:** Planning Department
**To:** "Jacques Levesque"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:21:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Jacques Levesque <Jack.Levesque1262@gmail.com>
Sent: Tuesday, December 10, 2024 3:54 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Jacques Levesque
873 Hidden Hollow Drive
Kearneysville WV 25430

--
Jacques Levesque
Jack.Levesque1262@gmail.com

**From:** Planning Department
**To:** "Susan Lewis"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:28:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Susan Lewis <susan@susanrlewis.com>
Sent: Tuesday, December 10, 2024 10:09 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Susan Lewis
susan@susanrlewis.com

**From:** Planning Department
**To:** "Lewis Lloyd"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:22:00 PM

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Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Lewis Lloyd <Harpersferryherps@yahoo.com>
Sent: Tuesday, December 10, 2024 6:42 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Lewis Lloyd
Harpersferryherps@yahoo.com

**From:** Planning Department
**To:** "Hilary Lo"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 10:07:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Hilary Lo <Lo.family.wv@gmail.com>
Sent: Tuesday, December 10, 2024 5:21 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Hope I'm not too late! I watch hundreds of water issue films from all over the world in my line of work. They are cautionary tales about water rights. We don't miss the water until the wells run dry. Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Hilary Lo
Lo.family.wv@gmail.com

**From:** Planning Department
**To:** "Randy Long"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:45:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Randy Long <randylong0016@gmail.com>
Sent: Tuesday, December 10, 2024 9:14 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Randy Long
randylong0016@gmail.com

**From:** Planning Department
**To:** "Charles Love"
**Subject:** RE: Public Comment on the Mountain Pure Water Bottling Facility
**Date:** Tuesday, December 10, 2024 4:55:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Charles Love <charlesrlove1719@gmail.com>
**Sent:** Tuesday, December 10, 2024 9:32 AM
**To:** michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com; Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Public Comment on the Mountain Pure Water Bottling Facility

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway:

Comment 1:

As the planning commission continues to work to determine the path forward for the bottling facility, I request that *if* the commission continues, they require Mountain Pure (and subsequent contractors) to implement a "Community Commitment Plan (CCP)."

Adding a contractual CCP will benefit the citizens of Jefferson Co. in many ways.

Some examples that could be included in the CCP:

1.) Mountain Pure should purchase from locally owned small businesses if possible.
2.) Each year, Mountain Pure will sponsor two (2) K-12 educational events that support students in Jefferson County

Comment 2:

Considering the possibility of water pollution and plumes, Mountain Pure should host a yearly

public meeting in conjunction with the WV Department of Environmental Protection and the WV Department of Health and Human Resources to share environmental data.

Mountain Pure should also be required to monitor groundwater pollutants and have an action plan for any larger than anticipated releases. For more accurate data, WVDEP should be allowed to co-locate groundwater monitors at the Middleway bottling location.

Thank you for considering my comments.

I can be contacted at this email or (937)-213-1652. If this comment is posted publically, please redact my email and phone number.

Best,

Charles Love
Ranson, WV

Dear Mr. Shepp,

On the 17th of December, an outside interest is proposing a massive water bottling plant. Of course, the first consideration should be the obscene amount of water they plan to take, but don't forget about the bottles!

The question should be, are they going to make their own bottles or buy them? We are damned if the answer is yes or no.

<u>If they **buy** the bottles</u>

Buying bottles will create an even bigger amount of truck traffic. Here's why. The problem is each bottle takes up way more space than what they weight. You are basically shipping air. A truck will run out of room before its max carrying weight is reached. There is going to be an untenable amount of big truck traffic just to bring empty bottles to the plant. In addition, the filled bottles are shipped to retailers on pallets. If they buy them too, which they probably would, that would mean even more truck traffic. Additionally, Berkeley Springs Water buys its bottles and washes each one before they are filled, meaning they will use even more water.

<u>If they **make** the bottles</u>

They would use "blow molding technology" requiring shipment of plastic pellets, lots of plastic pellets. Of course, these pellets would arrive by truck. More truck traffic!



Pictured on the left is a typical pallet of bottled water. 6 gallons to a case and 7 or more cases per layer and usually 4 layers high. The trucks that deliver these pallets weigh so much because water is heavy. This will really tear up our roads because there will be traffic 24 hours a day! What about the quality of life for residents?

I checked the big grocery chains in Jefferson County: Martins, Food Lion, and Weis and they all carry gallon jugs from Berkeley Springs Water.

If the planning commission studies the roads around Middleway they can see that the roads cannot handle the quantity and kind (large trucks) of traffic that this bottling plant would require. For public safety reasons this proposal should NOT be approved.

Brian Lowery

Brian Lowery

**From:** Planning Department
**To:** "James Lusby-Treber"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:29:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: James Lusby-Treber <jlusby2014@outlook.com>
Sent: Tuesday, December 10, 2024 10:51 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

Further, your decision will impact the whole eastern panhandle. This facility has the capability to weaken all of the wells in Jefferson County. There is no way you can tell me that constantly pumping groundwater is no going to impact our wells.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
James Lusby-Treber

--
James Lusby-Treber

jlusby2014@outlook.com

**From:** Planning Department
**To:** "Caroline Mackall"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:37:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Caroline Mackall <Mackallc@yahoo.com>
Sent: Tuesday, December 10, 2024 10:57 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Caroline Mackall
Mackallc@yahoo.com

**From:** Planning Department
**To:** "Bedros Marashlian"
**Subject:** RE: Opposing Mountain Pure
**Date:** Wednesday, December 11, 2024 9:44:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Bedros Marashlian <beefroast000@gmail.com>
**Sent:** Tuesday, December 10, 2024 4:50 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Opposing Mountain Pure

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Good afternoon,

I strongly oppose the Mountain Pure Water Bottling Facility proposal because of the severe disruptions it will bring to our community's quality of life. The impact on Middleway residents' everyday lives is simply unacceptable.
First and foremost, the increased traffic from this facility will overwhelm our roads. A one-million-square-foot facility will mean a constant flow of heavy trucks hauling water to and from the site, likely 24/7. Our rural roads are not designed to handle this kind of industrial traffic, and the noise, wear and tear, and safety risks will be felt by everyone who lives here. Families with children, seniors, and those commuting to work will face daily disruptions, longer travel times, and increased risks of accidents.
Beyond traffic, the construction and operation of this facility will harm property values in the surrounding area. Middleway is a quiet, rural community with historic charm—a bottling plant, with its industrial appearance, noise, and pollution, does not belong here. Homeowners who have invested in this community will see their property values drop as the area becomes less desirable to live in.
This facility will fundamentally change the character of Middleway. Instead of the peaceful, rural life we value, residents will have to deal with noise pollution, light pollution, and the constant presence of industrial activity. This is not the life we signed up for when we chose to live here.
I urge the Planning Commission to think about the long-term effects this facility will have on the residents who call Middleway home. Our roads, homes, and way of life are worth protecting. Please reject this proposal.

Thank you,

Bedros Marashlian
123 Pine Cone Rd
Kearneysville WV 25430
(443) 758-7761

**From:** Planning Department
**To:** "James Marrone"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:21:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: James Marrone <jam64350@gmail.com>
Sent: Tuesday, December 10, 2024 5:10 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
James Marrone
jam64350@gmail.com

**From:** Planning Department
**To:** "Christine Marshall"
**Subject:** RE: Public Comment Mountain Pure Concept Plan December 17 2024
**Date:** Wednesday, December 11, 2024 9:18:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Christine Marshall <balmertmarshall@icloud.com>
Sent: Tuesday, December 10, 2024 3:50 PM
To: Luke Seigfried <lseigfried@jeffersoncountywv.org>; Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: Public Comment Mountain Pure Concept Plan December 17 2024

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Good day Jefferson County Planning Commissioners,

Thank you for the opportunity to present my thoughts and ask questions regarding the Concept Plan for the Mountain Pure Water Bottling Project.

At the August 8, 2024 Planning Commission Meeting, the owner applicant was granted a waiver request from Sections 20.201 C and 20.202 of the Subdivision Regulations to allow a proposed 4 lot subdivision to process as a minor subdivision according to the Minutes for the meeting. However, in the end, the consultant Jason Gerhart agreed to combine Area 1 with Area 2, which is the flood plain/proposed conservation area (Area 1) with the vacant parcel (Area 2), the Area 3 is the lot with the existing building and Area 4, the lot where a proposed water treatment facility is to be located, resulting in only 3 lots or areas as was motioned by Matt Knott, and approved by the Planning Commission (please listen to the meeting for the audio).

In the current Concept Plan that is before the Planning Commission on December 17, 2024 there are now 4 lots that are different from what the waiver of August 8, 2023 granted. Area 1 is now combined with Area 3 (aka Parcel 4), Area 2 is now subdivided into 2 lots (aka Parcel 1 & Parcel 2), Area 4 (aka Parcel 3). The problem is that the proposal is inconsistent with the wavier that was granted. Can the Planning Commission move forward with the current proposal? Is it complete?

1) There appears to be 1 too many lots proposed unless Parcel 1 & 2 are to be sold as one lot.

2) The size and shapes of the lots in the wavier request are very different than what is presented in the Concept Plan.

_____-

Question:

1- Will this project, if approved, be sold to another owner? If so, who is the prospective owner?

2- How many owners will own the different parcels of this project? Will Parcels 1 & 2 have the same owner or different owners?

3- Will the current owner and applicant please provide the all Permits listed on the Concept Plan for completeness?

4- Will Mountain Pure Water Bottling need additional permits for water bottling? If so, from whom?

5- Has the State Health Department granted Sidewinder Enterprises or other entities commercial well permits (in addition to #21,258) and if so, what wells are they for and what are the permit numbers?

6- What are all the uses contemplated for on the various mentioned Parcels in addition to water bottling?

7- How will domestic sewage be disposed of?

8- How will any industrial reject water/wastewater or domestic wastewater be disposed of?

Christine Marshall

Jefferson County, WV

**From:** Planning Department
**To:** "Caleb Matlock"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:42:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Caleb Matlock <cjmatlo@gmail.com>
Sent: Tuesday, December 10, 2024 8:05 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Caleb J. Matlock

--
Caleb Matlock
cjmatlo@gmail.com

**From:** Planning Department
**To:** "ROBERT MCEACHERN"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:25:00 PM

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Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: ROBERT MCEACHERN <rmceachern2009@gmail.com>
Sent: Tuesday, December 10, 2024 10:36 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
ROBERT MCEACHERN
rmceachern2009@gmail.com

**From:** Planning Department
**To:** "elizabeth freedland mcgowen"
**Subject:** RE: Don't take our water!!
**Date:** Tuesday, December 10, 2024 1:30:00 PM

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Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** elizabeth freedland mcgowen <elizfmcgowen@gmail.com>
**Sent:** Tuesday, December 10, 2024 7:31 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Don't take our water!!

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
I received your brochure promoting your MountainPure project and I have several concerns not covered by the FAQ portion of your brochure.

1. Your cover states "Producing Reliable, Clean Water in the Mountain State. In actuality, your project will be extracting yet another natural resource from Jefferson County without producing a single drop of " Reliable, Clean Water". Taking resources from local residents and selling it elsewhere for profit is not the kind of "good corporate citizen, commercial taxpayer, and neighbor" we, the residents of Jefferson County are looking for.

2. In the first Frequently Asked Questions answer you state, "The water intended for the bottling will be sourced directly from Lake Louise" yet in later answer sections you indicate the water will be "groundwater produced by the (supply) well" and that water will be transported by a 12 " raw water line between Lake Louise and the bottling facility. Which is it? Either source, wells or Lake Louise, will stress the supply of water the residents of Jefferson County rely on.

3. Sidewinder Enterprises, LLC recognizes the possibility of a reduction in ground water supply and is trying to lessen the concerns of nearby residents by offering to monitor existing residential wells and redrill those wells if required, to meet County standards for a residential well, but within very specific distances of their planned facility. Neighbors of the facility are right to be concerned as are the rest of Jefferson County Residents.

4. By stating that your traffic study has been approved by the WVDOH doesn't do enough to address the concerns of the community which has historically narrow roads that are

not conducive to the high volume of large vehicle traffic to and from the facility.

5. While it is admirable that you have contacted the Middleway Fire Volunteer Department regarding fire hydrant placement near the facility. Where is the water needed to fill those supply lines to those hydrants going to come from during a major fire if the groundwater level is majorly affected by your bottling use?

West Virginia has a long history of outside companies coming into the state to exploit our natural resources.

Elizabeth F McGowen

Shepherdstown, WV 25443

**From:** Planning Department
**To:** "Rachael Meads"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:45:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Rachael Meads <RachaeMeads@gmail.com>
Sent: Tuesday, December 10, 2024 2:10 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Rachael Meads
RachaeMeads@gmail.com

**From:** Planning Department
**To:** "Zachary Meehan"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:56:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Zachary Meehan <eliasmeehan@gmail.com>
Sent: Tuesday, December 10, 2024 8:25 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely, Elias

--
Zachary Meehan
eliasmeehan@gmail.com

**From:** Planning Department
**To:** "Robin Meredith"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:13:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Robin Meredith <Robmeredith73@gmail.com>
Sent: Tuesday, December 10, 2024 10:01 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

We don't need anymore commercial plants taking over Jefferson county! This will impact the underground and above ground environment in a bad way!

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Robin Meredith
Robmeredith73@gmail.com

**From:** Planning Department
**To:** "Carrie Messenger"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:01:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Carrie Messenger <carriemess@hotmail.com>
Sent: Tuesday, December 10, 2024 8:36 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Carrie Messenger
carriemess@hotmail.com

**From:** Planning Department
**To:** "Tina Michael"
**Subject:** RE: Good afternoon, Planning Commission
**Date:** Wednesday, December 11, 2024 9:03:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Tina Michael <tinaomichael@gmail.com>
**Sent:** Tuesday, December 10, 2024 3:13 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Good afternoon, Planning Commission

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
My name is Tina Michael, I have been a resident of Middeway West Virginia for 32 years, will be 33 years come February 4, 2025. My husband and I have raised our family here and called this home for many years, unfortunately he passed away in 2015. Of an aggressive form of non-Hodgkin's lymphoma. Anyone who knew my husband knew that his lifestyle was not one that should put him in a high risk group to have experienced the fight that he had to fight during those months from diagnosis to death ( my only, conclusion ? could have been that our well was possibly contaminated whenever 3M or Kodak owned the plant and created the chemical plume ). Unfortunately, we assumed that the county or some subsidiary of the company was doing the cleanup on the property, as that was the information we were given many years ago, before my husband's illness and ultimate death.
So therefore, our attention was drawn to other things within our life, raising our children and being stewards of a wonder community, of which is why we choose to move here in 1992.

I am COMPLETELY against the proposal being granted for this bottling company on many levels:
1: It does not conform to the zoning ordinance.
2: The purposed amount of water extraction from the ground - bottle - and sell elsewhere is ludicrous.
3: The lack of transparency of this company is beyond mind boggling. ie; who is backing this adventure? Another country wanting to gain water rights. While destroying our community.
4: The what seems intentional lack of concern to hear from the residents in which this will affect. How do I come to this conclusion, by way of meetings being posted on such short notice and at times not convenient for residents to attend ( tomorrow's meeting with the Charlestown Utility Board at 4:00pm). It's almost seems that this has already been agreed

upon without proper representation by the PEOPLE.
5: At some point the county needs to realize that growth unfortunately needs to slow down. Unless of course you are trying to force out long time families, farmers and tax paying residents to make way for a Loundan county + 2.
6: There are so few Historical sites left in West Virginia, that one would think about preserving what we have here in our own back yard.
7: The fact that the 3M plant has sat vacant and unattended till now. Why hasn't some mediation to the chemical plume been fixed by the county. And I believe there is no plan to mediate it by the bottling company. Also as I can tell why is the chemical plume missing from the new concept plan. Is this to divert its attention somewhere else or just hide it from unsuspecting future investors. (My apologies if I miss read the plan.)
Why are residents only finding out about such ventures by their neighbors or family. I sure do get other letters and statements from the county, yet have not been formally notified ( with the exception of notification in the local paper that comes out on Wednesdays ).
8: If the county feels the need for more revenue in the county why not propose something that will actually benefit the community involved, and the county. Like when the casino came in and the hoops they had to jump through and they had to agree to give a certain amount of profits to the county and state to help with school and education and other needs.
Give us other options to think about rather than just shoving this water bottle company down our throats without even considering us as a community at large.
You can!!! as Commissioners say NO TO THIS PROJECT,
If you feel that your only duty is to make sure the correct boxes are filled out. Why don't we just go back to standardized forms like schools do for testing ). Have the company color in the circle and send it through a counting machine, then we don't need commissioner's.

Sincerely and with great hopes you read with an open mind and heart, and vote accordingly.

Tina Michael

**From:** Planning Department
**To:** "Cheryl Middleton"
**Subject:** RE: Feedback on Mountain Pure Concept Plan for 12/17
**Date:** Tuesday, December 10, 2024 5:07:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Cheryl Middleton <cmiddl01@yahoo.com>
Sent: Tuesday, December 10, 2024 9:49 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: Feedback on Mountain Pure Concept Plan for 12/17

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Hello:

The purpose of this email is to provide input to the Planning Commission on the revised concept plan submitted by Sidewinder for the Mountain Pure water bottling facility. We provided written feedback on the previous plan and the previous feedback still stands. This concept plan and applicant continues to lack transparency, and we believe it is intentional. We most recently received propaganda mailed to our home which continues to further the lack of transparency of what this project includes. This literature fails to provide clarity on the amount of water to be used, the quality of the water (e-coli) and volume/size of traffic, impacts to wells and the number of employees. The mailer doesn't bother to articulate that the 5 day "stress test" that they conducted was flawed as the water they pulled out went right back into the water source. Additionally, during another pumping operation, our family members witnessed the significant drop in water level at Lake Louisa. The "water study" conducted was not a water study to determine sufficient availability without impacting the community. It just showed that they could pump water from their well without going dry disregarding the impacts to others.

Has anyone reached out to Berkeley Springs to compare the magnitude of this project with their operations? They are fed by multiple springs and supplement with public water and what they produce in a year is approximately what this applicant plans to produce in a week. They also aren't sitting on karst land or dealing with large chemical plumes.

At the workshop last month, once pressured, the applicant noted out loud that they would provide well monitoring and replacement for those that are within 1000 feet of the source well. The revised concept plan just says well monitoring. What happened to the replacement but regardless, how is a new well going to help if there's no water to

go into it because this applicant is going to drain everything? Additionally, it will be more than just those within a 1/2 mile radius that will be affected by but regardless, if I run out of water one day, it's not like a new well could be dug and available the following day, so then what happens? Do we tell the cows, chickens and pigs that they just have to bear through it until water is available? Farming doesn't work like that. We also can't tell our crops that water will be available in a month once a new well is dug.

Also, during the last public workshop, one of the planning commission members shared with the applicant that if they wanted to be effective in Jefferson County, they really need to get out in the community and talk to those affected to ease our concerns. The only thing the applicant has done is thrown money at the community and has not bothered to come speak to the affected farmers and residents in Middleway about this issue. The applicant has not bothered to contact my family ( the Granthams), the Liskey's, or any of the other adjacent property owners to talk about our fears, our legitimate fears, that we will no longer have water to support our agricultural operations or even our homes. That's says a lot about this applicant because they know that there is no legitimate way to ease our concerns. Our irrigation wells and residential wells will be impacted. And it's not just those properties that are within 1000 feet of the well or within in Lake Louisa. Everyone in the Middleway area will be affected. The water table cannot support this operation.

What also doesn't support this operation is the counties own guiding documents and rules. I think the applicant as well as some county staff are taking a very interesting interpretation of our zoning ordinance. I would ask staff as well as the county attorney to take a really hard look at what the language in our actual guiding document says related to activities in the rural zone. The intent of the rural zone is for rural activities. What the applicant plans to do is to extract ground water for commercial sale. This is a commercial activity. Not a rural. This is not permitted in the rural zone. This is not a permitted activity.

What we also think is interesting is that additional documents related to the revised concept plan were posted online on 12/6/24 without any notice to the affected property owners or public. This was only discovered when we were revisiting the revised plan to prepare for the upcoming meeting. Wasn't the entire package supposed to be submitted prior to the ad being placed for the December meeting?

The revised plan also makes reference to providing water to up to 250 residents. How is this related to a bottling facility? It's not- this is a back door way of trying to create a public utility that no one asked for. So not only is this applicant going to take all of our water, now they want to sell it back to us not only in bottles but via an expensive water service? The people of Middleway do not want this and this is beyond inappropriate and unethical for anyone who has been involved.

WV is a right to farm state, however it appears are rights are being taken away from us in exchange for tax revenue and new business that will bleed the area dry and leave it in worse shape than it currently is in. Our local and state representatives and agencies have let us down in protecting our rights. It's astonishing what has been occurring behind the scenes. This includes the WV Development Authority, CTUB, DEP, DOH and anyone else who has done a "desktop review" without coming to Middleway and see how this type of project will negatively impact the residents. This is insanity.

The community has been paying attention and we will have much more to share at the meeting on the 17th that proves why this project cannot be approved.

The Planning Commission needs to deny this concept plan because:

-water extraction as a commodity for sale is not a permitted use in a rural zone

-the application is not complete and is deceptive in terms of what it is actually for

-the applicant does not have the appropriate permits and approvals to do what they are planning to do for either bottling or a public water utility

- this project will kill farming in Middleway

-impacts to wetlands and the ecology

Regards,

Cheryl Middleton and Andrew Upwright

Nearby affected property owners and farmers

# Frequently Asked Questions

**Q: Where will the water intended for bottling be drawn from?**

The water intended for bottling will be sourced directly from Lake Louise.

**Q: Has Mountain Pure conducted a study on the quality of the water on site?**

Yes, hydrogeological assessments were performed. The results of the assessments indicate that the use of Well MWB for potable supply at this rate is feasible, pumping continually or as needed, without impacting the aquifer source during periods of no imminent rainfall or snow.

**Q: How will water be transported from Lake Louise to the Mountain Pure facility?**

A 12" raw waterline has been engineered and approved by the West Virginia Department of Highways from the production well to the proposed new facility.

**Q: Will the wells on site be monitored regularly?**

With property owner consent, private wells within a half mile of the supply well shall be regularly monitored. A baseline for all wells within the study area shall be established prior to the start of operations at the co-packing plant.

**Q: Is the water safe to drink?**

The sampling collection and analysis findings report that the groundwater produced by the well is high- quality, spring water, suitable for consumption.

**Q: Will the water drawn from the aquifer be tested regularly?**

Water utilized shall be tested regularly for to maintain standards and compliance with both state and federal requirements for bottled water. This is a top priority.

**Q: Has Mountain Pure conducted a traffic study in Middleway?**

Yes, our traffic study of Middleway has been completed and approved by the West Virginia Department of Highways.

**Q: Will Mountain Pure hire local Jefferson County workers?**

Mountain Pure will work closely with the end user to prioritize hiring residents from the local workforce. Making employment opportunities for Jefferson County residents is one of Sidewinder's top priorities.

**Q: How many employees are anticipated to work at the water bottling facility?**

Based on economic trends, it's anticipated that over time, the co-packing facility may have three shifts, with approximately several hundred local employees.

**Q: How many vehicles will utilize Grace Road each day?**

Logistics vehicles used will be determined by the market. Parking lots shall be built on site for the utilization of the workforce and be constructed to meet West Virginia building standards.

**Q: Will Mountain Pure install a traffic signal to help offset increased traffic?**

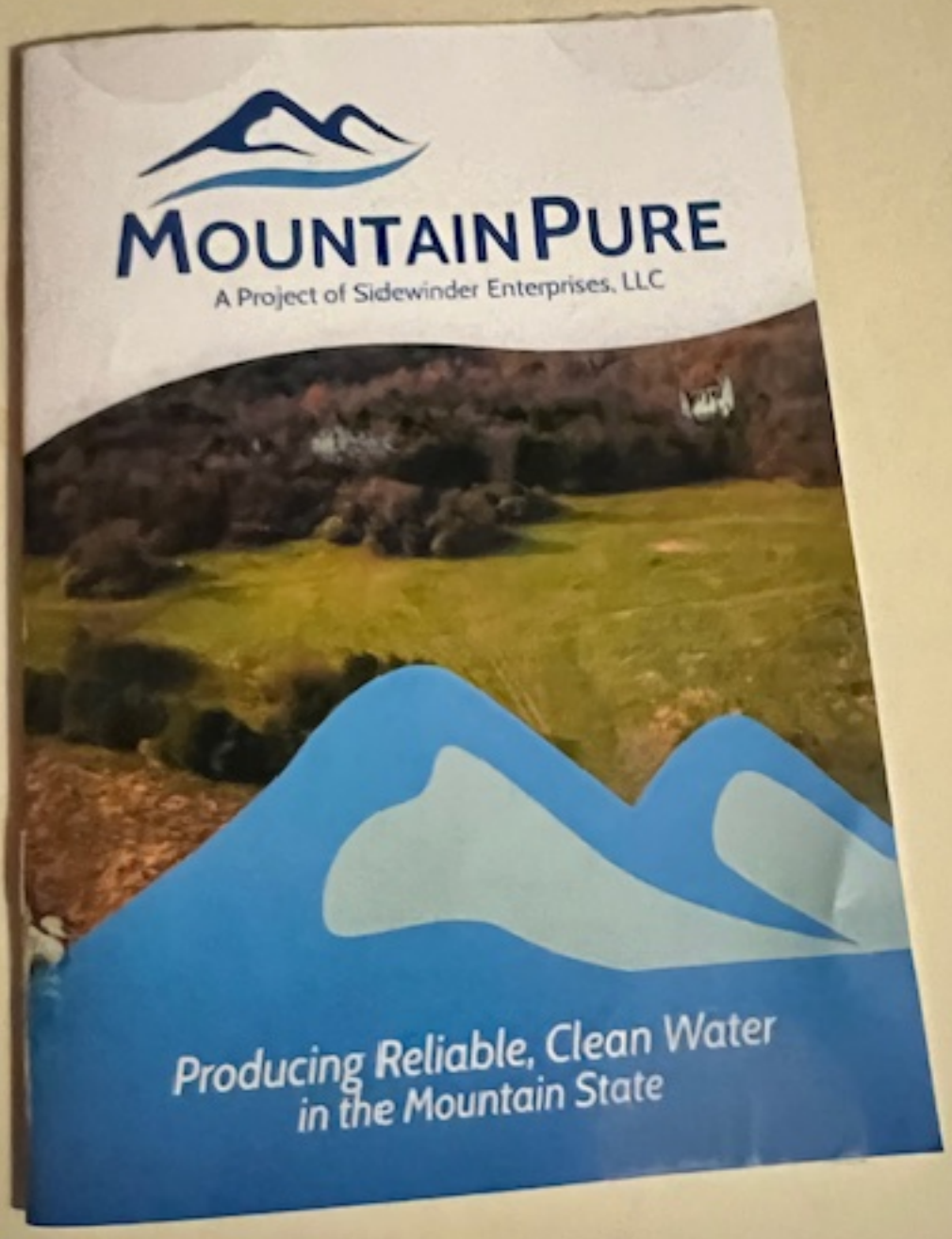
West Virginia Department of Transportation is expected to install a new traffic signal at the intersection of Route 51 and Leetown Road. As such, the intersection will be signalized prior to the start of facility operations.

**Q: Will my well be impacted by the co-packing plant?**

While we don't anticipate wells to be impacted based on results from our project hydrology report, if any impacts are seen by landowners within a ½ mile radius of the project site (as monitored) Mountain Pure will provide compensation for new wells to be drilled.

**Q: If my well is affected by the co-packing facility, will Mountain Pure build a new well?**

After start of construction for the bottling plant, property owners within 1,000 feet of the supply well can request a new well at any time up to two years after the start of plant operations. The well shall be provided upon request by the applicant and not subject to the well monitoring plan requirements.


MOUNTAIN PURE
A Project of Sidewinder Enterprises, LLC
Producing Reliable, Clean Water
in the Mountain State

**From:** Planning Department
**To:** "tjmilliron@comcast.net"
**Subject:** RE: Public Comment File 24-6-SP
**Date:** Wednesday, December 11, 2024 9:56:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** tjmilliron@comcast.net <tjmilliron@comcast.net>
**Sent:** Tuesday, December 10, 2024 5:00 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Cc:** tjmilliron@comcast.net
**Subject:** Public Comment File 24-6-SP

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Good Afternoon,
Please accept the following as written public comment to file 24-6-SP.

1. The Applicant has submitted additional information. The public seeking to be informed has had only 4 days to review the REVISED Application containing NEW information. The Plan was rejected as witnessed by many members of the public. The Review of the New Information should have been subject to the requirements of resubmitting a new plan including the 45 day wait time. Changes made to the concept plan should have been done during the 45 day period leading up to the Publication for the Public Hearing. If rejected, the clock starts again from the next regular meeting. The Revised Concept Plan should be considered a resubmission and subject to the 45 days leading up to the next REGULAR meeting. This has been, I believe, the requirements of other companies per policy. The planning commission clearly has set obstacles in front of the public and provided what appears to be special treatment for this company. The affected public deserves "equal dignity" to have the opportunity to review when it comes concept plans which can have significant negative impacts to public safety and potential economic ruin for some and not others.

2. Per code, Planning Commissioners have the right to discretion whereas, employees do not. Employees are the box checkers for completion. The Planning Commissioners are appointed by the Jefferson County Commission to use that discretionary judgement. In a 2005 case, Jefferson Utilities v Jefferson County, the matter had been discussed at length. It is clear that the function of the

planning commission is not exclusive to checking boxes. https://casetext.com/case/jefferson-utilities-v-jefferson-county
I heard several public officials publicly acknowledge that they realize the concerns of the residents are legitimate. The question is, why is our government continuing to use discretion to provide tons of waivers to the rules, yet doesn't use discretion when it comes to the general public's interest. This is puzzling and troubling.

3. It is further troubling that the planning commission did not use their discretion to insist on a water export/regeneration analysis. If you have lived in Jefferson for at least the last three years, you would have witnessed whole cities like Harpers Ferry run dry and using alternatives. What makes anyone think that a one way ticket for water is not going to exacerbate this situation? This is not a case of being able to ask forgiveness later. Economic preservation should not surpass the public safety and at the expense of farmers who are already taking a hit. I have heard about fire hydrants etc... but unless a regulated utility provides that, the company cannot provide assurances that pressure and maintenance would be met. The WVDOH permit for a pipe is in the hands of the Charles Town Utility Board (CTUB) I believe. Please investigate when and what agenda item that was at CTUB.

4. I am urging you to resist the temptation to reduce the planning commission to just checking boxes. Please vote NO on this concept plan until all "UNKNOWNS," like a water resource study and disclosing partnerships in outsourcing land purposes that could cause irreparable harm and alarm/panic to the public, are answered adequately.

Thank you.
Sincerely,
Jacquelyn Milliron (HF)

**From:** Planning Department
**To:** "Troy Miller"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:27:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Troy Miller <TroyNMillerWV@gmail.com>
Sent: Tuesday, December 10, 2024 4:04 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

First and foremost I want to emphasize that during my run for West Virginia House of Delegates for District 98 (including Middleway), I heard most residents and voters express a desire to support projects that support our existing agricultural industries including racing and farming and to oppose projects that extract resources from Jefferson County to benefit out of state customers and investors.

This project violates both of those concerns that I heard from voter after voter over the last year. I know that the County Commission candidates heard the exact same concerns, and vowed to support residents in both dimensions.

I encourage the planning commission to take these concerns from the community under consideration along with the issues listed below.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this

concept plan.

Sincerely,

Troy N. Miller

--
Troy Miller
TroyNMillerWV@gmail.com

**From:** Planning Department
**To:** "Suellen Myers"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:12:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Suellen Myers <willowsp@earthlink.net>
Sent: Monday, December 9, 2024 1:36 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Suellen Myers

--
Suellen Myers
willowsp@earthlink.net

**From:** Planning Department
**To:** "Rebecca Nelson"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:11:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Rebecca Nelson <Rebecca.nelson24@comcast.net>
Sent: Tuesday, December 10, 2024 8:55 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Rebecca Nelson
Rebecca.nelson24@comcast.net

**From:** Planning Department
**To:** "Margaret Nestor"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:07:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Margaret Nestor <Wvusmith@gmail.com>
Sent: Tuesday, December 10, 2024 3:26 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

I can't believe this is something our community has to fight! Who is representing the people of this county? As a life long resident this is so incredibly upsetting! Middleway being founded by my family, this is something no one would have guessed we'd have to battle. Raised in Middleway and knowing the small town community can't handle heavy traffic with the homes located some 3 ft from the road. Much of my family lived in Middleway! I have three family members with homes located on Queen St. My cousin's home is located not even 5feet from the edge of the road. His 6 year old son has Down syndrome and is non-verbal. I can't image tractor trailers traveling 30+mph whose stopping ratio far exceeds that of a car excessively going past their home to export our local resources!

Please, Deny Mountain Pure Water Bottling Facility in Middleway! Protect our community!

Deny the concept plan for this project because Groundwater Extraction is not even a permitted use in any zone in Jefferson County. The plan is crazy! Strip our local people and state of our resources for what benefit?

The people of this county do NOT want such! We need you to do your job and protect our resources. Stand up for the local people you represent and Deny any water bottling facility in Jefferson County!

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones. Hello, NOT even listed! Thus, just like all the foreign businesses taking advantage of our loose laws and policies in West Virginia for no benefit but their own.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.p

Sincerely,

--
Margaret Nestor
Wvusmith@gmail.com

**From:** Planning Department
**To:** "Diane Niedzialkowski"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:02:00 AM

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Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Diane Niedzialkowski <dianemniedz@gmail.com>
Sent: Tuesday, December 10, 2024 12:07 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

I am writing to express my very strong objection to the proposed Mountain Pure Water Bottling Facility in Middleway.

The proposed plan calls for 7.9 million gallons of groundwater extracted per day. This extraordinary withdrawal will undoubtedly affect wells for many of our private homes, farms and agricultural operations. Also, this large groundwater extraction can cause hazards in our fragile karst environment including sinkholes and subsurface collapse.

Finally, the please deny the concept plan for this project because groundwater extraction is not listed as a permitted land use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone, it is prohibited in all zones.

Thank for all your hard work in helping to protect our quality of life in beautiful Jefferson County. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Diane Niedzialkowski
Resident, Shepherdstown, WV
dianemniedz@gmail.com

--
Diane Niedzialkowski
dianemniedz@gmail.com

Dear Members of the Planning Commission,

I am writing to express my deep concerns about the Concept Plan submitted by Mountain Pure LLC for a water bottling facility in Middleway, WV. The approval of this project would severely jeopardize Middleway's historical significance, cultural heritage, and future potential as a tourism hub.

The Jefferson County Zoning and Land Development Ordinance includes provisions that support the preservation of historical and cultural resources. Specifically, **Section 1.1(B,K)** emphasizes the importance of protecting the county's historical assets. This provision indicates that the Planning Commission has a mandate to consider the impact of proposed developments on historical resources. Therefore, if a proposed project, such as the water bottling facility, poses a threat to the historical integrity of areas, like Historic Middleway, the Planning Commission has the authority to deny the Concept Plan based on this ordinance.

e. Middleway PGA
*(a historic village located between Charles Town and Inwood)*

Adjacent to the village is a vacant industrial facility with existing water, sewer, and natural gas utilities that, with some improvements, could also serve the village area. The vacant facility could be redeveloped for a variety of office/business uses and the historic Middleway area could be augmented in a pattern and scale compatible with the traditional village center. A map of the Middleway PGA can be found in Appendix F – Maps.

Additionally, the scale of the proposed facility is not compatible with Middleway's infrastructure. The concept plan for Middleway PGA does not align with the 2035 or 2045 Comprehensive Plan.

## Middleway's Historical Significance

Middleway is an unparalleled historical asset, designated as part of the top 3% of Civil War battlefields, with much of the **Battle of Smithfield Crossing** taking place across the entirety of Middleway, including the rural parcels where the wells for this facility have been drilled. This battle was critical in allowing Union forces to regain control of the Opequon Creek crossing on Bunker Hill Road and is recognized by the **National Park Service's American Battlefield Protection Program (ABPP)** as a Class D battlefield—one in good condition but under high threat. By disrupting both the battlefield and the historic village with industrial infrastructure, this project fundamentally undermines the preservation goals for Middleway and Jefferson County.





Pictured above horses drinking form the town well pump on the corner of Grace Street and Queen Street from the Civil War. To the right is the same angle.

Taylor, James E. *With Sheridan Up the Shenandoah Valley in 1864: Leaves from a Special Artist's Sketchbook and Diary*. Cleveland, OH: Western Reserve Historical Society. 1989. 332.

## Opportunities for Tourism and Economic Growth

Middleway has the potential to become a vibrant hub for heritage tourism. The **Legend of Wizard Clip**, America's first documented poltergeist, is gaining national attention and has the potential to draw significant pedestrian traffic. Coupled with its Civil War history and historic buildings, Middleway offers a unique opportunity for small businesses and tourism to thrive.

I recently held a ghost tour with over 30 people in attendance and had to have the Sheriff Reserve come and shut down Queen Street and walk with my group so I could make sure everyone could stay safe. People want to come to Middleway.

Currently, Middleway lacks the infrastructure to safely support pedestrian traffic, but with proper investment—such as a bypass road around historic Middleway and pedestrian-friendly infrastructure—this community could grow into a sought-after tourism destination. It's hard to imagine that being the case when you can barely walk around the town without being run over.

## Irreversible Damage from the Proposed Facility

The proposed bottling facility would not only overshadow Middleway's historic charm but also destroy opportunities for sustainable, tourism-based economic growth. The company has already stated in its first public workshop that they do not prioritize the village's history. Their large-scale operations would generate heavy destructive traffic, noise, and water resource impacts that are incompatible with the historic district. We cannot allow for the current traffic, much less the traffic this facility will bring, on our narrow roads. It needs to be protected. The

company stated the owners would discuss with the residents before the site plan submission about our concerns on traffic and historic preservation. Talking and doing anything about it are two different things. And why at that point would they start talking with us? They have been here for years and could never be reached. Before I knew their plans, I attempted to contact them several times to ask if I could go on their property to help clean up all the trash near where the bridge used to be. No response. They only started being philanthropic with Jefferson County in the summer of 2024.

Mike Dyck, representing the company, has suggested that Middleway could aspire to be like Hillsboro, VA. However, Hillsboro required over $30 million in traffic calming measures to address the very challenges we are facing—and we have been fighting for over a decade for similar relief from the Department of Highways (DOH) with no results. Does Sidewinder Enterprises or its unnamed "End User" plan to invest a comparable amount before breaking ground?

Even if operations are delayed until a light is installed, what about the traffic during construction? How much of Middleway's history will be lost due to accidents and damage to our homes while this project moves forward? It's not a question of "if" but "how much" the county will pay in corrective measures if this facility proceeds unchecked.

## Requests for Additional Studies and Investments

Please deny this Concept Plan, but if you do not, to ensure informed decision-making, I respectfully request the following:

1. A **Historical Traffic Impact Study and Historic Preservation Review by the state** to evaluate the effects of increased industrial traffic, building of the facility and the pipelines on Middleway's historic district.
2. **Archaeological Studies** of the industrial zone where parking lots and buildings will be placed, as well as the proposed pipeline areas to identify and preserve any potential historical or cultural artifacts.
3. A **Bypass Road** around historic Middleway to protect its character and improve safety for pedestrians and residents.
4. Additional **traffic calming measures**, such as speed cushions(safe for emergency vehicles to use), four way intersection stop signs, and historically accurate stone barriers to protect homes, before any construction begins
5. **Ground Penetrating Radar** along where the pipeline will be to ensure no unmarked graves are within several feet.



Graves of soldiers where the pipe will go in. It is undetermined if any are still buried here on East Street.

6. The company should **pay for our street lights**.
7. Consideration of **tourism-based economic development**, which could far exceed the short-term benefits of an industrial facility.

This concept plan insufficiently shows it will mitigate damage to historic properties and grounds and does not address traffic issues that the study they performed found. Approving this project would be a grave disservice to Middleway's history and its future potential.

As appointed representatives of the community's interests, you have the authority and responsibility to protect the residents of Jefferson County. We rely on your commitment to prioritize the safety, history, and character of our county over the interests of outside developers. Rejecting this Concept Plan would demonstrate that you are willing to take a stand for what matters most: the well-being and future of Jefferson County.

While there may be risks in rejecting the Concept Plan, the greater risk lies in moving forward without addressing these significant concerns. **We need you to act with courage and in the best interest of the people you serve**. Show us that you are here to protect our community, our history, and our resources for generations to come.

Thank you for your attention and commitment to protecting Jefferson County's heritage.

Sincerely,
Jessie Norris
Middleway Resident and President of the Middleway Conservancy

**From:** Planning Department
**To:** "Eric Oberg"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:33:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Eric Oberg <ericoberg540@gmail.com>
Sent: Tuesday, December 10, 2024 9:01 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Eric Oberg

--
Eric Oberg
ericoberg540@gmail.com

**From:** Planning Department
**To:** "Brendan O"Rourke"
**Subject:** RE: Mountain Pure
**Date:** Wednesday, December 11, 2024 8:53:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Brendan O'Rourke <bjaguar2011@gmail.com>
**Sent:** Tuesday, December 10, 2024 3:00 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Mountain Pure

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Hello,
My name is Brendan O'Rourke. My wife Kimberly and I are property owners in Summit Point and we stand with our Middleway neighbors in opposition to the Mountain Pure plant. We are most concerned with the volume of water extracted and its effect on the surrounding communities. Please reject any application that extracts Jefferson County water, we need it!

**From:** Planning Department
**To:** "Maria Parisi"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:16:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Maria Parisi <marias.stuff@yahoo.com>
Sent: Monday, December 9, 2024 8:59 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Hello, and please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

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Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Maria Parisi
Jefferson County resident

--
Maria Parisi
marias.stuff@yahoo.com

**From:** Planning Department
**To:** "Ande Payne"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:47:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Ande Payne <Andepayne23@gmail.com>
Sent: Tuesday, December 10, 2024 2:18 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Ande Payne
Andepayne23@gmail.com

**From:** Planning Department
**To:** "Chris Payne"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:48:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Chris Payne <Cmpayne032@gmail.com>
Sent: Tuesday, December 10, 2024 2:20 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Chris Payne
Cmpayne032@gmail.com

**From:** Planning Department
**To:** "Michelle Peake"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:29:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Michelle Peake <michelle@c21redwood.com>
Sent: Tuesday, December 10, 2024 10:27 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

I am a resident of Middleway and am concerned not only about the large amount of traffic in the small village of Middleway but the fact that our wells will run dry with zero repercussions to Sidewinder Enterprises. Jefferson County and that State of WV needs to quit selling out our natural resources to outside companies and states with no benefit to the citizens, counties, or State of WV. This company will be detrimental to our town and to our entire community.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--

Michelle Peake
michelle@c21redwood.com

**From:** Planning Department
**To:** "Rebecca Phipps"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:00:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Rebecca Phipps <beckyphipps502@gmail.com>
Sent: Tuesday, December 10, 2024 3:04 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

If you let this thing happen, what's left? To reject this monstrosity could be the beginning of the endgame where the beautiful state of West Virginia is no longer seen as a feudal territory by the other 49 states. You could be the planning commission that sets this positive trend in motion. Do it. Do it for your grandchildren.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--

Rebecca Phipps
beckyphipps502@gmail.com

**From:** Planning Department
**To:** "Kalika Miller Pitcher"
**Subject:** RE: Say NO to Mountain Pure
**Date:** Wednesday, December 11, 2024 9:29:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Kalika Miller Pitcher <kalika.kim@gmail.com>
Sent: Tuesday, December 10, 2024 4:23 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>
Subject: Say NO to Mountain Pure

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

To Whom It May Concern:

Please reject the proposal of Sidewinder Industries to build a Mountain Pure water bottling plant in Historic Middleway.

Preserve Historic Middleway. Conserve our Natural resources. Protect our environment.

Please don't allow a business from California to come in and exploit our natural resources for profit. This would be to the detriment of local residents who have to worry about water supply problems from such large extractions of water. Also, possibly changing our natural environments and local ecology.

Lastly, introducing large scale operations so close to historic Middleway could affect the historic district due to road usage/heavy traffic as well as building the pipeline from the wells to the proposed plant.

There is very little to be gained from this business, but there is a lot to lose.

Prioritize local residents and local historic treasures over out of state businesses.

Please say NO to Sidewinder Industries.

Sincerely,

Kalika Pitcher

Middleway area resident

Sent from my iPhone

**From:** Planning Department
**To:** "David Plummer"
**Subject:** RE: A public comment regarding the Mountain Pure Water Bottling Facility Concept Plan
**Date:** Tuesday, December 10, 2024 1:57:00 PM

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Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** David Plummer <sundogsdave@gmail.com>
**Sent:** Tuesday, December 10, 2024 8:28 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
**Subject:** A public comment regarding the Mountain Pure Water Bottling Facility Concept Plan

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

The concept plan for this project must be DENIED for the primary reason that groundwater extraction is NOT A BY-RIGHT PERMITTED USE anywhere in Jefferson County.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

ON A PERSONAL NOTE, I find this entire proposal offensive and an affront to our history and values here in Jefferson County. There are no redeeming factors whatsoever in this proposal, primarily massive groundwater extraction (and probable contamination) to the detriment of our residents, both residential and agricultural. PLEASE DENY.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

William David Plummer
Shepherdstown, WV

Dec 4 2024

I grew up in Middleway, my mother grew up in Middleway. So did Dad as a Virginia native.

When I was a young girl I would walk over to Lake Louise. I had a dog and a coat in tow. Fifty four years later I still remember seeing Lake Louise for the first time. It is ancient, it is quiet, and it is powerful. A giver of life or a taker.

I saw a bird there that I've never seen since. The spring peepers are our assurance that the long winter is ending.

Now a big fish (or serpent) wants to jump into our small pond. We know how that turns out.

Over the past decade I have seen the restoration of many homes I played in, visited, and sometimes explored as a nosy child.

It took an abiding appreciation of these homes for anyone to tackle projects like this.

We know nothing about Sidewinder, LLC. NOTHING They are saying things but where's any proof of financial stability. There is none. They can't replace our wells if we can't hold them to it legally. They went 255 feet, we have a 105 foot well.

I have two old horses that struggled through the summer heat. I apologized to them that I couldn't hose them down because we need to save water.

The Karst topography is the most delicate. It prefers not to be tampered with by water usage that disturbs it. This could have a huge financial impact on our Village, our county and perhaps our state. I strongly believe that I may have a large sinkhole that could consume a 1/4 acre. I know that it could happen anytime for any reason. But it almost feels like Lake Louise prefers quiet

and isolation to do her thing.

Some folklore has it that a farmer hauling turkeys went into Lake Louise and never found. True? Who knows? Kind of assures my thinking that Lake Louise has her secrets and needs to be left alone.

I would much rather see Middleway as the cool place with some great stories than to hear about it as the biggest Ruined Gem of West VA all for the sake of Someone exploiting our resources on their own. Sidecurdle has shown us no Community Spirit. We still do a lot of things here upfront & simple. They already have a website as if they are already hunkered down. How dare them?

This whole thing is an impractical grandiose dream that seems logistically Silly, very very expensive and a poor business decision that doesn't begin to belong here in a 300 yr old village.

Gaila Poston
69 Old Madison Lane
Middleway

P.S. Wizard Clip really is best left alone rather you believe a legend or NOT

**From:** Planning Department
**To:** "Tom Poteet"
**Subject:** RE: Mountain Pure
**Date:** Wednesday, December 11, 2024 8:00:00 AM

---

Good morning,

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Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Tom Poteet <tompoteet48@gmail.com>
**Sent:** Tuesday, December 10, 2024 12:03 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Mountain Pure

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Have we not had droughts the past two years? Though I do not live in Middleway, I do go to church there; and I value all of the good people who live and worship there. This seems like not a good plan. There are many more homes being built, there really is a change in the climate. The recent droughts really concern me . . . as they should the leaders of this county. Please do not approve the addition of the Mountain Pure project.

Thank you for listening.

Thomas L. Poteet
17 Augusta Ct
Charles Town, WV 25414

**From:** Planning Department
**To:** "Susanne Radford"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:54:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Susanne Radford <wjshradford@gmail.com>
Sent: Tuesday, December 10, 2024 11:36 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Susanne Radford
wjshradford@gmail.com

**From:** Planning Department
**To:** "Rawlings Farm"
**Subject:** RE: Proposed Water Bottling Plant in Middleway
**Date:** Wednesday, December 11, 2024 8:50:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Rawlings Farm <rawlingsfarmwv@gmail.com>
**Sent:** Tuesday, December 10, 2024 2:35 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Proposed Water Bottling Plant in Middleway

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Writing as concerned life-time and long-time residents, multigenerational farmers, active community members, and parents of future farmers, we once again want to convey our concern over a project permanently taking our groundwater out of the aquifers, away from agriculture, the residents, and nature, to sell it for profit.

We are also concerned about the potential threats to Middleway's historic buildings, relics, Civil War battlegrounds, and the final resting places of villagers and buried soldiers.

We certainly hope and and request that each and every Planning Commissioner takes their utmost due diligence to review all codes, ordinances, applications, permits, zoning protections, and statutes prior to making ANY decision regarding this project. Your position makes a HUGE impact on our community and it's a role that should not be taken lightly.

We strongly feel that the negative community impacts greatly outweigh the potential positive outcomes of this project, and therefore we urge you to DENY this concept plan and protect our groundwater and historically rich village of Middleway.

Thank you for your time,
William & Stacey Rawlings

**From:** Planning Department
**To:** "Edward Reifer"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:23:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Edward Reifer <e_reifer@yahoo.com>
Sent: Tuesday, December 10, 2024 1:40 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

As a resident of Jefferson County, I find it unacceptable to allow the extraction one of our most valuable resources by this proposed project.

We are in the midst of a drought. It is unimaginable that you would approve the depletion of our ground water at a rate of 8 million gallons a day.

Without adequate ground water access, thousands of county residents on well water would be impacted.

Farms and residential properties would become worthless.
Sink holes would occur without warning
Traffic through Middleway and on Route 51 would be paralyzed.

Please DENY this concept plan for the future of our children and Jefferson County.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not

use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Edward J. Reifer
350 N Childs Road
Kearneysville, WV  25430

--
Edward Reifer
e_reifer@yahoo.com

**From:** Planning Department
**To:** "Elizabeth Reinhart"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:55:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Elizabeth Reinhart <76violets@gmail.com>
Sent: Tuesday, December 10, 2024 11:44 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Elizabeth Reinhart
76violets@gmail.com

**From:** Planning Department
**To:** "Jakr Robertson"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:10:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Jakr Robertson <Jdrobertson23@gmail.com>
Sent: Tuesday, December 10, 2024 3:35 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Jakr Robertson
Jdrobertson23@gmail.com

**From:** Planning Department
**To:** "K Robertson"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:08:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: K Robertson <Kemrobertson@hotmail.com>
Sent: Tuesday, December 10, 2024 3:34 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
K Robertson
Kemrobertson@hotmail.com

**From:** Planning Department
**To:** "Lindsey Robertson"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:13:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Lindsey Robertson <Lmrobertson2024@gmail.com>
Sent: Tuesday, December 10, 2024 3:39 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Lindsey Robertson
Lmrobertson2024@gmail.com

**From:** Planning Department
**To:** "Michael & Judy Robison"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:01:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Michael & Judy Robison <mwrobi48@gmail.com>
Sent: Tuesday, December 10, 2024 9:40 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

We are former residents of Jefferson County WV and still have friends and acquaintances there. Water resources are valuable and our understanding of the scale of this proposed operation would pose a threat to water levels potentially affecting agricultural and residential uses in the county. Additionally, it would seem that this bottled water operation would strain road systems in the area because of the increased truck traffic necessary to ship the daily production from this proposed plant.

Thank you for accepting our comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--

Michael & Judy Robison
mwrobi48@gmail.com

**From:** Planning Department
**To:** "Deborah Rochefort"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:28:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Deborah Rochefort <ballata@comcast.net>
Sent: Tuesday, December 10, 2024 10:48 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Honestly, this concept plan is piracy, plain and simple. Even worse than piracy, as only humans tend to be the typical victims of pirates, while bottling our water to sell (!) somewhere else (!) would not only harm people, it would harm the plants, animals, and other creatures living here. No temporary profit can be worth that!

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County. With dwindling groundwater within the United States in general it should not be done anywhere, but extracting groundwater in karst will (not might) destabilize the land, creating sinkholes and other problems. Which, again, would create expenses and dangers far beyond any benefits the bottling plant claims to offer.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage (which I very sincerely hope you do not), please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--

Deborah Rochefort
ballata@comcast.net

**From:** Planning Department
**To:** "Dawn Rodgers"
**Subject:** RE: No to Mountain Pure
**Date:** Wednesday, December 11, 2024 9:09:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Dawn Rodgers <dmbynaker@gmail.com>
**Sent:** Tuesday, December 10, 2024 3:34 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** No to Mountain Pure

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
As a homeowner on a well near the Middleway area I do not want to see a water bottling plant built and operating in the county. This is going to drain our natural resources and put a strain on your constituents.
Please do not let this happen.

Dawn Rodgers

**From:** Planning Department
**To:** "Naomi Rohrer"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:02:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Naomi Rohrer <hearmerohrer@gmail.com>
Sent: Tuesday, December 10, 2024 3:06 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Naomi Rohrer
hearmerohrer@gmail.com

**From:** Planning Department
**To:** "Mark Rushing"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:44:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Mark Rushing <Markusaf81@yahoo.com>
Sent: Tuesday, December 10, 2024 11:10 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Mark

PS this is absurd that we have to fight to keep water in our wells and to keep the government from allowing this nonsense.

--
Mark Rushing
Markusaf81@yahoo.com

**From:** Planning Department
**To:** "Lydia Russo"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:27:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Lydia Russo <Lm_russo@yahoo.com>
Sent: Tuesday, December 10, 2024 8:57 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Lydia Russo
262 Baltusrol Drive
Taxpayer and registered voter.

--
Lydia Russo
Lm_russo@yahoo.com

**From:** Planning Department
**To:** "Kay Schultz"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:23:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Kay Schultz <kay.nixschultz@gmail.com>
Sent: Monday, December 9, 2024 11:35 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan and tell the developer that Jefferson County groundwater is not a commodity for sale. Our groundwater is a public good on which our future life and health depend. It is not available to a commercial enterprise for profit.

To reframe the issue - West Virginia has long suffered from an extractive economy. That practice never benefitted the people, other animal and plant life nor our aquatic resources. It is critical that Jefferson County have the clarity and courage to protect our natural resources including ground water, forests, agriculture, wetlands and streams, lakes and rivers. The weather patterns of the past are no indicator of the future - drought and rainfall patterns are more and more variable and intense as we've recently learned with the terrible impacts of Helene. Thus, a water study, while very important step to guide future development in the County cannot simply look to the past and must recognize the risks and resiliencies to our ground and surface water with climate change. It is foolish and unwise to permit the extraction of this important, necessary resource for our future wellbeing for the profit of a commercial enterprise.

Additionally, the proposed site is a superfund site, under which are stored toxic chemicals. Sucking groundwater from the area puts at risk its pollution from these toxic drywells. Because groundwater travels north through fractured rock and moves rapidly in karst geology, this action could put at risk the health of drinking water and agricultural irrigation for more than half of the County.

Additionally, permitting the generation of more plastic waste is negligent. I would hope that we have learned to do better.

Please deny the concept plan for this project also because Groundwater Extraction is not a permitted use in any zone

in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Kay Schultz
kay.nixschultz@gmail.com

Resident of Middleway, born and raised here!!

My home is on the corner of Grace and King Street, my husband was born and raised here, almost 67 years!  I've lived here for over 35 years.

You have heard from numerous people, at the last meeting and again in this one, the many valid reasons why this plan should not be approved to go forward, including:

- Groundwater extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance
- Lack of a comprehensive water study and environmental impact assessment
- Need for an alternative route for the high volume of heavy vehicle traffic planned through our village
- We have no other source for water, what do we do for water when our wells run dry????

Extensive data have been provided showing that the extraction of this volume of groundwater can threaten local infrastructure, property, and even lives; therefore, if you claim you are unable to stop this plan and fail to do so despite all the very real hazards it invites – dry wells, sinkholes, traffic accidents, groundwater contamination, and more – it points to as yet unspoken and unsavory reasons, but very plausible ones:

- Bribes and Kickbacks

## Do not allow your greed to ruin our lives.

**From:** Planning Department
**To:** "James Siegel"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 8:10:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: James Siegel <jimmyjsiegel@gmail.com>
Sent: Tuesday, December 10, 2024 12:23 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

I live in Shepherdstown. I am like so many Jefferson County residents completely dependent on well water for my home and work office. Jefferson County should not give away its limited groundwater resource to a company that will sell hundreds of millions of gallons of water each year for their profit. The cost benefit analysis to this transaction would show this exchange as a unmitigated resource loss to all residents of the County.

Nowhere in the Jefferson County Zoning Ordinance is groundwater extraction for profit a permitted use in any zone. The concept plan design for the bottling plant requests exactly that, a non-permitted land use in Jefferson County.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

Thank you for your public service.

Sincerely,

James Siegel

157 Heather Lane, Shepherdstown

--
James Siegel
jimmyjsiegel@gmail.com

**From:** Planning Department
**To:** "Carmen Slater"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:33:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Carmen Slater <slater.carmen@gmail.com>
Sent: Tuesday, December 10, 2024 7:56 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Carmen Slater
slater.carmen@gmail.com

**From:** Planning Department
**To:** "Judy Slusher"
**Subject:** RE: Mountain Pure
**Date:** Wednesday, December 11, 2024 8:24:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Judy Slusher <judyslusher1@gmail.com>
**Sent:** Tuesday, December 10, 2024 1:45 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Mountain Pure

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Please reject the concept plan for Mountain Pure Project in Middleway WV

Thank you
Daniel and Judy Slusher

**From:** Planning Department
**To:** "Barbara Smith"
**Subject:** RE: Water Rights!
**Date:** Wednesday, December 11, 2024 9:49:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Barbara Smith <bsmith1830@gmail.com>
**Sent:** Tuesday, December 10, 2024 4:57 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Water Rights!

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Dear Planning commissioners,

I would like to address our state's protection to ground water thanks to our legislature's WV code 22-12, which speaks to our state's groundwater.

The first four amendments direct public protections!

(1) West Virginia has relatively pure groundwater resources which are abundant and readily available;

(2) Over fifty percent of West Virginia's overall population, and over ninety percent of the state's rural population, depend on groundwater for drinking water;

(3) A rural lifestyle has created a quality of life in many parts of West Virginia which is highly valued. Maintaining this lifestyle depends upon **protecting groundwater** to avoid increased expenses associated with providing treated drinking water supplies to rural households;

(4) **West Virginia's groundwater resources are geologically complex, with the nature and vulnerability of groundwater aquifers and recharge areas not fully known;**

Articles to the code deal with "Maintaining and protecting the state's groundwater resources.

I will not bore with all the legal jargon but make no mistake that the state prides itself on its ground and surface water.

Being good stewards to our state and its citizens should be your number one focus, as long as you are not blinded to the shimmering coin that has been sprinkled across our county.

Lastly I would like to leave you with a legal out!The actual article is 96 pages but it clearly states that the water shall not be impeded for the other citizens who use the water too.

***https://case-law.vlex.com/vid/roberts-v-martin-et-888611729***

**72 W.Va. 92**

**Roberts**

**v.Martin et al.**

**Supreme Court of Appeals of West Virginia.**

**Submitted September 12, 1911.**

**Decided February 25, 1913.**

**This is just a small copy of the case which I felt was important.**

4. Same.

The right of a lower riparian owner to the natural flow of the stream is subject only to a **reasonable use** of the water by the upper riparian owners as it runs through their lands before reaching his.

Plaintiff, whether he has a mill or not, and regardless of the fact that the mill has been operated on the stream for many years, is entitled as a riparian owner to have the stream which washes his land flow as it is wont by nature without diminution or alteration. He may insist that the stream shall flow to hi? land in the usual quantity, in its natural place and at its natural height, and that it shall flow of! the land to Ins neighbor below in its accustomed place and at its usual level. While he has no property in the water itself, yet his right to the natural flow of the water will be.regarded and protected as property. His right to have the water pass his land in its natural current is not an easement or appurtenance; but it is a right annexed to the soil which he owns. The right exists *jure naturae* as parcel of the land. Gould on Waters (3rd ed.), sec. 201; Pomeroy on Riparian Rights, sees. 7-9. The flow of the water in its natural way and at its natural height is a part of plaintiff's landed estate. Interference with the flow is the infringement of a property right of plaintiff for which he may have redress as readily as for violation of his right to any other portion of the soil.

"A diversion of a natural watercourse, though without actual damage to a lower riparian owner, is an infringement of a legal right **and** imports damage."West Virginia Water Laws Water Regulation and Water rights DEP.WV.gov

Please remember your oath to our long time citizens and let not your eyes be blinded to the shimmering coin that is being sprinkled across our county by a snake.

Respectfully

Barbara A. Smith

**From:** Planning Department
**To:** "Christopher Smith"
**Subject:** RE: Bottling Plant
**Date:** Wednesday, December 11, 2024 9:53:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Christopher Smith <cyprinidchris@gmail.com>
**Sent:** Tuesday, December 10, 2024 4:58 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Bottling Plant

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
My name is Christopher Smith, the 8 time grandson of the individual who founded the town of Middleway. I currently reside in the aforementioned town of which the bottling plant wants to go in. As a new homeowner entering my 30's, I am deeply concerned about the negative real`ities of this plant going in here. I hold a Bachelors of Science from the WVU Davis College of Natural Resources. Having such an education, I cannot begin to tell you of the countless horror stories I heard in school where a company comes into a small town, abuses the natural resources and screws over the community and it's people. This sounds exactly like many of those scenarios. The well for my house, as long as many of the others in the area already has issues due to them not being the deepest. I am concerned if this bottling plant comes in all of the residence wells will have to be redrilled or dry up completely. I also am deeply concerned about the traffic (which is already bad enough) and how this will affect the community.
I would like to say that I and all members of my family greatly resist this plant coming here. They are not welcome here. However, if it were to be passed, then we need legal assurances from the company to protect Middleway and it's members from things like, loss of water, pollution of water, and degradation of infrastructure. If somehow this gets passed and negatively impacts my community; I promise, I will make sure none of you ever hold another public office for the rest of my life, political affiliations aside.

Thank you for your time,
Christopher Smith

**From:** Planning Department
**To:** "ciderdrive@aol.com"
**Subject:** RE: MIDDLEWAY W.VA.
**Date:** Wednesday, December 11, 2024 9:46:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** ciderdrive@aol.com <ciderdrive@aol.com>
**Sent:** Tuesday, December 10, 2024 4:53 PM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** MIDDLEWAY W.VA.

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

As a property owner in Middleway WVa. I need to voice my concern about an out of state identity, Mountain pure bottle company coming into our state and robbing us of our natural resources.

We as a state have been raped of our resources from the virgin timbers to coal. Only ones who benefited were the greedy companies who made the big money and left my state in shambles.

I believe a independent study from an reputable water environment specialist should do a independent study of the draining of lake Luisa, turkey runs head water. I have seen it flood and in dry times become a trickle of water. Any study by a participant in this should be invalid and hear again, performed by an out side identity.

I also have a concern as to why this needs to be approve so soon and not discussed more after the first of the year.

I read where the ground is polluted with chemicals at the sight where a facility is to be built. Are you concerned at all about the future of Jefferson County and that of its children and grand kids.

Water runs down hill until the head of the water goes low enough for water to return from which it came. If you think about it this you see the potential of another Dupont in W Va. Waters.

Do not risk this by approving the plan. Have the organizers of the concept plan put 800 billion dollars up to cover damages.

I fear this is coming as I hear they ignore peoples of Middleway s concern. Do what right and put them in their place. Berkley county said No

Do You have the nerve to stand up for the citizens of Jefferson County, if not. step down

please.
DO the right thing. Get out side opinions from our own surrounding water experts.

ROBERT A SMITH
542 CIDER DRIVE
BUNKET HILL W VA.
Sent from AOL on Android

**From:** Planning Department
**To:** "Joanne Snead"
**Subject:** RE: Vote "no" on Mountain Pure Water Bottling Facility
**Date:** Tuesday, December 10, 2024 5:57:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Joanne Snead <joanne_snead@yahoo.com>
**Sent:** Tuesday, December 10, 2024 11:48 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>
**Subject:** Vote "no" on Mountain Pure Water Bottling Facility

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

At a time when Jefferson County is already struggling with adequate, clean water, it is imperative that you reject adding an industry to our county that could further threaten our water supply. I urge you to vole "no."

Thank you.

Joanne Snead
Shepherdstown WV

304-703-7937

**From:** lcspreen@comcast.net
**To:** Planning Department
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 12:13:37 PM

---

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Here you go... with corrected spelling.  Thank you sooooo much!

Lois Spreen

---

Dear Planning Commissioners,

The proposed bottling plant does not appear to be a good "reuse" of the 3M plant. From what I understand, the bottling plant will be bottling water that will be extracted from the site at an incredibly high rate/day without regard to the "downstream" impacts this might have on neighboring properties, farms, our fragile karst geology, and even on some of the residual pollution left by 3M.

Water extraction - particularly at the rates proposed - should not be allowed.

Thank you,

Lois Spreen

Shepherdstown, WV

---

-----Original Message-----

From: Planning Department <PlanningDepartment@jeffersoncountywv.org>

Sent: Wednesday, December 11, 2024 11:34 AM

To: lcspreen@comcast.net

Subject: RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good morning,

Of course, send the corrected version over and I'll swap out the submissions!

Colin Uhry

Planning/Zoning Clerk

Office of Planning and Zoning

304-728-3228

-----Original Message-----

From: lcspreen@comcast.net <lcspreen@comcast.net>

Sent: Wednesday, December 11, 2024 11:31 AM

To: Planning Department <PlanningDepartment@jeffersoncountywv.org>

Subject: RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Colin,

I am mortified by the number of typos in this submission.  Ugh.

Any way I can resend with corrections?

Lois Spreen

-----Original Message-----

From: Planning Department <PlanningDepartment@jeffersoncountywv.org>

Sent: Wednesday, December 11, 2024 8:59 AM

To: Lois Spreen <lcspreen@comcast.net>

Subject: RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk

Office of Planning and Zoning

304-728-3228

-----Original Message-----

From: Lois Spreen <lcspreen@comcast.net>

Sent: Tuesday, December 10, 2024 3:02 PM

To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com

Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

The proposed bottling plant does not appear to be a good "reuse" of the 3M plant. From what I understand, the bottling plant will be bottling water that will be extracted from the site at an incredibly high rate/day without regard to the "down stream" impacts this might have on neiboring properties, farms,our fragile karst geology and even on some of the resididual polution left by the 3M.

Water extraction - particulalry at the rates proposed - should not be allowed.

Thank you,

Lois Spreen

Shpeherdstown, WV

--

Lois Spreen

lcspreen@comcast.net

**From:** Planning Department
**To:** "Stephen Staub"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 10:13:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Stephen Staub <Juststeveok@yahoo.com>
Sent: Tuesday, December 10, 2024 6:06 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Stephen Staub
Juststeveok@yahoo.com

**From:** Planning Department
**To:** "Nancy Stewart"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:53:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Nancy Stewart <Nestewart826@gmail.com>
Sent: Tuesday, December 10, 2024 11:32 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Our rich agricultural production is at risk with the prospect of  not only a project such as you want to implement, but with the rapid residential growth in the county which will further tax our water supply.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely, Nancy Stewart

--
Nancy Stewart
Nestewart826@gmail.com

**From:** Planning Department
**To:** "colleen straus"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:48:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: colleen straus <julblue26@aol.com>
Sent: Tuesday, December 10, 2024 8:10 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
colleen straus
julblue26@aol.com

**From:** Planning Department
**To:** "Michelle Thawley"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:43:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Michelle Thawley <shellythawley9@gmail.com>
Sent: Tuesday, December 10, 2024 4:45 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

The karst region of the eastern panhandle has some of the most vulnerable ground water drinking water supplies in the nation. There is plenty of published data to support this notion. It is stunning to think that such a land use, which does not appear to be in line with zoning regulations, could be considered in such a vulnerable area. The plan does not speak to the unusual ground hydrography of the region which is a startling omission given the relative importance of ground water vulnerability. Property owners and residents are now at great risk due to drought, aquifer depletion and groundwater pollution.

The new county commissioners plan for the county seems to have no zoning protections at all. I attended my first ever planning meeting recently and it was clear to me that the citizens of Jefferson County want the protections that zoning brings. I did not hear any speakers who were in support of removing zones protections.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Michelle Thawley

--
Michelle Thawley
shellythawley9@gmail.com

**From:** Planning Department
**To:** "Rebecca Thompson"
**Subject:** RE: Concept Plan for Mountain Pure Water Bottling Facility
**Date:** Tuesday, December 10, 2024 1:17:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

**From:** Rebecca Thompson <beccatmail@gmail.com>
**Sent:** Tuesday, December 10, 2024 12:45 AM
**To:** Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; Jware@greenhorizonsturf.com; hefestay@yahoo.com; Donniefisher@yahoo.com; tim@rsdhorseauctions.com; Howell.Aaron.J@gmail.com; Carolineakeys@gmail.com
**Subject:** Concept Plan for Mountain Pure Water Bottling Facility

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**
Please accept my comment on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

PLEASE DENY THE CONCEPT PLAN BECAUSE GROUNDWATER EXTRACTION IS NOT LISTED AS A PERMITTED USE IN THE JEFFERSON COUNTY ZONING ORDINANCE.
BECAUSE IT IS NOT LISTED AS A PERMITTED USE IN ANY ZONE, IT IS PROHIBITED IN ALL ZONES.

Also, a pollution plume of trichloroethylene and dichloroethylene exists at the site of the proposed water bottling facility.
Due to the karst hydrogeology of this region, if large amounts of groundwater are extracted, as the concept plan states the facility will do, it is very likely the walls and/or roofs of the caverns or spaces which are currently supported by groundwater, will collapse.When this occurs, it could cause the pollution plume to be dislodged, thereby, highly contaminating groundwater in other areas with cancer causing chemicals, including PFAS, the "forever chemicals." There is no safe level of PVAS to consume.

This would be catastrophic for any surrounding residential areas on well water, as well as all farmers.

I live in Summit Point and my house is approximately six miles away from the facility. I am very familiar with karst hydrogeology and am extremely concerned that the facility could highly contaminate my well. I am also very concerned that the facility could potentially cause my well to go dry, as well as the wells of my neighbors and surrounding farmers.

Farmers, as well as those who raise and care for livestock, including horses, rely on groundwater and will be unable to operate if the groundwater is contaminated or their wells run dry.

If you allow the water bottling facility to be built, it could put an end to farming in a large portion of the county, as well as leave countless residences with highly contaminated well water or perhaps no water at all due to dried up wells.

PLEASE DENY THE CONCEPT PLAN FOR THE MOUNTAIN PURE WATER BOTTLING FACILITY IN MIDDLEWAY.

Thank you for your time and consideration.

Sincerely,
Rebecca Thompson
Resident of Summit Point for 25 years

**From:** Planning Department
**To:** "Jo Trent"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 1:52:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Jo Trent <jojotrent@gmail.com>
Sent: Tuesday, December 10, 2024 8:16 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Jo Trent
jojotrent@gmail.com

**From:** Planning Department
**To:** "Marie Uehling"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:58:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Marie Uehling <meuehling@gmail.com>
Sent: Tuesday, December 10, 2024 9:17 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely, Marie Uehling
Harpers Ferry, WV

--
Marie Uehling
meuehling@gmail.com

**From:** Planning Department
**To:** "Michaela Van mecl"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:27:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Michaela Van mecl <michaelavanm@gmail.com>
Sent: Tuesday, December 10, 2024 10:38 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Michaela Van mecl
michaelavanm@gmail.com

**From:** Planning Department
**To:** "Al Vertino"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:49:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Al Vertino <Vert1492@gmail.com>
Sent: Tuesday, December 10, 2024 11:28 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Al Vertino
Vert1492@gmail.com

**From:** Planning Department
**To:** "Greg Welter"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:21:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Greg Welter <weltergj@gmail.com>
Sent: Monday, December 9, 2024 12:22 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

I have heard that an opinion was expressed at the public hearing on this subject that the Planning Commission does not have the legal authority to deny permission for this development on the basis of groundwater extraction concerns, because this is the purview of the state. However, in fact the state does not have any program for proactive review and assessment of proposed groundwater withdrawals, and only has a protocol for reporting on such withdrawals after the fact, with no provision for limitation. In the face of this, it is incumbent on the local authorities to exercise their authority for protection of the groundwater resource.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely, Greg Welter
Board Certified Environmental Engineer

80 Shepherd Village Circle.
Shepherdstown, WV 25443

--
Greg Welter
weltergj@gmail.com

December 10, 2024

County of Jefferson, West Virginia
Office of Planning & Zoning
116 East Washington Street
Charles Town, WV 25414

Re: Mountain Pure
Concept Plan /
24-6-SP Major Site Plan

Dear Planning Staff:

I am Ryan White, a resident of 5462 Middleway Pike located in Kearneysville, West Virginia. I am a professional Landscape Architect and have worked for 25 years in civil engineering, surveying and land planning. My property is adjacent to the property identified as #32 owned by William E & Lisa Hewitt of 395 Lake Louise and is situated approximately 1,100 feet from subject site shown as #30 Lake Louisa & Springs recently purchased by Sidewinder Enterprises LLC.

I am opposed to the proposed development and believe it is not consistent with the Comprehensive Plans Objectives. The county already has additional demands on its water and sewer infrastructure, this project will place higher demands on available water for our residents. Who will be responsible for providing public water to those citizens whose water supply or well has run dry for those that pull from this aquifer? This project does not appear to protect our water supply for future beneficial uses to our community and furthermore is based solely upon a private economic objective.

WV Ground Water Protection act.

§22-12-2. *"This act pertains only to the groundwater of West Virginia. Over fifty percent of West Virginia's overall population, and over ninety percent of the state's rural population, depend on groundwater for drinking water;*
*The Legislature establishes that it is the public policy of the state of West Virginia to maintain and protect the state's groundwater so as to support the present and future beneficial uses and further to maintain and protect groundwater at existing quality where the existing quality is better than that required to maintain and protect the present and future beneficial uses. Such existing quality shall be maintained and protected unless it is established that (1) the measures necessary to preserve existing quality are not technically feasible or economically practical and (2) a change in groundwater quality is justified based upon economic or societal objectives. Such a change shall maintain and protect groundwater quality so as to support the present and future beneficial uses of such groundwater.*

I am opposed as our community has not seen any meaningful information with regards to how the developer will maintain and protect our ground water.

*Comprehensive plan 2025; Objective (2.) "Pursue funding sources to commission a water quantity and quality study to be performed to assess available water resources in the County."*

The economic growth and development of Jefferson County is closely tied to the availability of Natural Resources, in this case water. Why are we giving up our most valuable resources away with no benefit to the local community? I am concerned that this aquifer has not seen withdrawals to which are 100% consumptive and for extended periods of time with zero re-charge of water back into the aquifer.

I am most concerned as this is the same aquifer from which I draw water. The proposed well casing for applicants' use is deeper than the well for my residence. What happens when the water level drops below normal levels and me, and other residents have a dry well.

This application does not comply with the Zoning Ordinance and is not listed as permitted use. 'Appendix C' and per 1.3.d. Any Use Not listed is deemed not prohibited. In order to provide for the Applicants' desired inclusion, they may apply for text amendments. (Article 12).

In addition, the Land use & Planning, Ch.8 Article 7.10e - effect of zoning ordinance under part (**i.**) the complete use of natural resources by the owner. Owner is not using the water on the site or zoning classification proposed to which the primary well resides and is being sold for market profit.

Furthermore, mineral extraction (resource) only by conditional use.

It appears that the newly proposed waterline is to be constructed within the WV Rte.51 Middleway Pike, Old Middleway Road, East Street, Grace Street, & Bunker Hill Road. The proposed waterline is approximately 2 miles of pipeline infrastructure. It is unclear based on the concept plans provided what the overall impacts are to the community to construct this infrastructure.

a.) Is the proposed waterline to be "Public" or "Private"? It seems a bit disingenuous to the surrounding community to build water infrastructure for its sole proprietary use.
b.) Can adjacent residents abutting the waterline be provided with new service connections for metered use and consumption at no cost to homeowner?

Has an environmental impact analysis been performed to see if any historic impact, significant impact on trees, etc.? Historical structures are in close proximity to work activities required, will there be blasting or hammering that can cause existing buildings any structural damage?

Has there been a transportation analysis prepared incorporating the second nearest intersection at Middleway Pike & Old Middleway Road. This intersection is very dangerous and needs to be considered.

Questions?

1. Where is the location of Berkley Co. Water/Sewer extension being proposed?
2. Does this water extension impact any natural environmental features?

Prior to staff approving the amended Concept Plan, we recommend the following:

1. Applicant shall not use ground water for sale or bottling
2. If the water bottle plant is to exist primary access shall not cut through old historic Middleway. Applicant to provide a Bypass roadway connection.
3. Applicant to provide mitigation measures to accommodate those who experience failure resulting from the pulling of nearby ground water.
4. Applicant to provide a transportation signal warrant analysis to be performed prior to proposed development at the intersection of Middleway Pike & Old Middleway Road.
5. Applicant to provide a second warrant analysis at the intersection of Middleway Pike & Old Middleway Road, once plant is up and running for approximately 1 year, be performed at this intersection and be subject to intersection modifications necessary if warranted.
6. Applicant to provide Public Use Space with Hiker/Biker trails for citizens to utilize and have access to one of the county's natural streams and wildlife.
7. Applicant to provide a historical significance inventory for the buildings adjacent to the proposed waterline installation.

Based on these factors, at the very least, this proposal should be deferred until more information has been gathered to address all these many concerns. It is within your right as the planning commission, to delay until adequate information has been received as this will have many lasting impacts to the community.

Should this project move forward, I do request well monitoring and am located within ½ mile from the supply well.

Thank you,

Ryan & Sherry White

**From:** Planning Department
**To:** "Rachel WILKINSON"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:47:00 PM

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Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Rachel WILKINSON <wilkinsonrachel12@gmail.com>
Sent: Tuesday, December 10, 2024 11:16 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Rachel WILKINSON
wilkinsonrachel12@gmail.com

**From:** Planning Department
**To:** "Rose Wilson"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:42:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Rose Wilson <riewilson@me.com>
Sent: Tuesday, December 10, 2024 4:39 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

I ama native West Virginian and want to conserve the land and its beauty in my state. Please note the comments below!

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Rose Wilson

--
Rose Wilson
riewilson@me.com

**From:** Planning Department
**To:** "Susie Wimer"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 10:04:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Susie Wimer <Susiewimer@yahoo.com>
Sent: Tuesday, December 10, 2024 5:04 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

We must not make the equine and agricultural industries bare the risk that this development will pose. Please do not allow them to use groundwater for bottling.

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

Please deny the concept plan for this project because Groundwater Extraction is not a permitted use in any zone in Jefferson County.

The applicant has indicated in the new version of the concept plan that the development will extract groundwater for bottling. Groundwater Extraction is not listed as a permitted use in the Jefferson County Zoning Ordinance. Because it is not listed as a permitted use in any zone it is prohibited in all zones.

If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Susie Wimer
Susiewimer@yahoo.com

**From:** Planning Department
**To:** "Elizabeth Wisecarver"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:20:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Elizabeth Wisecarver <eawisecarver@yahoo.com>
Sent: Monday, December 9, 2024 6:20 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,
Elizabeth Wisecarver

--
Elizabeth Wisecarver
eawisecarver@yahoo.com

**From:** Planning Department
**To:** "Susan Wolcott"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 2:04:00 PM

---

Good afternoon,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Susan Wolcott <spwknits@gmail.com>
Sent: Tuesday, December 10, 2024 8:48 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Susan Wolcott
spwknits@gmail.com

**From:** Planning Department
**To:** "Suzin Wright"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Wednesday, December 11, 2024 9:31:00 AM

---

Good morning,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Suzin Wright <smwrighthf1@frontier.com>
Sent: Tuesday, December 10, 2024 4:26 PM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

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Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway and deny the plan.

There are numerous problems with the project, both in the adequacy of the proposal plans and the impact of the project if the application is adequate. I have not yet seen the new version and apologize if I have not adequately updated the relevant points. Below are highlights/summaries of issues that my husband and I see with this project. We own properties in Jefferson County, but not in the immediate area of the proposed bottling plant. Projects that affect our Jefferson County neighbors ultimately affect all of us to some degree.

Most of the concerns are related to the huge volumes of water that would be extracted. There are several interrelated issues. We have loosely divided these points, but the concerns about water and land use are related.

Landowners have reported problems with obtaining well water during extended periods of low rainfall. That is trivial compared to the fluctuations that could be caused by the intentional daily removal of huge amounts of water. Sidewinder says they will drill new wells for landowners with dry wells presumably affected by the project, but this might not solve the problem. At the very least, it will disrupt daily living and the function of farms. At the worst, a functioning well may not be possible on that property. For farmers, that means destroying their livelihood; they require a reliable source of groundwater at their location.

Another problem with removal large quantities of water is related to the karst hydrogeology of the area. It is particularly prone to creating sinkholes and other unpredictable events. This was not properly addressed in the previous application and there are many factors that cannot be predicted, even in a more complete application. Sinkholes pose numerous dangers, including, for example, the sudden collapse of roads.

The polluted water from the old 3M facility, the site of the proposed plant, is currently contained, but the karst

hydrogeology adds significant unpredictability to knowing if this would change as large amounts of water were removed.

Zoning is unclear on the matter because water extraction has some unique features and has not been addressed previously. The wells and the bottling plant would both need to comply with zoning restrictions; at the time of the last meeting, these were in different types of zones.

At the last meeting, it was pointed out by a commission member that there can't be a prohibition on developing natural resources on the owner's property (if allowed at all). Unlike permissions for extracting minerals or similar resources, water is not limited to the property; it flows, in part, from neighbors who have not given permission for their property to be used. This infringes on property rights and does not fall under a suitable reason for using eminent domain to essentially seize this. Removing the reliable supply of water is essentially taking away the property by changing its characteristics. The studies suggesting the water replenishment would be adequate were flawed. A proper water study is needed if the applicant is claiming no damage to nearby properties.

Unrelated to water, but not unrelated to property rights:  The affected area of Middleway does not have the infrastructure to support construction-related traffic. In the past, the weight and vibrations from commercial trucks damaged homes and historic buildings and not all the damages have been repaired. There has not been an adequate proposal for handling the traffic.

We are not against bringing businesses and jobs to the area, but this needs to be done responsibly, without major detrimental impacts on the people and businesses already here.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

Suzin and Laurence Wright

--
Suzin Wright
smwrighthf1@frontier.com

**From:** Planning Department
**To:** "Margaret Zoberbier"
**Subject:** RE: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP
**Date:** Tuesday, December 10, 2024 5:19:00 PM

---

Good evening,

This email is to confirm receipt of your submission. We will include your comments in the packet to the Planning Commission for the December 17, 2024 meeting. This packet will be made available on the County's webpage by close of business on Friday, December 13, 2024.

Thank you and have a nice day.

Colin Uhry, Planning & Zoning Clerk
Office of Planning and Zoning
304-728-3228

-----Original Message-----
From: Margaret Zoberbier <meggyz2@yahoo.com>
Sent: Tuesday, December 10, 2024 10:15 AM
To: Planning Department <PlanningDepartment@jeffersoncountywv.org>; michaelshepp@me.com; louthan@frontiernet.net; jware@greenhorizonsturf.com; hefestay@yahoo.com; donniefisher@yahoo.com; tim@rsdhorseauctions.com; howell.aaron.j@jmail.com; carolineakeys@gmail.com
Subject: Public Comment Mountain Pure Water Bottling Facility Concept Plan 24-6-SP

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

Dear Planning Commissioners,

Please accept my comments on the concept plan for the Mountain Pure Water Bottling Facility in Middleway.

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If the planning commission decides to accept this version of the concept plan and give direction to the applicant to continue to the site plan stage, please place a condition on your direction that requires: This development shall not use groundwater for any use including but not limited to for bottling.

Thank you for accepting my comments. I respectfully request that you consider these comments as you evaluate this concept plan.

Sincerely,

--
Margaret Zoberbier
meggyz2@yahoo.com

December 10, 2024

To: Jefferson County Planning Commission Members

Project Name: Mountain Pure Bottling Facility

File Number: 24-6-SP, Concept Plan

The Jefferson County Historic Landmarks Commission (JCHLC) reviewed the concept plan for the Mountain Pure project and objects based on the traffic impact study alone. The updated concept plan does nothing to address the previous concerns about traffic routed through historic Middleway via Grace Street.

Middleway is home to many significant 18th and 19th century historical structures, each carefully preserved to reflect the rich cultural legacy of the area; the district was added to the National Register of Historic Places in 1980. The narrow streets and historic buildings are integral to the village's charm and historical value both for residents and visitors. Allowing heavy truck traffic through its historic streets not only threatens the integrity of the village's architectural heritage but also poses a serious risk to the safety and well-being of the community. The increased noise, air-pollution, and safety hazards associated with such traffic would affect the quality of life for residents. Steady vibrations from the anticipated traffic will likely damage delicate structures over time, eroding the village's historic fabric in ways that may be irreversible.

The only reasonable way to mitigate these risks is to create a new access road from the facility. Routing traffic from this facility through Middleway is unreasonable and would be detrimental to this community and its historic resources.

Thank you,

Addison Reese

Landmarks Commissioner

In an effort to save the Historic District of Middleway from the destruction of a proposed water bottling facility, I am sharing my story with The Jefferson County Historical Landmark Commission, in hopes that you will help preserve our community.

My name is Melissa Carder and I own 2 historic homes in Middleway WV. I live in The Elizabeth Smith home, an 1804 log cabin which has been meticulously restored over the years, with two additional rooms added, located on the corner of King and Grace. I also own the Old Civil War Hospital, which I am currently restoring, located on the corner of Queen and Grace Street. Both properties parallel the only current access road to the proposed water bottling facility. This is of extreme concern to me due to the already problematic issue of heavy traffic, speeding, and a very narrow road. Both properties are only feet away from the road.

I knew when I purchased the Civil War Hospital, that there was an issue with large vehicles being able to make the turn. The hospital had been hit on the corner several times over the years. Shortly after we purchased the property a large truck came within inches of hitting the building again. We had large skid marks and tracks from the road to the building. We immediately put large boulders on the corner to try and preserve the property. You can see from attached photos where the brick does not match on the corner of the home where it has been hit. I did not expect the home I live in to also be the victim of a traffic accident.

The Elizabeth Smith home was featured in the 65th annual House and Garden Tour in April 2023. We had approximately 600 visitors from all over the Eastern Panhandle and even further away come and tour our home. The outpouring of love and appreciation for its historical significance and craftsmanship was amazing to say the least. Five days later we had a large truck hit our home. I have attached photos of the damage.

It was about 6pm on a weeknight (not dark) when our entire home shook as a truck barreled into it. We were upstairs above the point of impact. The crash was so loud windows broke pictures fell. I could not fathom what was happening. It felt like a bomb, a terrorist attack, possibly Armegeddon? I was horrified that a large framed 20x16 picture fell and broke only inches from my 5lb chihuahua. A fireman on the scene commented that we were lucky no one was seriously injured or killed, had it been a newer home, he said that the truck would have landed in my living room. Thankfully, we were all ok. I still shake inside when a large truck goes by.

The home was not ok. The damage was extensive. It cost over $60,000 to make repairs and many things will never be the same. The wide plank floors have cracks throughout that could not be repaired. The only option was to replace them altogether which would take away from its original aesthetic character. Finding the logs to repair the home itself was a challenge. The American Chestnut became extinct in the mid 1900's. The biggest problem was finding a craftsman to be able to repair the home. We reached out to engineering firms, construction companies and historical societies throughout the tri-state area and even DC with no luck. At one point, our insurance agent felt we would have a total loss because they could not find anyone capable of doing the work. We were fortunate to find an elderly craftsman in his mid 80's to oversee the project, training younger men to do the work. It took a year and a half to complete. We were displaced much of the time as we could not live in our home.

My two homes are not the only homes hit by a vehicle in Historic Middleway. The Daniel Fry home was hit a few years ago causing approximately $20,000 worth of damage and the Grantham house recently had a vehicle damage it's front steps.

Heavy traffic, narrow roads and speeding are a serious concern for the residents of Middleway. We should be focussing on alternative routes and infrastructure that can preserve our historic community, not adding additional traffic and large commercial trucks.

The proposed water bottling facility is suggesting an additional 700 vehicles per day, 200 of which will be large commercial trucks 24/7 and that is just an estimate and could be much higher. The danger of destroying our historic village is very real. I hope that The Jefferson County Historic Landmarks Commission will join us in this endeavor to save Middleway.


TERRA TRAC
HERCULES

Preservation Alliance of West Virginia

December 9, 2024

Jefferson County Planning Commission
c/o Ms. Jennifer Brockman, Chief County Planner
116 E. Washington St
Charles Town, WV 25414

Dear Ms. Brockman:

On behalf of the Preservation Alliance of West Virginia – the statewide, grassroots nonprofit organization dedicated to historic preservation – I am writing to request that you reject the concept plan by Sidewinder Enterprises to build the proposed Mountain Pure water bottling facility in Middleway, Jefferson County, West Virginia. This project threatens to irreversibly damage Middleway's historic character, infrastructure, and community resources, such as the local water table, which could have severe consequences for residents who rely on this critical resource.

Middleway is a rare, national treasure established around 1734. It is one of the most intact examples of an 18th-century settlement, featuring original structures, roads, and layouts that tell the story of early colonial and Civil War-era life. Key elements of Middleway's heritage include privately-owned homes dating back to the 1700s and 1800s, the town well immortalized in sketches by Civil war artist James E. Taylor, and narrow roads designed for horse-and-buggy traffic. These elements contribute to the village's identity, tourism economy, and educational value, and the proposed bottling facility jeopardizes all of this.

The concept plan proposes to install a pipeline across the village, which threatens up to 11 historic buildings, risking foundational damage and altering the streetscape. The town well, a cornerstone of Middleway's history, and the surrounding infrastructure are particularly vulnerable. Despite community concerns, Sidewinder Enterprises dismissed the need for archaeological studies and minimized the impact of their operations on Middleway, although the proposed project could adversely impact above-ground and underground resources, especially where the pipeline may be installed. Their approach demonstrates a disregard for the historic, cultural, and environmental significance of this community.

Increased heavy truck traffic associated with the bottling facility on Middleway's narrow, historic roads would endanger more than half of the village's homes. Heavy truck traffic can cause significant damage to stone-stacked foundations, commonly found in Middleway, which lack modern reinforcements like mortar or concrete, because heavy trucks generate ground vibrations that can be transferred through the soil and can affect nearby structures. Vibrations can cause stones to shift or settle, leading to cracks, gaps, and eventual instability. Additionally, repeated vibrations from truck traffic can compact soil layers beneath foundations and can lead to uneven settling of the structures, creating additional stress on the historic buildings and accelerating deterioration. Furthermore, the buffer zone between the homes and the road is very limited, and large trucks could easily hit and damage properties in Middleway. The proposed plan not only would adversely affect these resources, but they would also be economically detrimental to the homeowners responsible for maintenance on these properties.

Preservation Alliance of West Virginia

Thank you for providing the public with the opportunity to comment on the Mountain Pure water bottling facility concept plan. I respectfully request the Planning Commission reject the concept plan. Middleway's value and the surrounding natural resources extend far beyond borders, and we appreciate your consideration of this irreplaceable historic village and the associated resources.

Sincerely,

Danielle Parker

Danielle Parker
Executive Director

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JEFFERSON COUNTY FARMLAND PROTECTION BOARD

P. O. Box 731 • Charles Town, West Virginia 25414

304.724.1414 • jefferson@wvfp.org • www.wvfp.org/jefferson

Dear Jefferson County Planning Commission,

The Jefferson County Farmland Protection Board (JCFPB) and the Land Trust of the Eastern Panhandle jointly hold a conservation easement at 395 Lake Louise Lane, Kearneysville. In addition, federal matching funds were provided by the Natural Resources Conservation Service (NRCS), a division of the USDA, for the purchase of this easement. The funds provided represent a significant federal investment as NRCS has determined this property should be legally protected to preserve its critical conservation values.

Lake Louise is a globally rare ecosystem including the marl wetlands present in the conservation easement. The wetlands include several rare plant and animal species of concern and the site is included in West Virginia's Conservation Focus Area (CFA) Plan.

On or around February 7th, 2022, Sidewinder LLC, acting under incorrect residential use permits, began illegal drilling of two industrial-scale wells at the Lake Louise property. This reckless and improper high-pressure drilling caused significant damage, including creating a sinkhole and ejecting well cuttings from within the conservation easement area.

The West Virginia Department of Environmental Protection (WVDEP) enforced a civil administrative penalty against Sidewinder LLC for causing this damage. While the wetland condition was eventually restored through a long-term stewardship agreement between the JCFPB, WVDEP, and the WV Land Stewardship Corporation, the incident underscores the risks posed by industrial activities in this sensitive area. Due to this violation, the area is now under regular monitoring by a dedicated stewardship committee comprising local and state conservation organizations.

If future industrial water extraction from Lake Louise causes direct or indirect harm to the wetland or any part of the conservation easement at 395 Lake Louise Lane, the JCFPB is obligated, under the terms of our conservation agreements, to pursue all necessary legal actions to ensure accountability and restoration by the party responsible. Given the significant federal investment in this easement by the NRCS, the JCFPB would be compelled to take all necessary steps to safeguard its conservation values and uphold the funding requirements.

The Jefferson County Farmland Protection Board firmly believes that the risks of industrial water extraction far exceed any potential benefits. The danger to public safety, private property, and invaluable natural resources is simply too great. We strongly urge you to reject the Mountain Pure concept plan.

Sincerely,

The Jefferson County Farmland Protection Board

RE: Concept Plan #24-6-SP Mountain Pure Water Bottling Facility in Jefferson County

10 December 2024

Dear Jefferson County Planning Commissioners and staff,

On behalf of our members, West Virginia Rivers Coalition Inc. (WV Rivers) appreciates the opportunity to comment on the proposed Mountain Pure Water Bottling Facility (file #24-6-SP – revised application submitted 11 November 2024) in preparation for the public meeting on December 17th, 2024. We expanded our prior comments from November 5th, 2024 to address remaining administrative and policy issues, as well as technical issues regarding water quantity, water quality, and wetland conservation. The issues we raised below were not substantively addressed in the prior public meeting held on November 12th of this year.

Our administrative process and policy concerns are detailed below:

- At the Public Meeting held on November 12th, former Planning Commissioner Keys made a motion to "reject" the formerly submitted concept plan. Further, the newly submitted concept plan includes additional owners, added parcels, and changes to the originally submitted concept plan. In recognition of the previous motion and large amount of new information submitted, the full 45-day review period should have been granted, as required in Section 21.119 of the Subdivision and Land Development Regulations of Jefferson County.[1] The

[1] https://www.jeffersoncountywv.org/home/showpublisheddocument/26046/638569906998870000

language of the regulation states, “At the time of submission, Concept Plan shall be placed on the first regularly scheduled Planning Commission meeting after the 45-day review period for the public workshop." Given that this plan was received on November 15, this would put the “next regularly scheduled meeting” in January of 2025. This procedural oversight has not allowed adequate time for a thorough review of the entirely new information included in this concept plan.

- Second, as stated in Section 1.3 D of the Jefferson County Zoning and Land Development Ordinance, “If a proposed use is not one in the list of the principal permitted or conditional uses in each zoning district, it shall be prohibited as though it was included in the list of prohibitions.”[2] Given that groundwater extraction does not appear in Appendix C in the list of permitted uses under Industrial Uses or any other Land Use category, groundwater extraction is prohibited and therefore, this application should be denied.
- Third, Jefferson County has recognized the urgent need for a comprehensive water usage study, in addition to a groundwater availability study. Both studies have been discussed by the County Commission and the Water Advisory Committee and are under review. As WV Rivers shared at the last meeting, we have been working closely with the Elks Run Watershed Group over the last 8 years as part of our Safe Water Harpers Ferry project. In 2023, a water utility in Jefferson County that utilizes Elks Run was required to use alternative water sources, because the run was not producing enough water for the utility to operate. While Elks Run may seem far from Turkey Run, we recognize that the aquifer is shared. The groundwater generally flows from south to north in Jefferson County. Given that these water insecurity instances are taking place across Jefferson County, it is critical for county government to complete a comprehensive water usage and groundwater availability study prior to accepting this or any other application requesting large quantities of groundwater extraction.

[2] https://www.jeffersoncountywv.org/home/showpublisheddocument/22048/637921840861370000

- Fourth, pursuant to West Virginia State Code 22-12-8,[3] “Every state, county, or local government body which reviews or issues permits, licenses, registrations, certificates of other forms of approval, or renewal thereof, for activities or practices which may affect groundwater quality shall first submit to the director for review and approval an application for certification." It is unclear from this Concept Plan if the Jefferson County Planning Commission has registered with the West Virginia Department of Environmental Protection for a permit. This presents a potential violation of the WV Groundwater Protection Act and should be rejected accordingly.

The hydrogeological report produced by TRIAD Engineering for this application (Triad Project No. 03-20-0377) suffers from fundamental deficiencies that limit its utility, and thus it does not sufficiently address several critical questions regarding water quality and quantity in the region. Specifically:

- The report estimates groundwater recharge rates based on the watershed area above the production well (Turkey Run Spring/MW-B), but this assumption is inaccurate because aquifers in karst terrain are weakly controlled by infiltration from the upstream drainage area. Instead, recharge may occur from multiple locations outside the immediate catchment area. This could lead to either an over- or under-estimation of true recharge rates.
- Likewise, the report applies the MODFLOW modeling framework[4] to estimate groundwater dynamics associated with water extraction, but this framework is inappropriate for karst terrain because it ignores the dominant role of preferential flow paths that characterize groundwater movement in karst. For instance, USGS demonstrated[5] groundwater flow velocities in Jefferson County can range from 30-840 feet per day. The authors also highlighted the importance of localized

[3] https://code.wvlegislature.gov/22-12-8/
[4] Harbaugh, A.W. 2005. MODFLOW-2005, The U.S. Geological Survey modular ground-water model—the Ground-Water Flow Process: U.S. Geological Survey Techniques and Methods 6- A16. https://pubs.usgs.gov/tm/2005/tm6A16/PDF/TM6A16.pdf
[5] Kozar et al. 1991. https://pubs.usgs.gov/publication/wri904118

geological features that promote rapid groundwater flows along thrust faults and parallel to geological strikes[6]. Specifically, the USGS report states that "results from three dye-tracer tests indicate that flow rates in the carbonate aquifer range from 70 to 840 feet per day parallel to strike, and 30 to 235 feet per day perpendicular to strike." Moreover, the study site is located near multiple thrust faults and geological fractures (Figure 1) which will affect groundwater dynamics, yet the TRIAD report ignores such important effects. In addition, we note that several modifications of MODFLOW framework are available to account for karst conditions[7] but these methods were not incorporated in the TRIAD report.

- The TRIAD report includes a step-test to account for potential effects of groundwater extraction at the site, and the authors estimated a hydraulic conductivity coefficient of 1228 feet per day. This is an extremely high value, and it indicates extensive permeability of the rock material underlying the site – as would be expected for karst terrain. However, the report then ignores its own result in applying the MODDFLOW model without accounting for karst terrain. Such methodological inconsistencies add to our concerns about the limited utility of this report.
- The 3M factory site is located above a contaminated groundwater plume, yet the TRIAD report does not address whether the proposed water extraction would affect the movement of the contaminated groundwater plume and whether it would affect residential or agricultural wells in the region.
- Neither the TRIAD report nor presentations at the prior public meeting addressed the potential effects of water extraction on nearby wetland habitats protected by conservation easement. Moreover, the TRIAD report indicates that groundwater surface levels would be diminished by the proposed water extraction scenarios. Indeed, the County has invested in conservation of nearby wetlands with the Jefferson County Farmland Preservation Trust, and the WV Department of Environmental Protection has supported wetland conservation at this location

[6] A geological "strike" is defined as the "direction of the line formed by the intersection of a fault, bed, or other planar feature and a horizontal plane" see: https://en.wikipedia.org/wiki/Strike_and_dip
[7] For example: https://www.sciencedirect.com/science/article/abs/pii/S0022169421000184

through their In-lieu fee Morgan Wetland Mitigation project. We believe that the applicant's proposal should not be approved unless the water extraction does not compromise groundwater connectivity to the nearby wetlands.

WV Rivers therefore recommends the Planning Commission rejects the Concept Plan for the procedural and technical reasons addressed above. Approving a project of this magnitude without proper analysis of the impacts to groundwater resources sets a dangerous precedent in the state. Thank you for considering our comments. Please feel free to contact us for clarification or additional information.

Sincerely,

Jennie Smith, Executive Director
WV Rivers Coalition, Inc.

cc. Nathaniel Hitt, Ph.D., Senior Scientist
Maria Russo, Policy Specialist

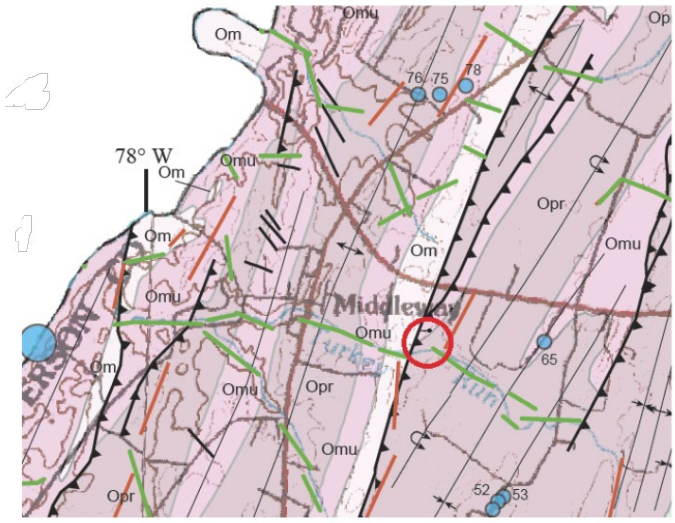



**Figure 1.** Approximate location of the proposed water extraction site (red circle) near thrust faults (black lines with saw teeth) and geological fractures (green and red lines). This figure shows a portion of a map published by USGS in 2005: https://pubs.usgs.gov/of/2005/1407

Jefferson County Foundation, Inc.

POTOMAC RIVERKEEPER® NETWORK

December 10, 2024

Jefferson County Planning Commission
116 E Washington St.
Charles Town, WV 25414
Via Email

**Regarding: Public Workshop: Mountain Pure Concept Plan for a Major Site Development.**

Dear Planning Commissioners,

Please accept the following comments on the Mountain Pure Water Bottling Facility Concept Plan. Please deny the concept plan because the land use does not conform to the Jefferson County Zoning and Land Development Ordinance; or, in the alternative accept the concept plan and place a condition on the direction that requires the development shall not use groundwater for any reason including but not limited to for bottling.

Requested Action:

1. Deny the Concept Plan because the land use does not conform to the to the Jefferson County Zoning and Land Development Ordinance.

    - Potential motion: "I move to deny the Concept Plan for the Mountain Pure Water Bottling Plant, because it does not conform to the Jefferson County Zoning and Land Development Ordinance. Specifically, Groundwater Extraction is not permitted in any zone in Jefferson County, and therefore based on section 1.3 D of the Jefferson County Zoning and Land Development Ordinance this land use is prohibited in all zones. Groundwater Extraction is not included in the land use identified by the applicant of "Heavy Industrial Use."

Alternatively:

2. Accept the Concept Plan and place a condition on the Planning Commission direction that cures the non-conformance to the zoning ordinance by only allowing the portion of the Concept Plan that conforms to the zoning ordinance. If this is the alternative chosen, the suggested motion is:

    - Suggested Motion: "I move that we accept the Concept Plan and direct the applicant to move to the site plan stage with the following condition. The development shall not utilize groundwater from Jefferson County for non-domestic uses including but not limited to for bottling. Groundwater extraction for sale is not permitted in any zone in Jefferson County, and therefore based on section 1.3 D of the Jefferson County Zoning and Land Development Ordinance this land use is prohibited in all zones. Groundwater Extraction is not included in the land use identified by the applicant of "Heavy Industrial Use."

## I. Planning Commission's Authority to Deny or Place Conditions On this Concept Plan

This issue is about groundwater extraction. The West Virginia state code makes a distinction between several different classes of wells, and identifies groundwater wells used for water bottling as a special class of wells requiring more regulation than other groundwater wells.

State code does not prevent the limitation through zoning of groundwater extraction for sale. The Jefferson County Jefferson County Subdivision and Land Subdivision Regulations ("Subdivision Regulations") require that the Planning Department, of which the Planning Commission is part, to determine if the subject development of a concept plan conforms to the Jefferson County Zoning and Land Development Ordinance ("Zoning Ordinance").

One of the land uses included in the subject development of this concept plan does not conform to the zoning ordinance. The development is centered on groundwater extraction which is prohibited land use in all zones in Jefferson County. The Subdivision Regulations permit the Planning Commission to deny a project for reasons based in the Zoning Ordinance. The Subdivision Regulations also permit the planning commission to place non-voluntary conditions on the direction it gives to applicants to continue to the Major Site Plan stage of the Major Development process.

Therefore, the Planning Commission should find that the Groundwater Extraction this applicant is seeking to use as part of this development does not conform to the Zoning Ordinance, and either deny the Concept Plan or place a condition on the direction the Planning Commission gives the applicant that cures this non-conformance, by not permitting the development to use groundwater extracted in Jefferson County for bottling.

### a. State code makes a distinction between different types of groundwater wells based on use.

West Virginia state code §22-26-2(10), in which is the definition section of the "Water Resources Protection Act" states that,

> ""Large-quantity user" means any person who withdraws over three hundred thousand gallons of water in any thirty-day period from the state's waters and any person who bottles water for resale regardless of quantity withdrawn. "Large-quantity user" excludes farm use, including watering livestock or poultry on a farm, though farms may voluntarily report water withdrawals to assist with the accuracy of the survey." (emphasis added).

This definition makes a clear distinction between wells that are large-quantity users and wells used for farming activities. And it clearly indicates that wells used for water bottling are considered large-quantity users regardless of the amount of water they draw. The state code makes a clear distinction between these types of wells.

West Virginia State Code §22-26-3 also requires that the Secretary of the Department of Environmental Protection (DEP) conduct an annual survey of groundwater withdrawal by large-quantity users in WV and that it maintain a list of large quantity users.[1] Large - quantity users are to register with the DEP and provide all requested survey information regarding withdrawals of water resources.[2] None of this information is required of farm wells or single home rural residential wells, but all of them are required for wells used to extract water for bottling – no matter the rate of withdraw.

Clearly the state code intended to and does regulates groundwater wells being used for farming very differently than those used for water bottling.

Therefore, the argument that the applicant made at the last hearing that all wells must be treated the same is not supported by the WV state code.

**b. State code does not prevent the regulation of groundwater extraction.**

In the previous public workshop (November 12, 2024), the applicant argued that State Code §8A-7-10(e) of WV prevented the county zoning ordinance from limiting groundwater extraction. WV State Code §8A-7-10 describes the effect of enacted zoning ordinances like the one in Jefferson County. Section 8A-7-10(e) states "Nothing in this chapter authorizes an ordinance, rule or regulation preventing or limiting, outside of municipalities or urban areas, the complete use (i) of natural resources by the owner;…" This clearly refers to "use" "by the owner" not extraction for sale like that this applicant is proposing to do with groundwater for this development. Therefore, this state code does not restrict the County Zoning Code from limiting if, where, and how groundwater extraction for sale will be permitted**.**

For example, we know that groundwater use has been regulated in Berkely County for decades.

[1] §22-26-3 (b) and (e)
[2] §22-26-3 (c) and (d)

**c. The Subdivision Regulations require that it be determined if the concept plan conforms to the zoning ordinance. It does not.**

The Jefferson County Subdivision Regulations Section 23.119 "Major Site Plan Concept Plan -Submission and Completeness Review" section D. "Department" states:

> "[t]he Department review shall include the following: 1. Whether the density, use, and plan meet the requirements of the Zoning Ordinance and any other zoning issues that can be identified at the concept plan submission. (Landscaping, for instance, is not generally available at this stage). Staff shall identify conditions that would enable the plan to meet the standards. It shall also identify any other zoning issues the developer shall address in a site plan submittal." (emphasis added)

Here the "Department" is referring to the Department of Engineering, Planning, and Zoning. It is clear one of the requirements for the Concept Plan to be approved is that the land use meet the requirements of the Zoning Ordinance. It does not.

**d. Groundwater Extraction is prohibited in all zones in Jefferson County**

The land use the applicant has identified is "Heavy Industrial Use." This land use is defined in section 2.2 "terms defined" of the Zoning Ordinance as follows:

> "Manufacturing or other enterprises with significant external effects including but not limited to noise, dust, glare, odors or vibrations, or which pose significant risks due to the involvement of explosives, radioactive materials, poisons, pesticides, herbicides, or other hazardous materials in the manufacturing or other process. This use also includes those land uses characterized by heavy trucking activity or extensive warehousing."

This land use as defined does not include extraction of natural resources from the ground. No other land use currently described in the Zoning Ordinance includes groundwater extraction. Therefore, groundwater extraction is not included in the land use identified by the owner nor any other land use in the Zoning ordinance include groundwater extraction.

Appendix C of the Zoning Ordinance lists the permitted uses. While mineral extraction is listed as a conditionally permitted use in two zones (heavy industrial and industrial commercial) groundwater extraction is not listed as permitted in any zone. Section 1.3 D. of the Zoning Ordinance specifically states:

> "If a proposed use is not one in the list of the principal permitted or conditional uses in each zoning district, it shall be prohibited as though it was included in the list of prohibitions. Applicants desiring inclusion of a use not specifically permitted in this Ordinance may apply for a text amendment, following the provisions outlined in Article 12 of this Ordinance."

Because groundwater extraction is not listed as a permitted land use in any zone or covered by any other permitted land use listed in the Zoning Ordinance groundwater extraction is prohibited in all zoning districts as though it was included in the list of prohibitions.

Therefore, the land use (groundwater extraction) this development will utilize on at least two parcels of land in the development does not meet the requirements of the Zoning Ordinance as required for Concept Plans under 24.119 D. of the Subdivision Regulations.

e. **The Subdivision Regulations provide the planning commission the discretion to deny a development when there are specific findings that the application does not meet the standards of the Zoning Ordinance.**

Division 23.200 "Administration" of the Subdivision Regulation states:

> "**Discretion**. The administration of these Subdivision and Land Development Regulations provides for discretion only where specifically authorized. While West Virginia law requires a public hearing for land use proposals, there is no discretion in the review and approval process outside of the requirements of the Zoning Ordinance or the Subdivision and Land Development Regulations. A proposed plat or plan that meets the ordinance and regulatory standards must be approved. **Only when there are specific findings that the application does not meet the standards of the ordinance or the regulations, is denial possible**." (emphasis added)

Therefore, denial of a concept plan because it does not meet the standards of the ordinance or the regulations as is the case here, is permitted by the regulations.

Because the application does not meet the standards of the Subdivision Regulations and does not conform to the Zoning Ordinance the Commissioners may exercise their discretion. Section 24.119 "Major Site Plan Concept Plan - Submission and Completeness Review" of the Subdivision Regulation paragraph I. addresses approval and states:

> "I. **Approval**. Unless there are reviews indicating that the development cannot conform to the Zoning Ordinance, be serviced by public services, or provide its own utilities, or other factors that make the development impossible, Planning Staff shall accept or deny the concept plan as complete."

First, it is clear that Concept Plans may be denied if they do not conform to the Zoning Ordinance. Second, now that it is known that the development plans to utilize groundwater extraction as the land use for two of the parcels included in the development, and that the land use groundwater extraction is prohibited in all zoning in Jefferson county, it is clear the development this Concept Plan describes **does not** conform to the Zoning Ordinance.

Therefore, the Concept Plan must either be denied because it does not conform to the Zoning Ordinance or a condition must be placed on the Planning Commission's direction that cures this nonconformity to the Zoning Ordinance.

**f. The Subdivision Regulations allow the Planning Commission to place conditions that are not voluntarily proffered, as long as the conditions are based in the zoning ordinance.**

Section 24.121 "Major Site Plan Concept Plan – Direction" of the Subdivision Regulations explains that after "the close of the public workshop, the Planning Commission shall, during their regular meeting or at a specific public meeting within 14 days, provide direction on the concept plan." In paragraph C. "Effect" of this section it explains that the "direction is to the developer to proceed to prepare a site plan." Paragraph A. "Direction" and paragraph B. "Conditions" state:

> "A. **Direction.** The Planning Commission shall direct the preparation of a site plan subject to conditions to be addressed in the site plan application. The purpose of this review is to guide the developer so that when the site plan application is formally reviewed by the staff, there should not be a whole range of issues being raised for the first time. The developer shall cite conditions and demonstrate that they have been met or otherwise addressed.
>
> B. **Conditions.** In the direction, it is anticipated that there will be numerous conditions from the Department, agencies, and public comment. There may well be public comment that seeks to lower density of the project below that permitted by the Zoning Ordinance, or to deny the project because of concerns outside the scope of the zoning or subdivision regulations. The applicant may make proffers to address these concerns, but the Planning Commission may not use them as conditions, unless they are proffered by the applicant." (emphases added)

Paragraph A of this section gives the Planning Commission the authority to place conditions on its direction to the applicant. The regulations do not mention in this section of these conditions needing to be voluntarily proffered to by the applicant. In fact, the only reference to proffers by the applicant is in the third sentence of paragraph B where it states "The applicant may make proffers to address these concerns…" Here "these concerns" is referring to the concerns outlined in the previous sentence "lower density of the project below that permitted by the Zoning Ordinance, or to deny the project because of concerns outside the scope of the zoning or subdivision regulations." However, the conditions the Planning Commission needs to make in this case have nothing to do with density and are not outside of the scope of the Zoning Ordinance. The condition that needs to be placed on the planning commissions direction is based entirely in the zoning ordinance. In fact, a condition is needed in order to cure the Concept Plan's nonconformity to the Zoning Ordinance.

Therefore, the Subdivision Regulations allow the Planning Commission the discretion to place a non-voluntary condition on the direction the Planning Commission gives the applicant to continue to the Site Plan stage, and the following direction is needed for the Concept Plan to conform to the zoning ordinance:

"The development shall not use groundwater as the source of any water for bottling or eventual bottling."

**g. The planning commissioners have immunity from liability for work done on the planning commission.**

West Virginia West Virginia Code § 29-12A-5 Immunities from Liability states:

"(a) A political subdivision is immune from liability if a loss or claim results from:

(9) Licensing powers or functions, including but not limited to, the issuance, denial, suspension or revocation of, or failure or refusal to issue, deny, suspend or revoke any permit, license, certificate, approval, order or similar authority." (Emphasis added)

The Planning Commission is a political subdivision of the County Commission. The Courts have consistently held that (a)(9) "expressly immunizes a political subdivision from liability if a loss or claim results from licensing powers or functions.."[3]

Planning Commissioners have the right and responsibility to cast their vote consistent with their individual judgment regarding whether an applicant has met the requirements in 12.119 of the Subdivision Regulations. There is no personal civil or criminal liability for Planning Commissioners for casting a vote consistent with their judgment on the issues being considered by the Commission. The only exception to that seems to be when a Commissioner (1) acts or omissions were manifesting outside the scope of their official responsibilities – votes are within official responsibilities; or, (2) their acts omissions were with malicious purpose, in bad faith, or in a wanton or reckless manner.[4]

## II. Environmental Impacts of Groundwater Extraction

We understand that your decision on this Concept Plan must be based on whether or not the Concept Plan has met the requirement outlined in 24.119 of the Subdivision Ordinance. And in the above section we outlined that the Concept Plan does not meet these requirements because the land use on two of the parcels does not conform to the Zoning Ordinance. The land use does not conform to the Zoning Ordinance because Groundwater Extraction is not a permitted land use in any zone. Because Groundwater Extraction is not a permitted use in any zone, the zoning Ordinance does not currently give the Planning Commission authority to require the predevelopment studies needed to protect the community, the environment, and our local economy from the possible ill fates that a development relying on Groundwater Extraction could cause. Some of these concerns are addressed below. The necessary authorities and protections could be added to the Zoning Ordinance as part of the zoning text amendment process set forth in article 12 of the Zoning Ordinance. If the applicant insists on using Groundwater Extraction as the source for water for this development it should be required to seek a zoning text amendment through this process as directed by Section 1.3 D. of the Zoning Ordinance.

[3] Hose v. Berkley County Plannig Comm'n, 194 W. Va. 515, 460 S.E.2d 761, 1995 W.Va. LEXIS 144 (W.Va. 1995).

[4] §29-12A-5(b)(1) and (2)

a. **Groundwater extraction at this rate could cause groundwater levels to drop.**

While we believe that groundwater extraction is a prohibited land use in all zones, we are additionally concerned that the effects of such extraction especially at the rates described in the engineering report of the study performed by Triad Engineering, Inc. (exhibit B) would have negative impacts on water availability in the region. These impacts would have an outsized impact on the agricultural land uses surrounding the facility. This concern led us to have the report evaluated by an expert hydrogeologist with expertise in karst, Dr. Chris Groves. He provided the communication attached here as Exhibit A. Dr. Groves has been previously qualified as an expert hydrogeologist at the Department of Environmental Protection Environmental Quality Board and his credentials are outlined in his communication. He finds that the current report does not consider that the groundwater extraction well is in karst hydrogeology, and therefore the findings do not accurately represent the effects of drawing this amount of water from this well in this type of karst hydrogeology.

If groundwater extraction were to be added to the Zoning Ordinance through the article 12 process as a land use at some time in the future extensive comprehensive groundwater studies performed by an in depended firm agreed to by the county would need to be required to ensure this does not occur. Limits regarding the amount of groundwater drawdown could also be placed.

**b. Negative impacts on a rare type of wetlands**

The wetlands at Lake Louise and on Turkey Run appear to be a rare type of wetlands that support rare and endangered species of plants and possibly the Madison Cave Isopod. These environmentally important features and species may be harmed by the groundwater extraction activities.

If groundwater extraction were to be added to the Zoning Ordinance through the article 12 process as a land use at some time in the studies on environmental features could be required and locations could be limited to protect such environmentally sensitive areas.

**c. Groundwater drawdown could cause increased sinkhole development.**

Groundwater drawdown could cause increased numbers of cover collapse sinkholes. Cover collapse sinkholes occur when caverns previously filled with water are left unsupported as groundwater is drawn down, and the roof of the caver or the “cover” collapses into the void taking with it anything on the surface. These sinkholes occur rapidly and are usually large. There is increased risk for collapse when heavy objects such as tractors or large animals move over the void.

**d. Groundwater extraction at this rate could cause the pollution plume to move into active wells.**

As the applicant notes in their most recent submission (December 6, 2024) there is a groundwater pollution plume at the 3M facility. The pollution plume is thought to be stable or moving in a north westerly direction down the groundwater elevation gradient. However, the Groundwater Extraction well(s) that are part of this development may draw water at such a high rate that it may cause the groundwater flow and the pollution plum to change direction and flow toward the groundwater extraction wells carrying with it the pollution. This would cause the groundwater pollution to flow back toward the active drinking water wells in Middleway.

Monitoring wells are ineffective means of monitoring pollution plum movement in karst and therefore the companies offer to put in monitoring wells does not adequately address this issue. All drinking water wells would need to be monitored regularly.

If groundwater extraction were to be added to the Zoning Ordinance through the article 12 process this could be further addressed.

**e. This could set a dangerous president**

Allowing this development to move forward utilizing groundwater extraction will make it difficult to deny a similar future development. This could mean that the negative impacts experienced here could be repeated across the county devastating our agricultural and equine industries.

## III. Negative Economic Impacts

In Jefferson County for over 250 years now our economy has relied heavily on a synergistic triad of industries: the agricultural industry, the equine industry and the tourism industry. Each supports the other and all three rely on the groundwater supply. Groundwater availability and quality issues will challenge all of these industries to some extent. However, if it were to cause even a portion of one of these industries to fail say in one area of the county it could cause that entire industry to fail and with it the other two and our economy.

This local economic risk is simply not worth allowing one development that does not conform to the zoning ordinance.

## IV. The Application Continues to be Unclear and Leaves Many Questions

The application now has more information in it but it continues to be unclear.

For example, the application indicates that it has a permit from the WV Office of Environmental Health Services and that “the well permit is for 1000 gpm.” This makes it seem as though the permit allows them to extract 1000 gpm of groundwater. However, it is our understanding from discussions with staff at the WV Office of Environmental Health Services that this permit and

the Office's authority is for well head protection and the engineering of the well itself and that this office does not permit a company to extract a certain amount of water per day or per minute. This designation on the application is to denote the size of the well.

The WVDOH permit for placing the water line was not included in the application and so the precise plan for installing the pipeline is unclear. This is important as it affects the public's ability to evaluate the impact of the water line on the Middleway Historic District.

This lack of clarity makes it difficult to completely understand the concept and its impacts.

## V. This Public Workshop Does Not Conform to the Subdivision Regulations

As you know, the Concept Plan is a critical initial part of any land development in Jefferson County. What happens in the Concept Plan process cannot be changed or cured in future steps of the process. As a result, failure to complete the requirements for the Concept Plan creates irreparable harm to those citizens who rely on the process to conform with legal protections and processes set out in the Subdivision Regulations and other applicable laws.

The December 17 public workshop for the Concept Plan does not conform to the requirements in the Subdivision Regulations for at least 3 reasons.

1. The public workshop is scheduled for an *ad hoc* special meeting of the Planning Commission, as opposed to the "regularly scheduled" meeting required under Section 24.119.J of the Subdivision Regulations.[5]

2. The public workshop on December 17 is scheduled for 30 days after the day the application was submitted on November 18, despite the clear requirement in Section 24.119 J that there be at least a "45-day review period."[6]

3. Due to the shortened review period, agency review of the Concept Plan required under Section 24.119.B.7 is being short-circuited.[7] Upon information and belief, proper agency review will not be provided for on this version of the Concept Plan.

The Subdivision Regulations specifically require that other agencies be involved in the Concept Plan review. This is a critical part of the Concept Plan process. And as outlined in Sections 23.203 and 23.204 of the Subdivision Regulations (reproduced below), the agencies each have their own

[5] "J. **Effect.** At the time of submission, the concept plan shall be placed on the 1st regularly scheduled Planning Commission meeting after the 45 day review period for the public workshop. Staff shall advertise the public workshop in a local newspaper of general circulation in the area one time at least twenty-one (21) days in advance of the meeting and send notice by mail to the adjoining property owners at least fourteen (14) days prior to the meeting. The applicant shall post notice on the property at least fourteen (14) days in advance of the meeting." Subdivision Regulations § 24.119.J.

[6] *Id*

[7] "7. **Agency Reviews**. The reviewing agencies shall conduct reviews of the proposed concept plan. Agency comments shall be received by the Department fourteen (14) days prior to the scheduled public workshop." Subdivision Regulations § 24.119.B.7.

processes, meeting schedules and requirements, and qualified staff that must be involved in the review of the Concept Plan process.

**"Sec. 23.203 County Agencies**
The following Jefferson County agencies are involved or may be involved in the subdivision and site development review process.

A. **On-Site Water Supply and Sanitary Waste Disposal.** The Jefferson County Health Department and West Virginia Department of Health shall be responsible for the review of any on-site water supply or sanitary waste disposal for the proposed development. Approval needed at Preliminary Plat stage.
B. **CentralizedWaterSupply/DistributionandSewageCollection/Treatment.** The Jefferson County Public Service District or other applicable local agency supplying centralized utilities, West Virginia Health Department, and WVDEP shall be responsible for the review and approval for any centralized sewer and water supply intended to serve the proposed development. Approval needed at Preliminary Plat stage.
C. **Jefferson County Historical Landmarks Commission.** This body shall submit a report and findings on whether historical resources exist on the site of the proposed subdivision of site development. If there are, they shall submit findings on whether the proposal meets the requirement of zoning with respect to such structures or places at Concept Plan stage.
D. **Jefferson County Parks and Recreation Department.** This body shall determine the adequacy of park, recreation, and trail facilities intended to serve a proposed residential development at Concept Plan stage. This is a courtesy review for park planning purposes.
E. **Jefferson County GIS/Addressing Office.** This body shall verify adequacy of proposed addresses, road names, and names of subdivisions in accordance with Jefferson County E 9-1-1 Addressing Ordinance. Approval needed at either Concept Plan or Preliminary Plat stage.
F. **Jefferson County Office of Engineering.** This body shall review and either approve or deny the Stormwater Management Plan relating to stormwater management.

**Sec. 23.204 Other Agencies**
The following are the responsibilities of other agencies:

A. **West Virginia Division of Highways (WVDOH).** WVDOH is responsible for reviewing the site access and potential improvements to public roads at Preliminary Plat stage.
B. **Jefferson County Schools.** The Board of Education should determine the adequacy of school facilities intended to serve a proposed residential development at Concept Plan stage. This is a courtesy review for school planning purposes.

C. **Emergency Services.** Fire, police, and EMS providers should determine the adequacy of emergency response and lifesaving services provided to their respective service area if potentially affected by a proposed subdivision or development project at Concept Plan stage.
D. **WVDEP.** DEP approval for NPDES, SWPPP, GPP, and other applicable approvals (if required) are needed prior to Preliminary Plat approval"

This rushed schedule unlawfully prevents relevant agencies from providing important feedback on a wide range of issues affecting the public health, safety, and general welfare of the community. Among other issues, this water bottling plant intends to extract groundwater for bottling and, while the actual amount of extraction is not fully disclosed, it could have a substantial effect on water resources in Jefferson County. The failure to get these Agencies input on such an impactful proposed development is unacceptable. It is not *de minimis* for two reasons.

First, Section 24.214 (reproduced below) constrains all future parts of the subdivision process to the results of the Concept Plan meeting.

**"Sec. 24.124 Major Site Plan Application - Approval**
After the close of the public hearing or at any meeting within 14 days thereafter, the Planning commission shall (1) approve the application, (2) approve the application with conditions, (3) deny the application, or (4) hold the application for up to 45 days for additional information.

A. **Approval.** If the site plan application **is consistent with the concept plan application** and meets all other requirements of these Regulations and the Zoning Ordinance and **has received sign-off from the agencies specified in Section 24.122(B)(13), *Other Agencies***, the Planning Commission shall approve the site plan application. (emphasis added)
B. **Denial.** Denial can only be done on the following basis:
    1. **The plan (plan, final engineering, or final landscaping) is inconsistent with the approved concept plan or conditions of said approval.** (emphasis added)
    2. Failure to provide surety.
C. **Site Plan Signing.** The Planning Commission President shall authorize the signing of the plan.
D. **Effect and Vesting.** The approval and signing of the site plan allows the applicant to provide surety, if necessary, and begin construction."[8]

Thus, by forcing Concept Plan into a premature, end-of-year, special hearing at which the agencies cannot provide their required review, the Planning Commission is effectively putting on blinders and intentionally excluding the agencies' feedback from being considered at any later point in this process.

Second, if this December 17 hearing goes forward, the public's due process right to be heard on the Concept Plan will be materially limited. In the words of our state's high court, "[p]rocedural due process requires the 'opportunity to be heard at a meaningful time and in a meaningful

[8] Subdivision Regulations § 24.123 (underlined and bolded text emphasized)

manner.'" *Donadieu v. Morgan Cty. Planning Comm'n*, Case No. 15-1058, 2016 W.Va. LEXIS 726, *16 (W. Va. 2016), quoting *Mathews v. Eldridge*, 424 U.S. 319, 333 (1976). And in order for the public to have a meaningful opportunity to be heard on the Concept Plan, they must be informed. Citizens of this County reasonably rely on their public agencies to be a first line of defense against harmful development by identifying, for example, potential environmental impacts from a drawdown of the water table in Middleway's Karst terrain. Without any idea as to whether the relevant agencies have concerns about this particular development, the public will be flying blind, forced to fend for itself and rely on public records requests and independent research in order to educate itself about the true impact of the Concept Plan. The Foundation itself has several outstanding public records requests, which likely will not be returned in time to prepare for the December 17 hearing. On these facts, the Foundation respectfully submits that the public will have no meaningful right to be heard on the Concept Plan on December 17.

In short, after reviewing the regulations, statutes, and constitutional principles applicable to this project, it is JCF's view that it is impossible to meet the legal requirements to hold a Public Workshop on December 17, 2024, on the fully submitted Concept Plan (which, for the first time, actually includes the full map of impacted parcels of land AND the source of the water that will be used to bottle the water at the proposed site). On this basis, we request that the currently scheduled December 17, 2024, meeting be cancelled and reposted in compliance with the requirements. With the entire replacement of the concept plan application on December 6, 2024 his meeting should be moved to the regularly scheduled meeting in February.

## VI. Summary

We urge you to either deny this Concept Plan because it does not conform to the Zoning Ordinance or to place the condition on your direction that prohibits the development from using groundwater from Jefferson County for bottling. Thank you for accepting this public comment as you consider this Concept Plan.

Best Regards,

Dr. Christine L. Wimer
President
Jefferson County Foundation, Inc.

Brent Walls
Upper Potomac Riverkeeper
Potomac Riverkeeper Network

Exhibit A

November 5, 2024

Dr. Christine Wimer
Jefferson County Foundation, Inc.
PO Box 460, Ranson, WV 25438

Dear Dr. Wimer,

At your request I have reviewed available technical information regarding the Concept Plan that has been submitted by Sidewinder Enterprises LLC for the Mountain Pure water bottling facility proposed for Jefferson County, West Virginia.

The purpose of my review, with conclusions summarized in this letter, is to evaluate how well the potential for impacts to the county's water resources associated with operation of this water bottling facility have been addressed, based on a review of existing information. It is limited to technical (hydrogeology) considerations, as I make no claim to have expertise in either legal matters nor detailed familiarity with West Virginia's environmental regulations. Although I have been hired by the Jefferson County Foundation, Inc. to undertake this evaluation, my task is to objectively consider hydrogeologic conditions in the vicinity of the proposed facility. I have not manipulated information to have it reflect any pre-determined outcome, and my contributions to this process, and all of my professional activities, reflect that philosophy. My comments are accurate and truthful to the best of my experience and abilities.

My overall conclusion is that the potential for adverse impacts to landowners in the vicinity of the site has not been adequately addressed in the September 4, 2024 Mountain Pure Concept Plan/Major Site Plan and that an appropriate technical evaluation should be required before the project moves forward. This is based on primarily on two observations: 1) the Concept Plan itself simply describes the intent to build a one million square foot bottling facility, but makes no mention of how much water will be required, where that water will be obtained, and what the potential impacts of obtaining this water might be; 2) a separate, 2022, evaluation commissioned by Sidewinder Enterprises and completed by Triad Engineering Inc. (and herein cited as Triad Report 2022) suggests that water from the nearby Turkey Run Spring Site (including Well MW-B) will be the source. While that report concludes that the site will be adequate to meet the proposed potable water demand of 1.728 million gallons per day (Triad Report 2022, p. 1), the analysis uses methods, particularly with respect to modelling and water quality evaluation, more suitable for porous medium aquifers than the limestone *karst* aquifers that are well developed within Jefferson County (*e.g.* Beiber 1961; Davies 1965; Hobba 1981; Kozar et al. 1991; Jones 1991, 1997; Kozar et al. 1991; Kozar 2002; Evaldi et al. 2009; Doctor and Doctor, 2012; Maloy and Carter, 2012). These are groundwater flow systems developed through dissolution of soluble limestone bedrock within which water flows preferentially through dissolved conduits and fractures, as the well data in the Triad Report (2002, Appendix B) make obvious, and yet much of the analysis in the report treats the flow as if it was in a porous medium. This is more akin to water flowing through sand, where the spaces through which the water flows are very uniform and evenly distributed.

I am a licensed Professional Geologist in Kentucky, Tennessee and Virginia (West Virginia does not have a Professional Geology registration) with more than 40 years of professional

experience in the study of surface and underground water in a wide variety of environments throughout the world, with an emphasis on karst landscapes and aquifers. I earned a BS degree in Geology (1984), and an MS degree in Geography (1987) from Western Kentucky University. In 1993 I received a PhD in Environmental Sciences from the University of Virginia (Geology track) with an emphasis in hydrogeology, geochemistry, and geomorphology and where my PhD dissertation *Early Development of Karst Systems* led to a series of papers in the highly-ranked journal *Water Resources Research* that have now collectively been cited over 450 times. I currently serve as University Distinguished Professor of Hydrogeology at Western Kentucky University, where I have written or coauthored 38 peer-reviewed journal papers or book chapters, 1 book, over 50 conference proceedings, technical reports, book reviews, or fieldtrip guides, as well as given more that 175 scientific presentations at international, national, regional scientific conferences or university seminars. I have published research in the leading professional water-related, peer-reviewed journals including *Journal of Hydrology*, *Groundwater*, *Water Resources Research,* and *Hydrogeology Journal* and leading geomorphology journals including *Earth Surface Processes and Landforms* and *Geomorphology.* I have served as an Associate Editor for the *Journal of Hydrology* and *Hydrogeology Journal*. I have been responsible for hydrogeology-related research, service or analysis under contracts, grants or other cooperative efforts for federal agencies that include the Bureau of Land Management, National Park Service, US Department of Agriculture, US Environmental Protection Agency, US Forest Service, US Department of Energy, US Army Corps of Engineers, the US Agency for International Development, and the US Department of State.

Since 1995 I have been active with participation in and leadership of five water-focused United Nations scientific programs within the United Nations Educational Scientific and Cultural Organization (UNESCO) International Geoscience Program as well as serving as an invited member of the Karst Commission of the International Association of Hydrogeologists. In these efforts and other research projects I have undertaken hydrogeological fieldwork in 25 countries. In 2017 I travelled to Beijing's Great Hall of the People where China's President Xi Jinping personally presented me with the International Cooperation in Science and Technology Award of the People's Republic of China, that country's highest award for foreign scientists, for "great contributions to China's hydrogeology and karst geology fields."

In 2002 I evaluated groundwater flow and related environmental issues at another geologically similar site in Jefferson County and at the time had an opportunity to become familiar with the area's landscapes, hydrogeology, and groundwater flow (Groves 2022).

Although I have reviewed a number of documents and relevant scientific literature in the current analysis, my comments herein are primarily based on the September 4, 2024 Mountain Pure Concept Plan/Major Site Plan (Concept Plan 2024) and the April 28, 2022 Report of Hydrogeological Assessment, Turkey Run Spring/MW-B (Triad Report 2022).

Perhaps the most relevant environmental issue concerns the impacts, presuming that the MW-B well is the primary source of water for the facility (and if this assumption is incorrect, there is obviously much less certainty about future impacts), of lowering of the water table caused by pumping and impacts on adjacent landowners. The report uses several methods to estimate impacts on the water table, and pumping tests provide results operating under

the conditions present during the test. However, the commonly-used methods of using mathematical models to simulate groundwater flow conditions across space and into the future work only as well as the data fed into the models match the real-world conditions that the work intends to simulated. In an easy to understand example, a diagram showing the bedrock conditions in well MW-B (Figure 1, Triad Report 2022, Appendix B) makes clear, consistent with the description in the text, that the spaces for water to flow are within discrete, fractures and perhaps weathered zones that the report describes (e.g. Triad Report 2022, p. 3) as “Relatively major water bearing zones” separated by what might be called (using my language) “not water bearing zones” Yet, in describing input to the mathematical simulation, “The model was constructed with one layer, and a saturated thickness of approximately 300 feet was assumed”. The science of groundwater modelling is complex, but the disparity between the model and the real world here is not.

There are several potential negative impacts of lowering the water table beneath adjacent properties. For one, there are no records of where the analogous “water bearing zones” are in other wells, and whether the drawdown may cause shallower ones to become dry. Another less obvious, but very real issue for Jefferson County is the development of sinkholes. These can be triggered by water table lowering and the resulting loss of buoyant support. This is another important issue in karst hydrogeology not mentioned in the Triad (2022) analysis, while sinkholes are a widespread hazard in Jefferson County (Figure 2).

I appreciate the opportunity to comment on this project, and conclude that to better understand the potential impacts beyond the actual properties of the facility, that analyses build in a required level of sophistication to realistically represent the actual conditions present.

Sincerely,



Chris Groves, PhD, PG
University Distinguished Professor of Hydrogeology
Western Kentucky University

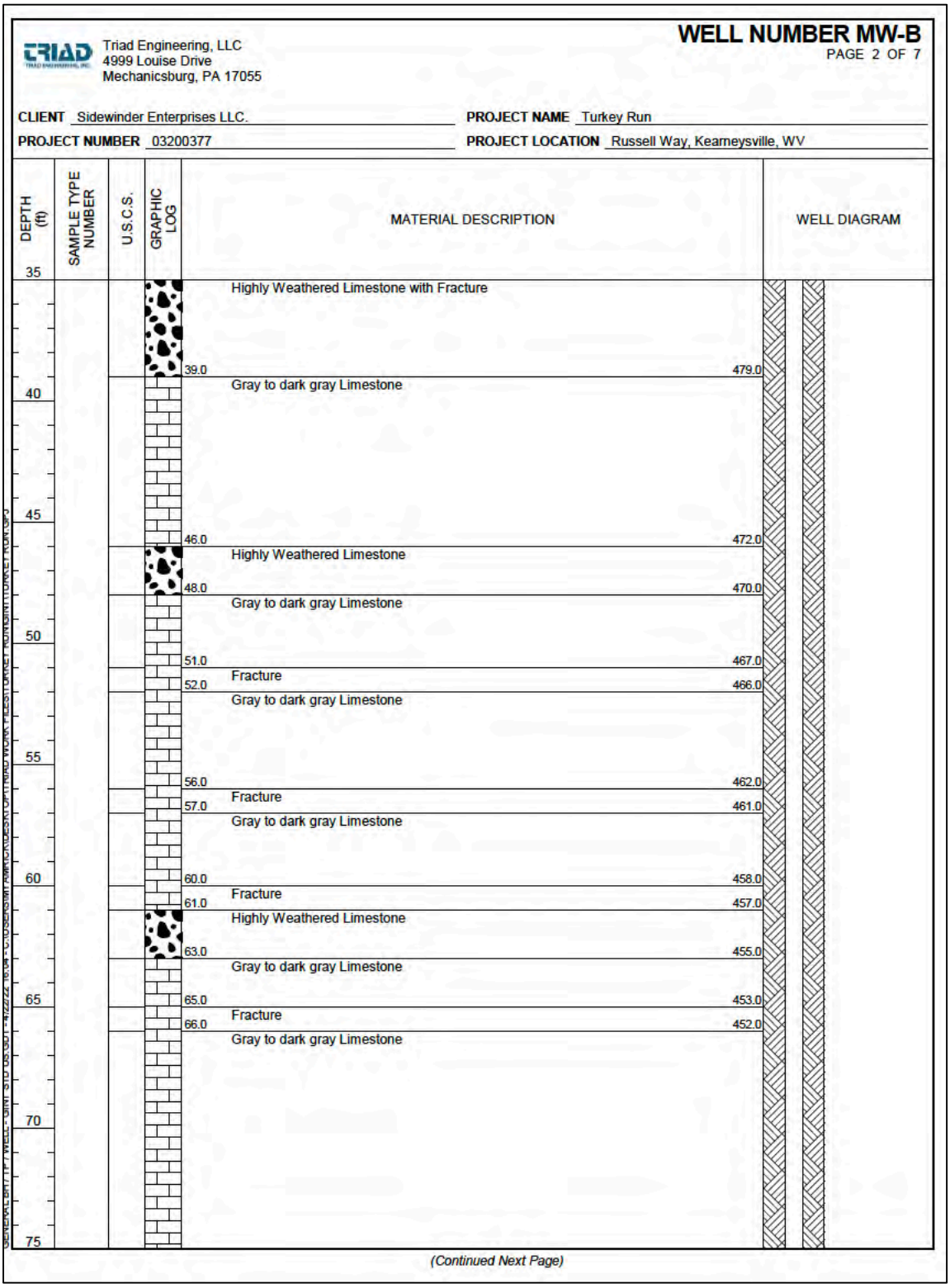



**Figure 1. Portion of the well log for Well MW-B showing discrete water bearing zones common in limestone karst aquifers (Triad Report 2022 Appendix A).**

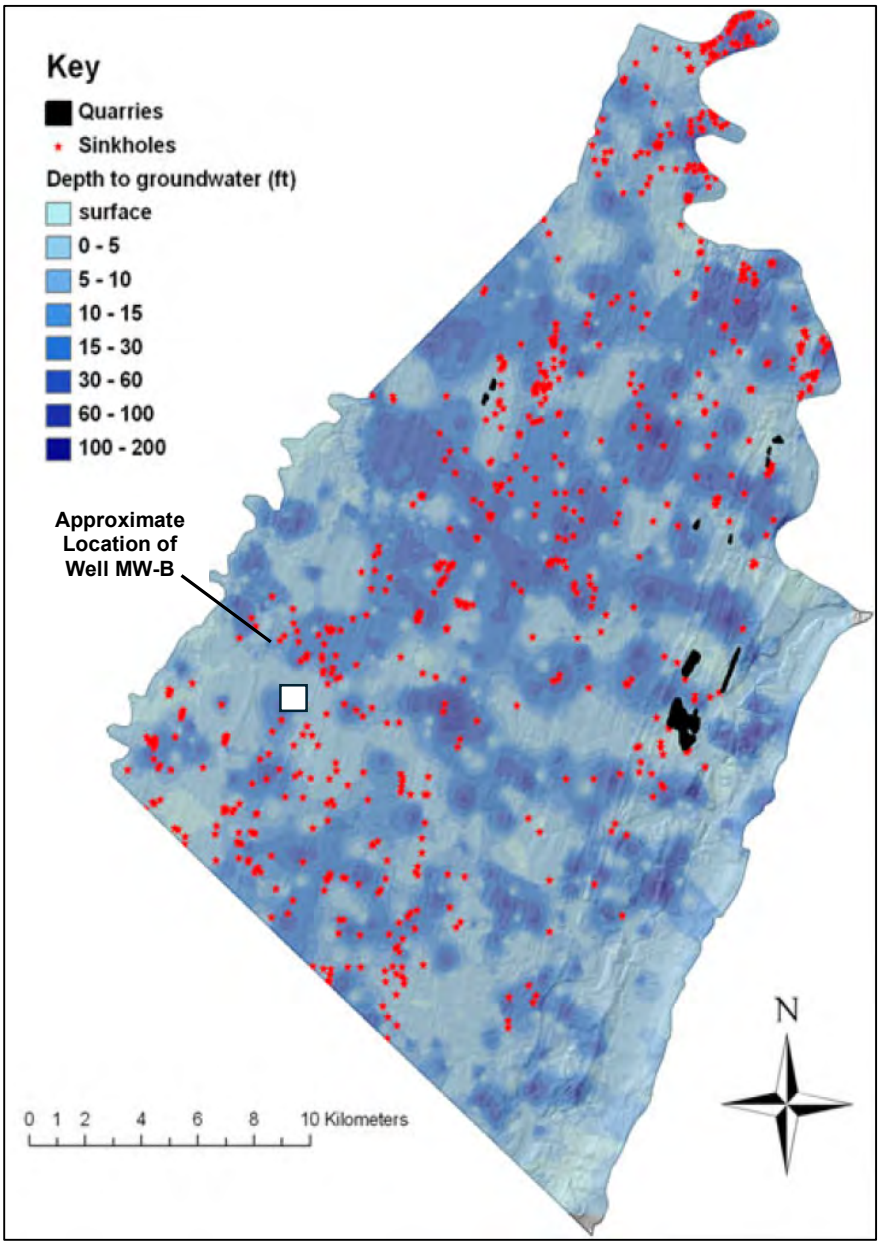



**Figure 1. Sinkholes in Jefferson County showing approximate site of the facility (may from Doctor and Doctor, 2018).**

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Exhibit B

April 28, 2022

Sidewinder-Enterprises, LLC.
Attn: Sean Masterson and Jeff Fischbeck
4340 Von Karman Ave #380
Newport Beach, California 92660

**Subject:** **Report of Hydrogeological Assessment**
*Turkey Run Spring/MW-B*
*Middleway, West Virginia*
Triad Project No. 03-20-0377

Dear Mr. Masterson and Fischbeck:

Enclosed is the *Hydrogeological Assessment Report* for the above-referenced property. If you have any questions or need additional information, please feel free to contact the undersigned.

Sincerely,

**Triad Engineering, Inc.**

Michael Yamrick, P.G.
Project Geologist

Nicholas J. Wolfe, P.G.
Regional Manager/Environmental Services Manager

# Hydrogeological Assessment Report

***Turkey Run Spring/MW-B***
**Middleway, West Virginia**



**Triad Project No.: 03-20-0377**

**Prepared for:**
Mr. Sean Masterson and Jeff Fischbeck
Sidewinder-Enterprises, LLC.
4340 Von Karman Ave #380
Newport Beach, California 92660

**Prepared By:**
Triad Engineering Inc.
1075-D Sherman Avenue
Hagerstown, Maryland 21740

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## 1.0 INTRODUCTION

This Report presents the results of the Hydrogeological Assessment performed at the Turkey Run Spring site, located in Middleway, WV. Triad Engineering, Inc. (Triad) understands that the site is proposed for development and that a new potable water source is needed. Additionally, it is understood that there is one existing on-site public water supply well located at the north end of the property (PW-1), which is indicated on the Test Well Location Plan attached to this Report in **Appendix A**. The anticipated potable water demand associated with the proposed development is approximately 1.728 million gallons per day (gpd), or about 1,200 gallons per minute (gpm).

The purpose of this work is to evaluate the potential for developing a potable water supply for the site. This assessment included the drilling and installation of two new test wells (MW-A and MW-B), preliminary aquifer testing of MW-B, groundwater quality sampling/analysis of MW-B and the Spring, recharge analysis associated with the proposed potable water supply, and an area impact evaluation. The results of this assessment are summarized herein and indicate that Well MW-B (which was drilled as part of this assessment) is suitable, with appropriate treatment measures, for potable use with a sustainable yield of about 1.728 million gpd or about 1,200 gpm.

## 2.0 SITE LOCATION

The Site includes approximately 13.22 acres and is located southeast of Middleway in Jefferson County, West Virginia and is currently the site of a mobile home park. The Site consists of Turkey Run Spring and Lake Louise, forested wetlands, and small portion of uplands. The general topography of the Site is predominately flat. Based on review of the 2019 U.S. Geological Survey (USGS) Middleway 7.5-minute quadrangle, surface elevations at the Site range from approximately 512-530 feet above mean sea level (M.S.L). A topographic map is included in **Appendix A**. Turkey Run originates east of Lake Louise; however, during field investigations this section of Turkey Run was dry. At Lake Louise, Turkey Run is prominent and flows in a westerly direction towards the 260-

acre unoccupied manufacturing facility currently owned by Sidewinder Enterprises, LLC., and then continues west towards the Opequon Creek.

## 3.0 GEOLOGIC AND HYDROGEOLOGIC SETTING

Based on the 1990 West Virginia Geological and Economic Survey, Map-WV35, Titled, "Geology of Berryville, Charles Town, Harpers Ferry, Middleway, and Round Hill quadrangles, Jefferson County, West Virginia", the Site is underlain by the Rockdale Run Formation. The Rockdale Run Formation consists of *"*gray to light gray algal limestone with interbedded aphanitic limestone and dolomite; channel fillings with fossil fragments, reworked limestone, and oolites common; chert occurs throughout, several characteristic fossil zones with Stromatolite chert "heads" near base. This unit ranges from 2,400-2,750 feet thick*"*. A *Geologic Map* is included in **Appendix A.**

1995 USGS Report entitled "Geohydrology, Ground-Water Availability, and Ground-Water Quality of Berkeley County, West Virginia, with Emphasis on the Carbonate Rock Area" was reviewed. This report documents that an approximate 10 inches per year (in/yr) water recharge to the subsurface within a 60 square mile study area located in Berkeley County based on an average of about 40-inches per year of precipitation. A Drought-year precipitation total of about 24.7-inches has an effective recharge of approximately 6.14-inches per year. The 1995 USGS Report data were collected between the years 1989 and 1990. This recharge rate was estimated by using a hydrologic budget approach and calculating the discharge of the groundwater basin area and completing an extensive study of stream and spring discharges. However, for the purposes of this report an estimated percentage of precipitation based on the 1995 recharge rate will be utilized for the site-specific recharge rates.

## 4.0 WELL DRILLING

As part of this evaluation, two approved drilling locations indicated on the Test Well Location Plan were explored. Negley's Well Drilling (Negley's) performed well drilling and installation operations, by making use of an air rotary drilling rig. The newly drilled locations are Wells MW-A and MW-B as indicated on the Plan. Well logs completed for these wells are attached to this Report in **Appendix B**. The following bullets briefly summarize information regarding the newly drilled locations.

- Well MW-A was drilled to a depth of approximately 255 feet below existing ground surface (ft bgs); 6-inch inside diameter (I.D.) steel casing was installed and tremie-grouted to approximately 121 ft bgs. Relatively major water bearing zones were encountered at approximately 141-150, 155-156, 163-165, and 167-169 ft bgs. Cumulative driller preliminary air-lift yield was estimated to be upwards of about 150 gpm or more. Due to the presence of mud in the borehole, MW-A was used only as a monitoring well. The static water level measured on 3-6-2022, was 5.75 ft bgs.

- Well MW-B was drilled to a depth of approximately 225 ft bgs, 6-inch I.D. steel casing was installed and grouted to approximately 78 ft bgs. Well MW-B was initially drilled as a 6-inch I.D. pilot hole, and subsequently reamed to 10-inch I.D., based on apparent relatively high production potential. Major water bearing zones were encountered at about 87-88, 118-119, and 173-187 ft bgs. Cumulative driller preliminary air-lift yield was estimated to be approximately 2,000-4,000 gpm. The static water level measured on 3-6-2022, was 5.49 ft bgs.

Well MW-B was developed such that discharge water was free of cuttings and sediment. It is noted that MW-A was not able to be developed appropriately due to the presence of mud in the borehole. Wells MW-A and MW-B were also fitted with locking well caps.

## 5.0 DOWN-HOLE VIDEO LOGGING

Negley's utilized a Portable Borehole Camera to conduct down-hole video observation in Well W-B. The color borehole camera was used to observe the well casing and distinctive features that may be present within the well. The camera was lowered from the ground surface to approximately 195 ft bgs, with a "down-view" camera angle to observe whether the wells were free of obstructions and a rotating "side-view" camera angle to observe conditions within the well from the bottom of the well, up to the ground surface.

A summary of the down-hole video logging for Well MW-B, is provided herein. It is noted that well logs, in part, are based on materials that are brought to the surface after the depths at which they are encountered have been penetrated. Consequently, depth estimates for encountered features can be less precise than those generated by a down-hole logging system, such as a caliper log or video. Additionally, relatively small openings and variations in the borehole diameter, detected by logging systems, may be unnoticed during the drilling processes. The full down-hole video file for the existing well should be reviewed for additional information on observed well conditions.

The down-hole view of the camera indicated that the bottom of steel casing was at about 84.3 ft bgs. The camera was lowered to a depth of approximately 195 ft bgs where a fracture/void was observed. The camera uses four centralizing bands that expand away from the camera in order to keep the camera in the center of the borehole. The centralizing bands can become lodged in the fracture/void, which threatened to inhibit the movement of the camera and to cause the potential loss of the camera. Therefore, the camera was not lowered further. The side-view camera angle indicated zones that appeared to be associated with relatively weathered rock and/or fractures, including at the following approximate depths: about 120, 145, 168, 175-195+.

The well log indicates that water-bearing fractures were encountered at about 118-119 and 173-187 ft bgs. The video log appears to indicate relatively pronounced features in agreement (within 2-3 feet) with the well log.

## 6.0 AQUIFER TESTING OPERATIONS AND RESULTS

An aquifer test was performed using Well MW-B as the pumping well, and observing groundwater levels in two observation wells, MW-A and PW-1. The following includes a summary of information regarding the wells used in testing, the test operations, the analysis aquifer testing data, and a discussion of recharge.

### 6.1 Pumping Well and Observation Points

The Pumping Well and observation Point locations are shown on the Test Well Location Plan. Select, available well information is summarized for wells used in the aquifer test in *Table 1.*

Triad observed groundwater levels within pumping Well MW-B and observation wells during the aquifer testing, i.e., Wells MW-A and PW-1. Lake Louise, and the Spring, were also observed and is situated approximately 350 ft to the southwest of the pumping Well MW-B. Wells MW-B, MW-A, and PW-1 were observed utilizing electronic water level probes and Van Essen Diver pressure transducers. A Barologger was also deployed at the site to collect atmospheric pressure data for use in compensation of groundwater level data. The Spring was also observed utilizing electronic water level probes and Van Essen Diver pressure transducers. Groundwater level measurements were recorded to the nearest 0.01-foot. It is noted that PW-1 is an actively pumped supply well for the mobile home park that is on-site which was in operation during the pumping test of MW-B.

## Table 1: Summary of Well and Pumping Test Data

| Well ID | Well Type | Approximate Latitude** | Approximate Longitude** | Total Well Depth (ft bgs) | Casing Depth (ft bgs) | Static Depth to Water (ft bgs)* | Depth to Potential Water-Bearing Fractures (ft bgs) | Approximate Distance from Pumping Well MW-B (ft) | Pumping Test Rate (gpm) | Max. Change in Water Level During Aquifer Test (ft) MW-B (124.5-hr) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-B | Pumping (Proposed Production) | 39.300675° | -77.968529° | 225 | 78 | 5.49 | 87-88, 118-119, and 173-187 | 0 | 1,200 | 5.35 |
| MW-A | Observation | 39.300922° | -77.968996° | 255 | 121 | 5.75 | 141-150, 155-156, 163-165, and 167-169 | 160' West | N/A | 0.57 |
| PW-1 | Observation | 39.304666° | -77.966652° | Unknown | Unknown | 18.8 | Unknown | 1,550' Northeast | N/A | 2.06< |
| Spring | Observation | 39.300120° | -77.969513° | Unknown | N/A | 4.2 | N/A | 350 Southwest | N/A | 0.11> |

**Notes:** N/A: Not Applicable

* Static water levels measured on 3-6-22, prior to test initiation

** Estimated based on Google Earth

Ft bgs – feet below existing ground surface
Gpm – gallons per minute
< It is noted that PW-1 is actively being pumped to supply water to the mobile home park. Max change in water level is affected by the pumping interval of the installed pump.
> Level is potentially impacted by wind and precipitation

Triad also observed streamflow measurements near the intersection of Turkey Run and Queen Street, in Middleway, WV, which is located approximately 4,500 feet to the west of MW-B and is shown on the Test Well Location Plan. Triad monitored streamflow measurements by making use of a stream gauge. Water levels were monitored throughout the test to ensure that water was not recycling within the spring back into the groundwater. Table 2 below summarizes the results of the stream monitoring. It is noted that, due to human error, it is possible that the flow values could be off by +/- 0-200 gpm. The flow at the monitoring location shows that it increased by approximately 1,200 gpm, which would indicate that there was no recycling of discharge water back into the aquifer.

**Table 2: Summary of Stream Flow Monitoring**

| Date | Time | Flow (cfs) | Flow (gpm) |
|---|---|---|---|
| 3/6/2022 | 10:00 | 8.14 | 3,651.1 |
| 3/6/2022 | 18:00 | 8.99 | 4,035.0 |
| 3/8/2022 | 9:30 | 9.73 | 4,368.2 |
| 3/9/2022 | 8:00 | 10.64 | 4,776.1 |
| 3/10/2022 | 17:00 | 10.71 | 4,807.1 |
| | | | |
| | **Difference** | **2.58** | **1,156.0*** ** |

Notes: cfs - Cubic Feet per Second
gpm - Gallons per Minute
*** +/- 0-200 gpm due to human error

## 6.2 Step-drawdown Test

Triad performed a step-drawdown test of Well MW-B on 3-1-22, with successively increasing pumping segments of about 700, 1,052, 1,200, and 1,400 gpm, each with an equal duration of about 120 minutes. Step testing provided information for determining the pumping rate for the 124.5-hour aquifer test, i.e., 1,200 gpm. The step-drawdown hydrograph is attached to this Report in **Appendix D**.

## 6.3 Aquifer Test Operations

The aquifer test consisted of a 124.5-hour constant rate pumping test of Well MW-B, at a rate of approximately 1,200 gpm. The aquifer test was performed during the period of March 6 through March 11, 2022.

Prior to initiation of the aquifer test, static groundwater levels were measured in the pumping well and within observation points (see *Table 1* for measured static water levels). Wells MW-B, MW-A, PW-1, and the Spring were observed utilizing electronic water level probes and Van Essen Diver pressure transducers, while stream flow monitoring was observed via staff gauge near the intersection of Turkey run and Queen Street in

Middleway, WV. An electronic Barologger was also deployed, through which atmospheric barometric pressure data was collected, which was subsequently used to compensate for changes in barometric pressure. Groundwater level measurements were recorded to the nearest 0.01-foot.

A submersible pump was lowered into Well MW-B, to a depth of approximately 80 ft bgs, by Negley's for test performance. A monitoring tube was installed within the pumping well to prevent instrumentation from being entangled within the well, and to avoid influence of potential cascading water. A generator was mobilized to provide a power source for the pump. Discharge from the pumping well was regulated by a ball valve. A flow meter was utilized for discharge rate measurements. Discharge rate measurements were measured every 60 minutes or less during aquifer testing. Discharged groundwater was directed away from the test area using approximately 700-feet of discharge hose. The discharge ran from Well MW-B to the outflow of Lake Louise, located to the west of Well MW-B. A discharge apparatus was constructed to prevent scouring of the streambed and to prevent discoloration of the stream. Additionally, all discharge water was observed to be clear during the test. Images of the discharge apparatus and discharging water are included in **Appendix C**.

## 6.4 Aquifer Test Observations

Triad analyzed the results of the aquifer test to evaluate the yield potential of Well MW-B, and the potential for well interference between Wells MW-B, MW-A, PW-1, and Lake Louise/Spring. Time drawdown hydrographs of water levels observed within Pumping Well MW-B and Observation Points MW-A, PW-1, and the Spring, are attached to this Report in **Appendix D**. Based on review of the hydrographs for Observation Points MW-A, PW-1, and the Spring, it appears that groundwater levels are minimally influenced by the pumping of proposed production Well MW-B. Observed maximum drawdown in those wells is indicated in *Table 1*.

## 6.5 Aquifer Parameter Estimation

Time-drawdown data from the 124.5-hour aquifer test were plotted and analyzed via the Theis (1935) theoretical model using the Aqtesolv program (Hydrosolve, Inc., 2007), to evaluate aquifer parameters. The analysis resulted in a transmissivity (T) value of approximately 3.683E+5 $ft^2$/day with a saturated thickness of 300 feet. Storage coefficient values obtained through aquifer test analysis are estimated to be approximately 2.828E-34. The analysis resulted in an approximate hydraulic conductivity (K) value of 1,227.6 ft/day.

## 6.6 Well MW-B Yield Estimation

The sustainable yield of Well MW-B was estimated based upon consideration of testing results, including projection of the 1,200 gpm aquifer test and projection of Well MW-B time drawdown data to 1, 6, 12, and 30-years: and an observed water column of about 82 feet above the uppermost water-bearing fracture in Well W-1B (available drawdown).

As previously noted, the 1, 6, 12, and 30-years projection of Well MW-B time-drawdown data (for the 1,200 gpm test rate) indicates that the water level in Well MW-B would remain above the uppermost major water-bearing zone. Allowing for the potential lowering of the groundwater table due to drought conditions, by up to about 20 feet (extreme case), results in an estimated sustainable yield for Well MW-B of at least 1,200 gpm, or 1.728 million gpd.

# 7.0 SAMPLING COLLECTION AND ANALYSIS

Triad personnel collected one sample from each of Well MW-B and Lake Louise, near the point of discharge of the spring, during the aquifer test. The samples were collected in general accordance with standard industry practice. The samples were decanted directly into laboratory-cleaned sampling containers, immediately placed on ice to maintain a temperature of 4ºC, and transported to Eurofins, located in Mechanicsburg, Pennsylvania

for analysis. The samples were analyzed for parameters which is beyond what is required by the West Virginia Department of Health for new potable groundwater sources. The analysis in general included volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, inorganic chemicals (IOCs), bacteriological, and radiological parameters. The analytical data are summarized on the laboratory Certificate of Analysis reports, attached to this Report in **Appendix E**.

During the aquifer test, Triad personnel collected periodic groundwater quality measurements from Well MW-B, by making use of a Hanna multi-parameter water quality meter. The meter was used to monitor parameters to include temperature, pH, oxygen reduction potential (ORP), electrical conductivity, turbidity, and dissolved oxygen.

## 7.1 Well MW-B Sampling Results

The laboratory analytical results for Well MW-B indicate that VOCs and SVOCs were not detected. The results for IOCs were either not detected or were detected at levels below their respective United States Environmental Protection Agency (USEPA) drinking water standard. Total coliform and E. coli were detected within the sample; Total coliform was detected at 200 colony forming units per 100 milliliters (cfu/100 ml); E. coli was detected at 10 cfu/100 ml.

Metals were not detected or were detected below their respective USEPA Maximum Contaminant Levels (MCLs) or Secondary Drinking Water Standards (SDWS). According to the USEPA, Secondary Drinking Water Standards are non-enforceable guidelines related to aesthetic and cosmetic effects in drinking water.

The laboratory analytical results indicated that detections of combined radium 226 and 228 were below the USEPA MCL of 5 picocuries per liter (pCi/L). The combined Radium 226 and 228 was 0.870 pCi/L. Gross Alpha was detected in the sample (2.93 pCi/l) but is below the USEPA MCL of 15 pCi/l. Gross Beta was also detected in the sample (0.17 pCi/l) but

is below the USEPA MCL of 50 pCi/l. See **Appendix E** for detailed information regarding laboratory analytical results.

The multi-parameter instrument results were as follows: temperature readings from Well MW-B ranged from 12.6° to 14.22° Celsius; pH ranged from 7.22 to 7.38; ORP ranged from 87.6 to 142 millivolt (mV); electrical conductivity ranged from 546 to 651 micro siemens per centimeter (mS/cm); dissolved oxygen ranged from 9.14 to 10 mg/L; and total dissolved solids (TDS) ranged from 231 to 338 parts per million (ppm).

The results of the groundwater sampling and analysis for analyzed parameters associated with Well MW-B, indicate that the sampled groundwater produced by the well is generally suitable for potable use, assuming appropriate treatment is implemented to reduce/remove total coliform and E. coli.

## 7.2 The Spring Sampling Results

The laboratory analytical results for the Spring indicate that VOCs and SVOCs were not detected. The results for IOCs were either not detected or were detected at levels below their respective USEPA drinking water standard. Total coliform and E. coli were detected within the sample; Total coliform was detected at 330 colony forming units per 100 milliliters (cfu/100 ml); E. coli was detected at 3 cfu/100 ml.

Metals were not detected or were detected below their respective USEPA Maximum Contaminant Levels (MCLs) or Secondary Drinking Water Standards (SDWS). According to the USEPA, Secondary Drinking Water Standards are non-enforceable guidelines related to aesthetic and cosmetic effects in drinking water.

The laboratory analytical results indicated that detections of gross alpha and combined radium 226 and 228 were not detected. Gross Beta was detected in the sample (0.17 pCi/l), but is below the USEPA MCL of 50 pCi/l. See **Appendix E** for detailed information regarding laboratory analytical results.

The multi-parameter instrument results at the time of sampling were as follows: temperature readings from Lake Louise were 12.62° Celsius; pH was 7.30; ORP was 98 mV; electrical conductivity was 571 mS/cm; dissolved oxygen was 10.18 mg/L; and TDS was 286 ppm.

The results of the sampling and analysis for analyzed parameters associated with Lake Loise, indicate that the sampled groundwater produced by the well is suitable for potable use, assuming appropriate treatment is implemented to reduce/remove total coliform and E. coli.

## 8.0 RECHARGE EVALUATION

Triad prepared a recharge evaluation to provide an estimate of groundwater recharge that replenishes the aquifer system tapped by Well MW-B. Triad provides a comparison herein of estimated recharge estimate with the proposed withdrawal of about 1.728 million gpd from Well MW-B. The area of recharge applicable to this evaluation is assumed to be the approximate watershed indicated by the United States Geological Service (USGS) StreamStats website.

Triad estimated the total area of recharge by the approximate watershed indicated by the United States Geological Service (USGS) StreamStats website. The USGS StreamStats Report is attached to this Report in **Appendix F**. Based on an average annual and drought-year recharge estimates of 10- and 6.14-inches per year (see *Section 3.0*), and an evaluation area of approximately 3,027.21 acres, the respective estimated daily recharge for the area is approximately 2,252,102 and 1,383,408 gpd. Comparison of the recharge estimate with the proposed groundwater withdrawal of about 1,200 gpm, or 1,728,000 gpd indicates that there is enough available recharge, and that the proposed withdrawal is feasible with respect to normal recharge values. If the withdrawal rate was increased to 1,500 gpm, or 2,160,000 gpd, the withdrawal would be feasible with respect to normal recharge conditions. Additionally, if the pumping rate was increased to 2,000

gpm, or 2,880,000 gpd, the withdrawal rate would be greater than that of the approximate normal recharge conditions to the drainage basin. It is important to note that this recharge estimate only takes into consideration recharge from precipitation falling within the basin and does not account for groundwater recharge from adjoining basins.

## 9.0 AREA OF IMPACT EVALUATION

To facilitate the Area of Impact (AOI) analysis, a groundwater flow model was constructed. Triad utilized the U.S. Geological Survey three-dimensional groundwater flow modeling program MODFLOW (McDonald and Harbaugh, 1988), as incorporated into Groundwater Modeling System (GMS), Aquaveo. A Conceptual MODFLOW model with grid dimensions of 5,000 by 5,000 feet and more refined grid spacing at the areas around the simulated pumping location. Model boundaries were extended to 5,000 feet to reduce the potential for boundary influence on the simulated well. The model was constructed with one layer, and a saturated thickness of approximately 300 feet was assumed in the model based on observed static groundwater levels and the depths drilled by the well used in the aquifer testing. Model parameters included a hydraulic conductivity of approximately 1,227.6 ft/day based on the geometric mean T-value of 3.683E+5 $ft^2$/day and the 300-foot aquifer thickness (see *Section 5.5*). A specific storage of 1.1E-5 was used for storage property assignment to the simulated aquifer materials. An effective recharge rate of 10-inches per year was incorporated into the model. Prescribed head and low-flow boundaries were assigned at the margins of the model.

### 9.1 1,200 gpm Flow Model

A steady state simulation was performed without simulated pumping to obtain a set of initial head values for the transient simulation. A transient simulation was then performed over a 1, 6, 12, and 30-year period incorporating the withdrawal from Well MW-B, pumping at 1,200 gpm or about 1.728 million gpd. The results of the transient simulation, under normal conditions, are attached to this Report in **Appendix G**, and indicates that MW-B will have less than approximately 2 feet and 5 feet of drawdown after 1 and 30-

years of pumping, respectively. At the edges of the model, approximately 5,000 feet away from MW-B, there would be less than approximately 1- and 4-feet of drawdown after 1 and 30-years of pumping, respectively.

A transient simulation was then performed over a 1-year period incorporating the withdrawal from Well MW-B, pumping at 1,200 gpm or about 1.728 million gpd during drought conditions (6.14-inches per year). The results of the transient simulation, under drought conditions, are attached to this Report in **Appendix G**, and indicate that there is approximately 4 feet of drawdown at the pumping well and approximately 3 feet at the edges of the 5,000 by 5,000 foot model after 1 year.

It is noted that the predicted drawdown associated groundwater flow model is less than the drawdown observed during the aquifer testing. This may be due to several conditions including the following: recharge is input to the model at a constant rate over the modeled area as compared with potentially lower recharge spatially and temporally in reality; flow in the model is simulated throughout the aquifer thickness whereas flow to Well MW-B during testing may have been more concentrated in bedding planes/fractures resulting in greater drawdown propagation at the higher pumped rate than simulated, etc.

### 9.2 2,000 gpm flow model

Additionally, a second AOI evaluation was performed with a higher pumping rate of 2,000 gpm. Again, a steady state simulation was performed without simulated pumping to obtain a set of initial head values for the transient simulation. A transient simulation was then performed over a 1, 6, 12, and 30-year period incorporating the withdrawal from Well MW-B, pumping at 2,000 gpm or about 2.880 million gpd. The results of the transient simulation are attached to this Report in **Appendix G**. The flow model indicates the following: Drawdown at Well MW-B would be less than approximately 5, 22, 42, and 101 feet after 1-, 6-, 12-, and 30-years of pumping, respectively; drawdown at approximately

5,000 feet from Well MW-B would be less than approximately 4, 21, 41, and 100 feet after 1-, 6-, 12-, and 30-years of pumping, respectively.

It is noted that the predicted drawdown associated with this groundwater flow model is more than the drawdown prediction calculations (see section 8.3) for the time periods of 6-, 12, and 30-years. This may be due because the recharge is input into the model at a constant rate over the modeled area whereas the drawdown calculations have infinite or non-definable area, which would result in greater drawdown in the flow model versus the drawdown prediction calculations.

A transient simulation was then performed over a 1-year period incorporating the withdrawal from Well MW-B, pumping at 2,000 gpm or about 2.880 million gpd during drought conditions (6.14-inches per year). The results of the transient simulation, under drought conditions, are attached to this Report in **Appendix G**, and indicate that drawdown at Well MW-B would be less than approximately 7 feet after 1-year of pumping and drawdown at approximately 5,000 feet from Well MW-B would be less than approximately 6 feet after 1-year of pumping.

### 9.3 Theis Method Drawdown Prediction Calculations

As a secondary check of the MODFLOW model, Triad utilized a modified Theis equation to predict drawdown at the well location and up to 2,000 feet from the pumping well. Based on the transmissivity value of 3.683E+5 $ft^2$/day, a storage coefficient of 2.828E-34, a withdrawal rate of 1,200 gpm, and **no recharge,** would lower the water level by about 4.71 and 4.88 feet at the pumping well after 1 and 30 years, respectively. The water level would lower by about 4.18 and 4.35 feet at approximately 2,000 feet from the pumping well after 1 and 30-years, respectively. It is noted that if recharge was incorporated into the drawdown calculations, it would likely decrease the amount of lowering that occurs to the water level.

Under drought conditions, 6.14 inches per year, the water level would lower by about 8.47 feet at the well and by about 7.52 feet at approximately 2,000 feet from the pumping well after 1 year of drought conditions while pumping the well at 1,200 gpm.

Additionally, with a withdrawal rate of 2,000 gpm, and **no recharge**, the water level would lower by about 7.84 and 6.96 feet at the pumping well after 1 and 30 years, respectively. The water level would lower by about 8.13 and 7.24 feet at approximately 2,000 feet from the pumping well after 1 and 30-years, respectively. It is noted that if recharge were incorporated into these drawdown calculations, it would likely decrease the amount of drawdown that occurs.

Under drought conditions, 6.14 inches per year, the water level would lower by about 11.61 feet at MW-B and by about 10.3 feet at approximately 2,000 feet from the pumping well after 1 year of drought conditions while pumping the well at 2,000 gpm.

The predicted future drawdown calculations are attached to this Report in **Appendix G**.

## 10.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the hydrogeological assessment indicate that Well MW-B can yield 1,200 gpm (or about 1.728 million gpd) without adversely impacting off-site wells. Water quality results for Well MW-B indicate that analyzed parameters were associated with concentrations below USEPA drinking water standards (for parameters associated with such standards). An exception is total coliform and E. coli which were greater than the regulatory standard for the parameters. Bacteria (total coliform and E. coli) in groundwater can be effectively treated to acceptable levels. The results of our recharge analysis indicate that the recharge to the aquifer system under normal conditions is greater than the anticipated withdrawals. The results of this evaluation indicate that the use of Well MW-B for potable supply at a rate up to about 1,200 gpm is feasible, pumping continually or as needed, provided appropriate treatment is applied to water produced by the well. Based on

the results of this evaluation, Well MW-B is capable of meeting and exceeding the anticipated 1.728 million gpd demand.

The results of this evaluation indicate that the use of Well MW-B for potable supply at a rate of up to about 2,000 gpm is feasible, but additional testing would be needed.

Triad provides the following recommendations with respect to the operation and water quality of Well MW-B:

- A Civil Engineer should review the Laboratory Certificates of Analysis data (attached in **Appendix E**) and any future analytical results, to determine the water quality treatment that may be necessary for Well MW-B as a potable source, and in the context of applicable reviewing agency requirements.

- It is recommended that groundwater pumping levels be maintained above the uppermost potential water-bearing fracture depth of approximately 87 ft bgs to avoid potential repeated exposure of the fractures to air, and to reduce the potential for mineral precipitation sealing water-bearing fracture zones.

- If a withdrawal rate of 2,000 gpm is needed, MW-B should be evaluated at a rate of 2,000 gpm and an AOI evaluation should be completed to indicate if any adverse impacts would occur to off-site wells.

- MW-B should be disinfected and resampled for total coliform and E. coli. Well disinfection can potentially remove total coliform and E. coli from instrumentation and the well casing.

- Operational groundwater level monitoring of Well MW-B should be performed on a near-continuous basis by making use of transducer/data logger instrument. A barometric logger should also be deployed in conjunction with the water level instrumentation for data compensation as applicable. A readily accessible,

permanent monitoring tube should be installed within Well MW-B for accommodation of water level logging instrumentation and electronic water level probe. Well MW-B should also be equipped with a flow meter/logging device.

- Observation Wells MW-A (if not abandoned) and PW-1 should be equipped with similar water level logging instrumentation as indicated herein for Well MW-B for operational monitoring.

- Triad should be afforded the opportunity to review operational monitoring data following system start up and on a quarterly basis for at least the initial year of production, in order to evaluate operational performance and provide additional recommendations as applicable.

End of Report

# Appendix A

# Test Well Location Plan

## Triad Project No. 03-20-0377




N

TRIAD ENGINEERING, INC.

# Test Well Location Plan

## Triad Project No. 03-20-0377



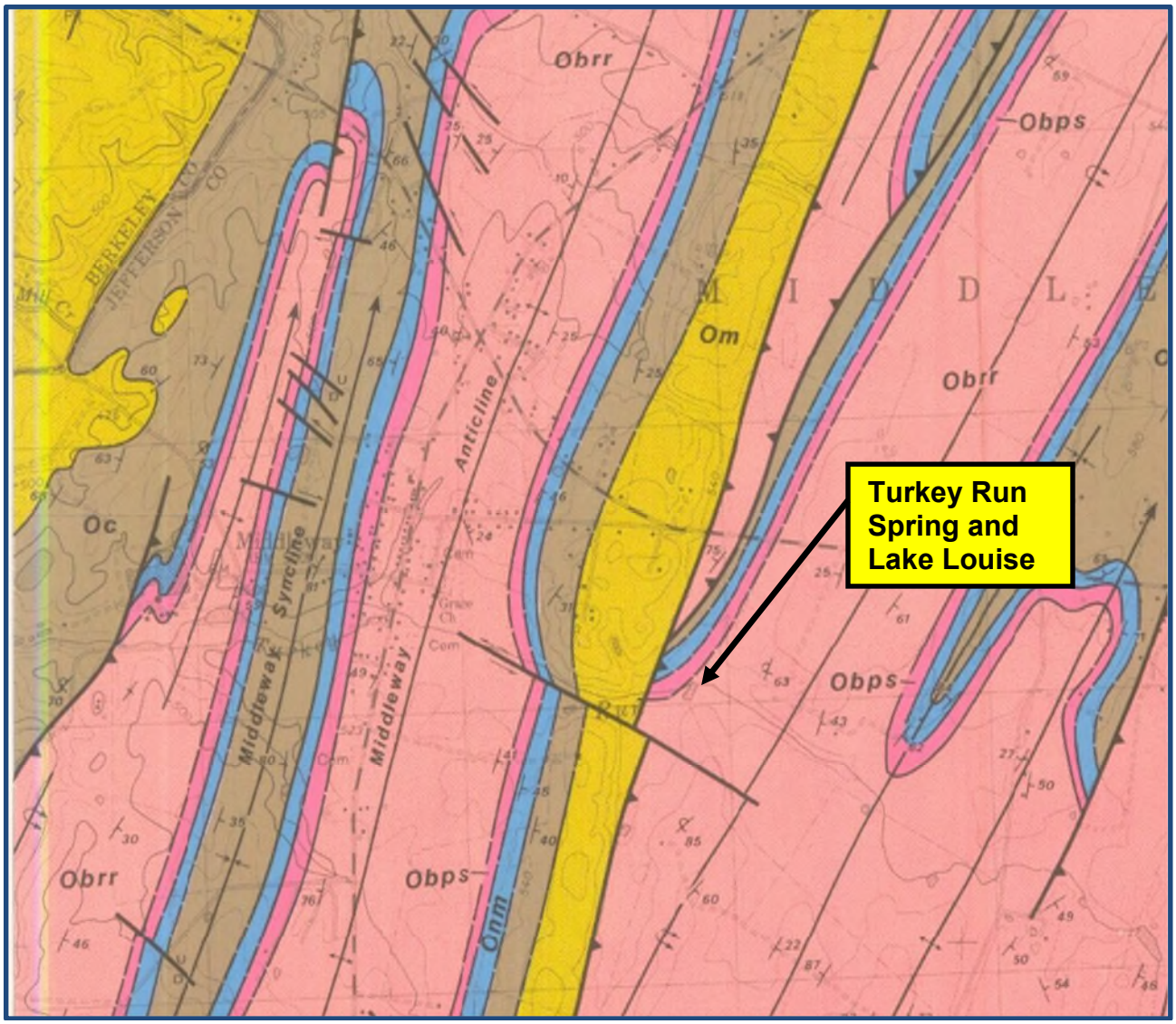

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TRIAD ENGINEERING, INC.

**Turkey Run**

**Triad Project No. 03-20-0377**

**Geologic Map**

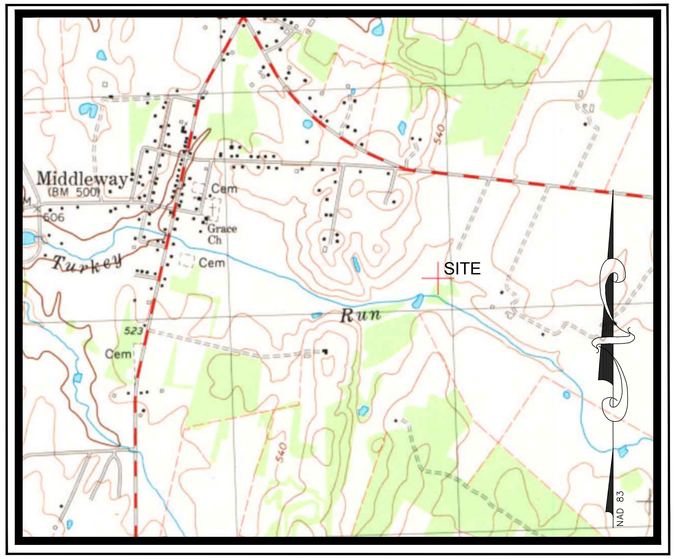



***Not to Scale***
Original Map Scale 1:24,000
Contour Interval: 20 Feet

N

TRIAD ENGINEERING, INC.

## VICINITY MAP:




SCALE: 1" = 1,000'

## LEGEND:

- INDICATES STUDY LIMITS
- W / W — INDICATES SUSPECT JURISDICTIONAL WATERS OF THE U.S. AND/OR WATERS OF THE STATE IN THE FORM OF PALUSTRINE FORESTED (PFO) WETLANDS.
- DP-# — INDICATES DATA PLOT SAMPLING LOCATION
- PP-# — INDICATES PICTURE POINT LOCATION AND DIRECTION
- TP-1 — INDICATES TEST PIT LOCATION
- W — WELL LOCATION
- FS12 — EXISTING 12 INCH FILTER SOCK
- EXISTING FOREST COVER - POST DISTURBANCE

## GENERAL NOTES:

1) SUSPECT JURISDICTIONAL WATERS OF THE U.S., AND WATERS OF THE STATE OF WEST VIRGINIA, INCLUDING WETLANDS, SHOWN HEREON WERE DELINEATED AND FLAGGED AS PART OF A WETLAND DELINEATION STUDY BY TRIAD ENGINEERING ON FEBRUARY 15, 2022 AND SUBSEQUENTLY LOCATED AS PART OF A FIELD-RUN SURVEY BY FOX AND ASSOCIATES, INC.ON FEBRUARY 17, 2022.

2) BOUNDARY AND TOPOGRAPHY INFORMATION SHOWN HEREON WAS PROVIDED BY FOX AND ASSOCIATES, INC.

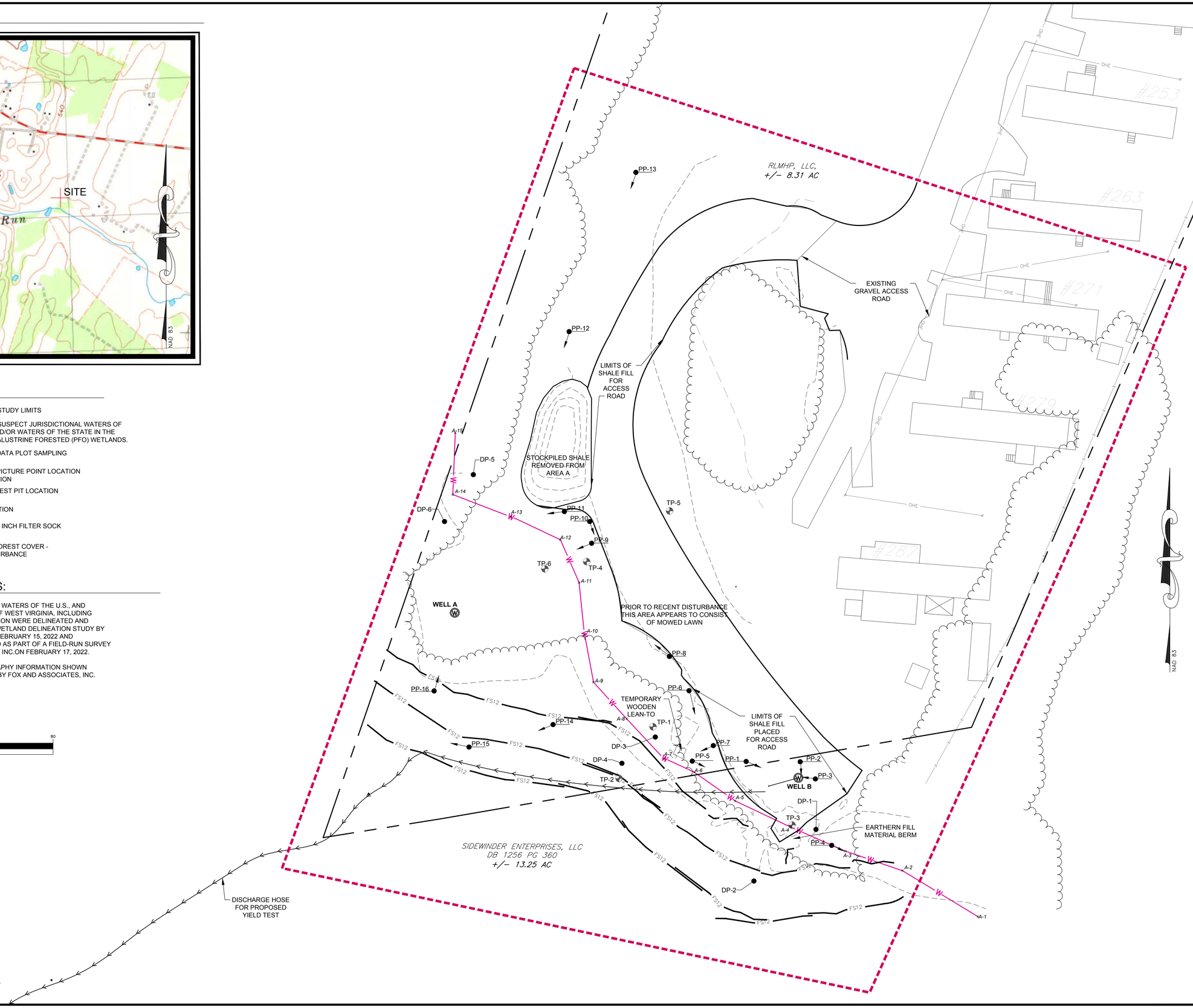
## GRAPHIC SCALE

20 0 10 20 40 80

( IN FEET )
1 inch = 20 ft.

## APPLICANT CONTACT INFO:

NAME: SIDEWINDER ENTERPRISES, LLC
ADDRESS- 2420 MANHATTAN AVENUE
MANHATTAN BEACH, CALIFORNIA 90266





**TRIAD ENGINEERING, INC.**
1075-D SHERMAN AVENUE
HAGERSTOWN, MD 21740
PH: 301.797.6400 FAX: 301.797.2424
OFFICE LOCATIONS
MARYLAND ○ PENNSYLVANIA ○ VIRGINIA ○ WEST VIRGINIA


| REV. # | DATE | DESCRIPTION | BY |
|---|---|---|---|
| | | | |

CADD FILE:
DRAWN BY: PMU
CHECKED BY: TJK
DATE: 2-23-2022
SCALE: 1"=20'

# WETLAND DELINEATION PLAN

## PORTIONS OF RLMHP LLC AND SIDEWINDER ENTERPRISES PROPERTIES

*MIDDLEWAY, JEFFERSON COUNTY WEST VIRGINIA*

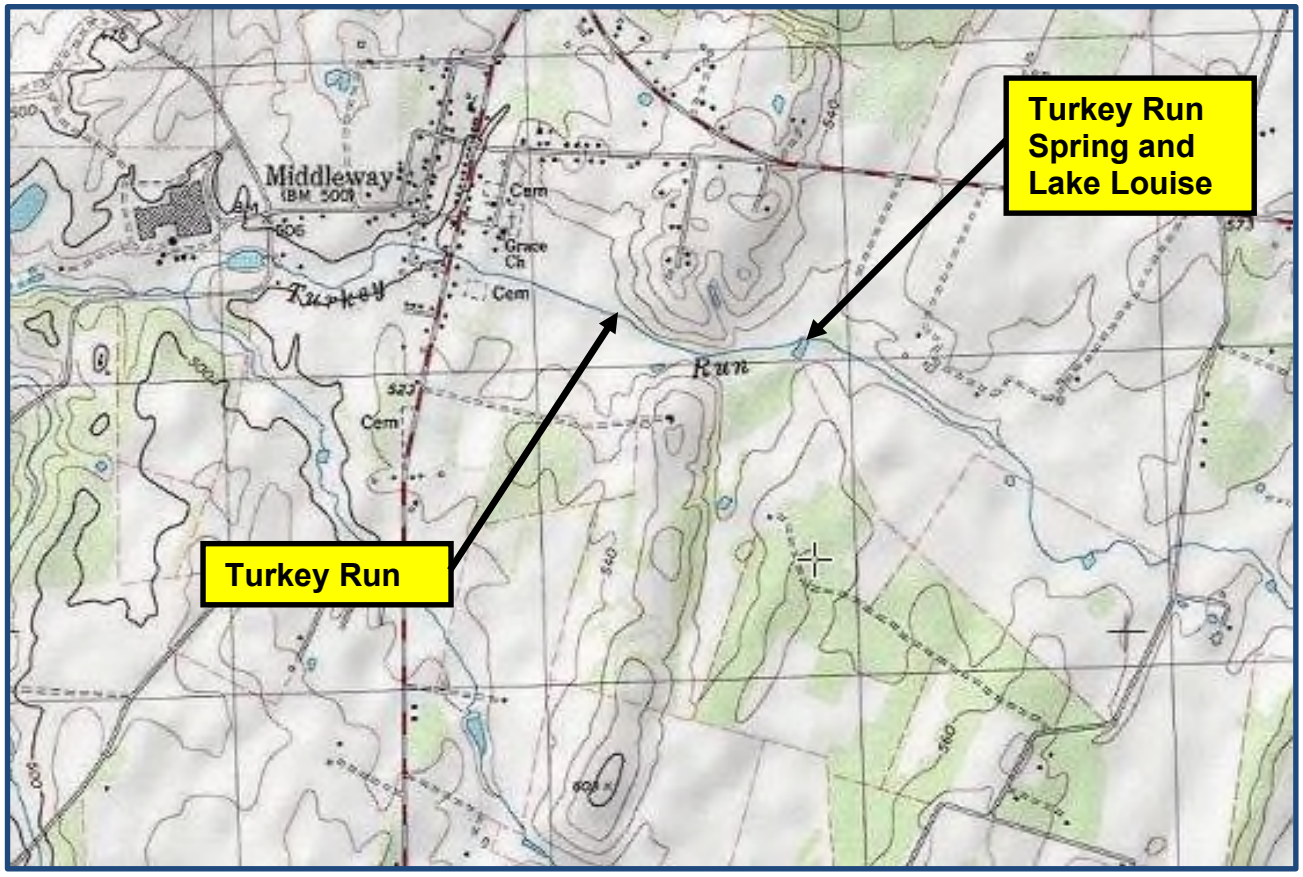
TRIAD ENGINEERING, INC.
www.triadeng.com

SHEET NUMBER:
WDP
JOB NO.: 03-20-0377

**Turkey Run**

**Topographic Map**

**Triad Project No. 03-20-0377**




**Sources:**

**U.S Geological Survey**
**Middleway Quandrangle**
**West Virginia**
**7.5 Minute Series**
**2019**

**U.S. Geological Survey**
**Inwood Quadrangle**
**West Virginia**
**7.5 Minute Series**
**2019**

N

TRIAD ENGINEERING, INC.

# Appendix B

## Well Logs

Triad Engineering, LLC
4999 Louise Drive
Mechanicsburg, PA 17055

# WELL NUMBER MW-A



**CLIENT** Sidewinder Enterprises LLC.
**PROJECT NAME** Turkey Run
**PROJECT NUMBER** 03200377
**PROJECT LOCATION** Russell Way, Kearneysville, WV
**DATE STARTED** 11/30/21 **COMPLETED** 12/2/21
**GROUND ELEVATION** 518 ft Topo **HOLE SIZE** 6
**DRILLING CONTRACTOR** Negley's Well Drilling
**GROUND WATER LEVELS:**
**DRILLING METHOD** Air Rotary
**AT TIME OF DRILLING** ---
**LOGGED BY** Mike Yamrick **CHECKED BY** Nick Wolfe
**AT END OF DRILLING** ---
**NOTES** Depth to water taken on 3-6-22
**AFTER DRILLING** 5.75 ft / Elev 512.25 ft

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | | WELL DIAGRAM |
|---|---|---|---|---|---|---|
| 0 | | | | | | Casing Top Elev: 521 (ft) Casing Type: 6 Inch Steel |
| | | GW | | (GW) Fill | 517.0 | |
| | | | | 1.0 | | |
| | | CL | | (CL) Dark brown Topsoil | | |
| 5 | | | | 6.0 ▼ | 512.0 | |
| | | | | Gray Limestone | | |
| 10 | | | | | | |
| | | | | 14.0 | 504.0 | |
| 15 | | | | Weathered Limestone | | |
| | | | | 15.0 | 503.0 | |
| | | | | Gray Limestone | | |
| | | | | 16.0 | 502.0 | |
| | | | | Weathered Limstone; Water Present | | |
| | | | | 17.0 | 501.0 | |
| 20 | | | | Gray to dark gray Limestone | | |
| 25 | | | | | | |
| 30 | | | | | | |
| 35 | | | | | | |

(Continued Next Page)

GENERAL BH / TP / WELL - GINT STD US.GDT - 4/22/22 16:04 - C:\USERS\MYAMRICK\DESKTOP\TRIAD WORK FILES\TURKEY RUN\GINT\TURKEY RUN.GPJ

Triad Engineering, LLC
4999 Louise Drive
Mechanicsburg, PA 17055

**CLIENT** Sidewinder Enterprises LLC. **PROJECT NAME** Turkey Run

**PROJECT NUMBER** 03200377 **PROJECT LOCATION** Russell Way, Kearneysville, WV

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | WELL DIAGRAM |
|---|---|---|---|---|---|
| 35 | | | | Gray to dark gray Limestone *(continued)* | |
| 40 | | | | 40.0 — 478.0 | |
| | | | | Light gray Limestone with calcite | |
| 45 | | | | 46.0 — 472.0 | |
| | | | | Gray Limestone | |
| 50 | | | | | |
| 55 | | | | | |
| 60 | | | | | |
| 65 | | | | | |
| 70 | | | | | |
| 75 | | | | | |

GENERAL BH / TP / WELL - GINT STD US.GDT - 4/22/22 16:04 - C:\USERS\MYAMRICK\DESKTOP\TRIAD WORK FILES\TURKEY RUN\GINT\TURKEY RUN.GPJ

*(Continued Next Page)*

Triad Engineering, LLC
4999 Louise Drive
Mechanicsburg, PA 17055

# WELL NUMBER MW-A



**CLIENT** Sidewinder Enterprises LLC. **PROJECT NAME** Turkey Run

**PROJECT NUMBER** 03200377 **PROJECT LOCATION** Russell Way, Kearneysville, WV

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | WELL DIAGRAM |
|---|---|---|---|---|---|
| 75 | | | | Gray Limestone *(continued)* | |
| 80 | | | | 80.0 — 438.0 | |
| 85 | | | | Highly weathered Limestone; Water and Mud Present. | |
| 90 | | | | 90.0 — 428.0 | |
| 95 | | | | Void | |
| 100 | | | | | |
| 105 | | | | | |
| 110 | | | | | |
| 115 | | | | | |

GENERAL BH / TP / WELL - GINT STD US.GDT - 4/22/22 16:04 - C:\USERS\MYAMRICK\DESKTOP\TRIAD WORK FILES\TURKEY RUN\GINT\TURKEY RUN.GPJ

*(Continued Next Page)*

Triad Engineering, LLC
4999 Louise Drive
Mechanicsburg, PA 17055

# WELL NUMBER MW-A



**CLIENT** Sidewinder Enterprises LLC. **PROJECT NAME** Turkey Run

**PROJECT NUMBER** 03200377 **PROJECT LOCATION** Russell Way, Kearneysville, WV

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | | WELL DIAGRAM |
|---|---|---|---|---|---|---|
| 115 | | | | | | |
| | | | | 116.0 Void *(continued)* | 402.0 | |
| | | | | Solid Rock; No Cutting Return | | |
| 120 | | | | 121.0 | 397.0 | |
| | | | | Casing Set at 121' | | |
| | | | | Gray to dark gray Limestone | | |
| 125 | | | | | | |
| | | | | 129.0 | 389.0 | |
| 130 | | | | 130.0 Fracture | 388.0 | |
| | | | | Gray to dark gray Limestone | | |
| | | | | 132.0 | 386.0 | |
| | | | | Highly Weathered Limestone with Fracture | | |
| 135 | | | | 135.0 | 383.0 | |
| | | | | Weathered Limestone | | |
| | | | | 139.0 | 379.0 | |
| 140 | | | | 140.0 Gray to dark gray Limestone | 378.0 | |
| | | | | 141.0 Fracture | 377.0 | |
| | | | | Gray to dark gray Limestone | | |
| 145 | | | | | | |
| 150 | | | | | | |
| 155 | | | | 155.0 | 363.0 | |

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Triad Engineering, LLC
4999 Louise Drive
Mechanicsburg, PA 17055

# WELL NUMBER MW-A



**CLIENT** Sidewinder Enterprises LLC. **PROJECT NAME** Turkey Run

**PROJECT NUMBER** 03200377 **PROJECT LOCATION** Russell Way, Kearneysville, WV

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | | WELL DIAGRAM |
|---|---|---|---|---|---|---|
| 155 | | | | | | |
| | | | | 156.0 Highly Weathered Limestone with Fracture | 362.0 | |
| | | | | Void | | |
| | | | | 158.0 | 360.0 | |
| | | | | 159.0 Highly Weathered Limestone with Fracture | 359.0 | |
| 160 | | | | Gray to dark gray Limestone | | |
| | | | | 163.0 | 355.0 | |
| | | | | Highly Weathered Limestone with Fracture | | |
| 165 | | | | 165.0 | 353.0 | |
| | | | | Gray to dark gray Limestone | | |
| | | | | 167.0 | 351.0 | |
| | | | | Void | | |
| | | | | 169.0 | 349.0 | |
| 170 | | | | Gray to dark gray Limestone | | |
| | | | | 171.0 | 347.0 | |
| | | | | Highly Weathered Limestone | | |
| | | | | 174.0 | 344.0 | |
| 175 | | | | Gray to dark gray Limestone | | |
| 180 | | | | | | |
| 185 | | | | | | |
| 190 | | | | | | |
| 195 | | | | | | |

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**CLIENT** Sidewinder Enterprises LLC. **PROJECT NAME** Turkey Run

**PROJECT NUMBER** 03200377 **PROJECT LOCATION** Russell Way, Kearneysville, WV

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | WELL DIAGRAM |
|---|---|---|---|---|---|
| 195 | | | | Gray to dark gray Limestone *(continued)* | |
| 200 | | | | 200.0 | |
| | | | | Gray to dark gray Limestone | |
| 205 | | | | | |
| 210 | | | | | |
| 215 | | | | | |
| 220 | | | | | |
| 225 | | | | | |
| 230 | | | | | |
| 235 | | | | 318.0 | |

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# WELL NUMBER MW-A



**CLIENT** Sidewinder Enterprises LLC. **PROJECT NAME** Turkey Run

**PROJECT NUMBER** 03200377 **PROJECT LOCATION** Russell Way, Kearneysville, WV

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | WELL DIAGRAM |
|---|---|---|---|---|---|
| 235 | | | | Gray to dark gray Limestone *(continued)* | |
| 240 | | | | | |
| 245 | | | | | |
| 250 | | | | | |
| 255 | | | | 255.0 | 263.0 |

Boring Terminated at 255'

Bottom of borehole at 255.0 feet.

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Mechanicsburg, PA 17055

# WELL NUMBER MW-B



**CLIENT** Sidewinder Enterprises LLC.
**PROJECT NAME** Turkey Run
**PROJECT NUMBER** 03200377
**PROJECT LOCATION** Russell Way, Kearneysville, WV
**DATE STARTED** 12/2/21 **COMPLETED** 12/7/21
**GROUND ELEVATION** 518 ft Topo **HOLE SIZE** 10
**DRILLING CONTRACTOR** Negley's Well Drilling
**GROUND WATER LEVELS:**
**DRILLING METHOD** Air Rotary
**AT TIME OF DRILLING** ---
**LOGGED BY** Mike Yamrick **CHECKED BY** Nick Wolfe
**AT END OF DRILLING** ---
**NOTES** Depth to water taken on 3-6-22
**AFTER DRILLING** -512.51 ft / Elev 1030.51 ft

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | | WELL DIAGRAM |
|---|---|---|---|---|---|---|
| 0 | | | | | | Casing Top Elev: 521 (ft)<br>Casing Type: 10 Inch Steel |
| | | GW | | (GW) Fill | | |
| | | | | | 3.0 / 515.0 | |
| | | | | Gray to dark gray Limestone | | |
| 5 | | | | | | |
| 10 | | | | | | |
| | | | | | 12.0 / 506.0 | |
| | | | | Weathered Limestone | | |
| | | | | | 14.0 / 504.0 | |
| 15 | | | | Gray to dark gray Limestone; with Calcite | | |
| | | | | | 19.0 / 499.0 | |
| 20 | | | | Weathered Limestone | 20.0 / 498.0 | |
| | | | | Gray to dark gray Limestone | | |
| | | | | | 23.0 / 495.0 | |
| | | | | Void; Water and Mud Present | | |
| 25 | | | | | | |
| | | | | | 26.0 / 492.0 | |
| | | | | Gray to dark gray Limestone | | |
| 30 | | | | | | |
| | | | | | 31.0 / 487.0 | |
| | | | | Weathered Limestone | | |
| | | | | | 33.0 / 485.0 | |
| | | | | Gray to dark gray Limestone | | |
| 35 | | | | | 35.0 / 483.0 | |

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# WELL NUMBER MW-B



**CLIENT** Sidewinder Enterprises LLC. **PROJECT NAME** Turkey Run

**PROJECT NUMBER** 03200377 **PROJECT LOCATION** Russell Way, Kearneysville, WV

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | | WELL DIAGRAM |
|---|---|---|---|---|---|---|
| 35 | | | | | | |
| | | | | Highly Weathered Limestone with Fracture | | |
| | | | | 39.0 | 479.0 | |
| 40 | | | | Gray to dark gray Limestone | | |
| 45 | | | | 46.0 | 472.0 | |
| | | | | Highly Weathered Limestone | | |
| | | | | 48.0 | 470.0 | |
| | | | | Gray to dark gray Limestone | | |
| 50 | | | | 51.0 | 467.0 | |
| | | | | Fracture | | |
| | | | | 52.0 | 466.0 | |
| | | | | Gray to dark gray Limestone | | |
| 55 | | | | 56.0 | 462.0 | |
| | | | | Fracture | | |
| | | | | 57.0 | 461.0 | |
| | | | | Gray to dark gray Limestone | | |
| 60 | | | | 60.0 | 458.0 | |
| | | | | Fracture | | |
| | | | | 61.0 | 457.0 | |
| | | | | Highly Weathered Limestone | | |
| | | | | 63.0 | 455.0 | |
| | | | | Gray to dark gray Limestone | | |
| 65 | | | | 65.0 | 453.0 | |
| | | | | Fracture | | |
| | | | | 66.0 | 452.0 | |
| | | | | Gray to dark gray Limestone | | |
| 70 | | | | | | |
| 75 | | | | | | |

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# WELL NUMBER MW-B



**CLIENT** Sidewinder Enterprises LLC. **PROJECT NAME** Turkey Run

**PROJECT NUMBER** 03200377 **PROJECT LOCATION** Russell Way, Kearneysville, WV

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | WELL DIAGRAM |
|---|---|---|---|---|---|
| 75 | | | | Gray to dark gray Limestone *(continued)* | |
| 80 | | | | 81.0 437.0 Weathered Limestone | |
| | | | | 83.0 435.0 Gray to dark gray Limestone | |
| 85 | | | | 87.0 431.0 Fracture | |
| | | | | 88.0 430.0 Gray to dark gray Limestone | |
| 90 | | | | | |
| 95 | | | | | |
| 100 | | | | | |
| 105 | | | | | |
| 110 | | | | | |
| 115 | | | | | |

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Mechanicsburg, PA 17055

# WELL NUMBER MW-B



**CLIENT** Sidewinder Enterprises LLC. **PROJECT NAME** Turkey Run

**PROJECT NUMBER** 03200377 **PROJECT LOCATION** Russell Way, Kearneysville, WV

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | WELL DIAGRAM |
|---|---|---|---|---|---|
| 115 | | | | Gray to dark gray Limestone *(continued)* | |
| | | | | 118.0 400.0 | |
| | | | | Fracture 119.0 399.0 | |
| 120 | | | | Gray to dark gray Limestone | |
| 125 | | | | | |
| 130 | | | | | |
| 135 | | | | | |
| 140 | | | | | |
| 145 | | | | | |
| 150 | | | | | |
| 155 | | | | | |

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# WELL NUMBER MW-B



**CLIENT** Sidewinder Enterprises LLC. **PROJECT NAME** Turkey Run

**PROJECT NUMBER** 03200377 **PROJECT LOCATION** Russell Way, Kearneysville, WV

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | WELL DIAGRAM |
|---|---|---|---|---|---|
| 155 | | | | Gray to dark gray Limestone *(continued)* | |
| 160 | | | | | |
| 165 | | | | | |
| 170 | | | | | |
| | | | | 173.0 | |
| | | | | Large Void with mud and water present | |
| 175 | | | | | |
| 180 | | | | | |
| 185 | | | | | |
| | | | | 187.0 | |
| | | | | Gray to dark gray Limestone | |
| 190 | | | | | |
| 195 | | | | | |



*(Continued Next Page)*

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Mechanicsburg, PA 17055

# WELL NUMBER MW-B



**CLIENT** Sidewinder Enterprises LLC. **PROJECT NAME** Turkey Run

**PROJECT NUMBER** 03200377 **PROJECT LOCATION** Russell Way, Kearneysville, WV

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | WELL DIAGRAM |
|---|---|---|---|---|---|
| 195 | | | | Gray to dark gray Limestone *(continued)* | |
| 200 | | | | | |
| 205 | | | | | |
| 210 | | | | | |
| 215 | | | | | |
| 220 | | | | | |
| 225 | | | | 225.0 293.0 | |
| | | | | Boring Terminated @ 225'<br>Bottom of borehole at 225.0 feet. | |

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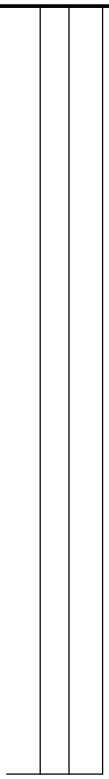
# WELL NUMBER MW-B



**CLIENT** Sidewinder Enterprises LLC. **PROJECT NAME** Turkey Run

**PROJECT NUMBER** 03200377 **PROJECT LOCATION** Russell Way, Kearneysville, WV

| DEPTH (ft) | SAMPLE TYPE NUMBER | U.S.C.S. | GRAPHIC LOG | MATERIAL DESCRIPTION | WELL DIAGRAM |
|---|---|---|---|---|---|



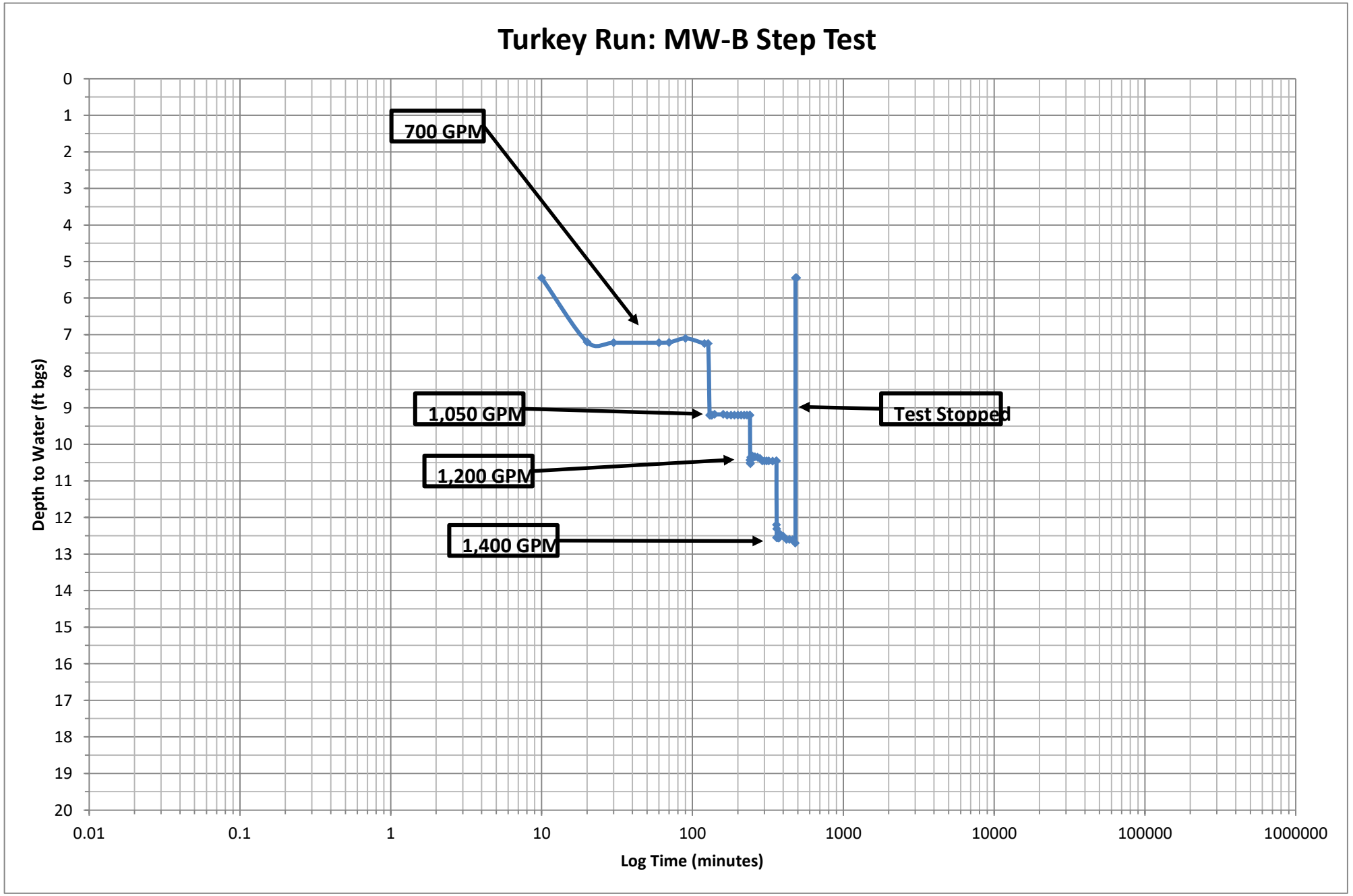
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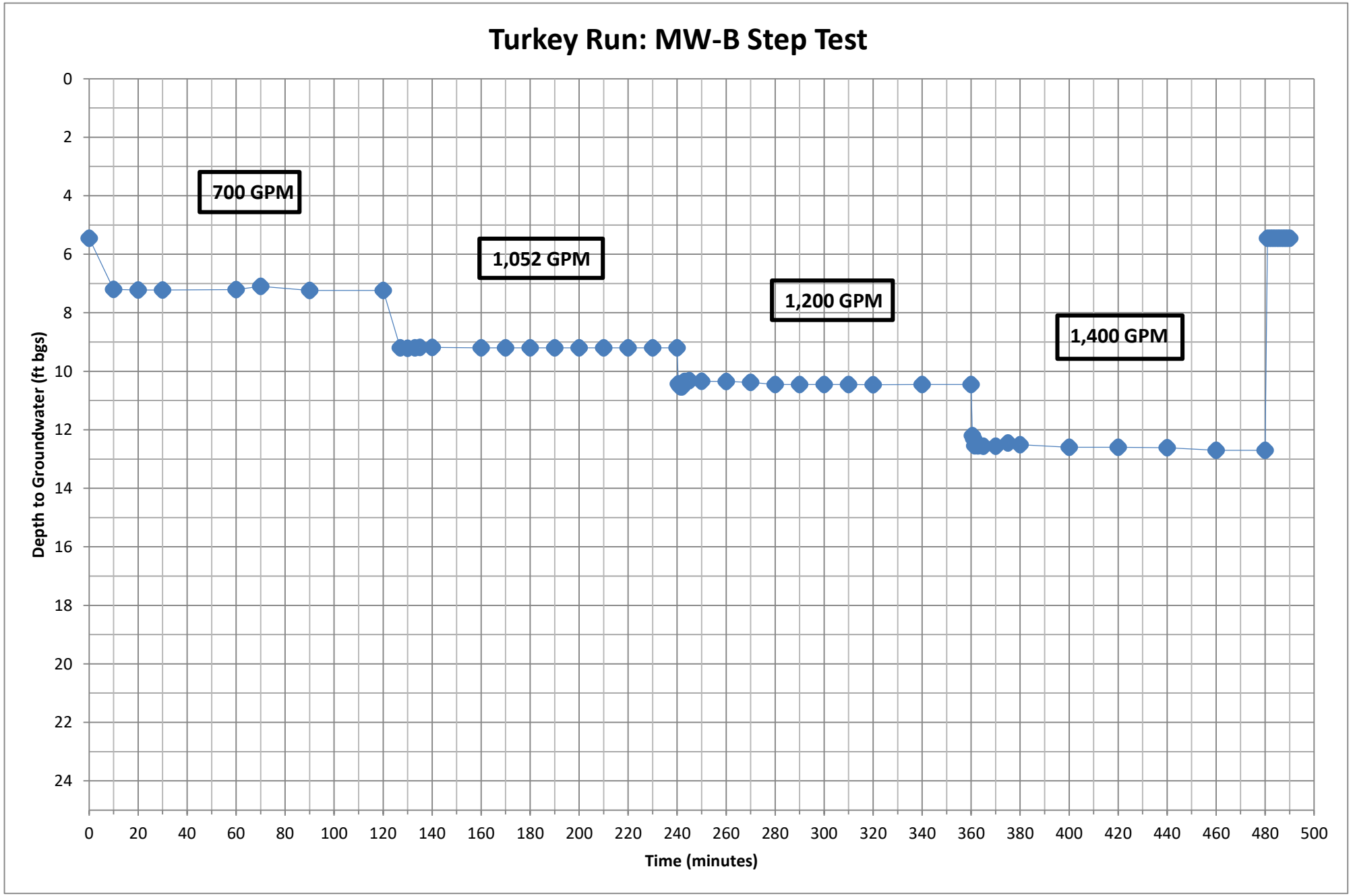
# Appendix C



# Appendix D

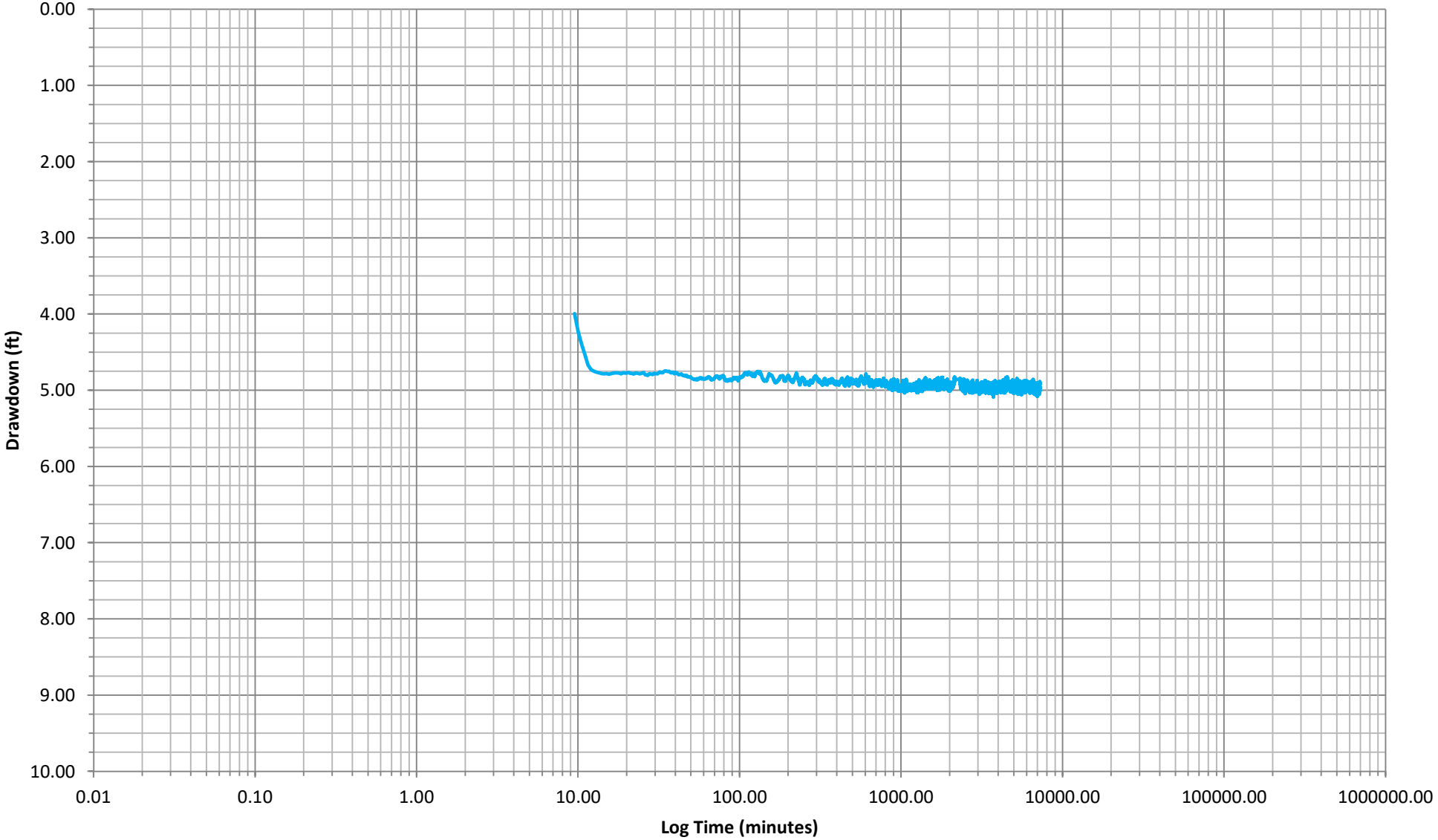
Hydrographs

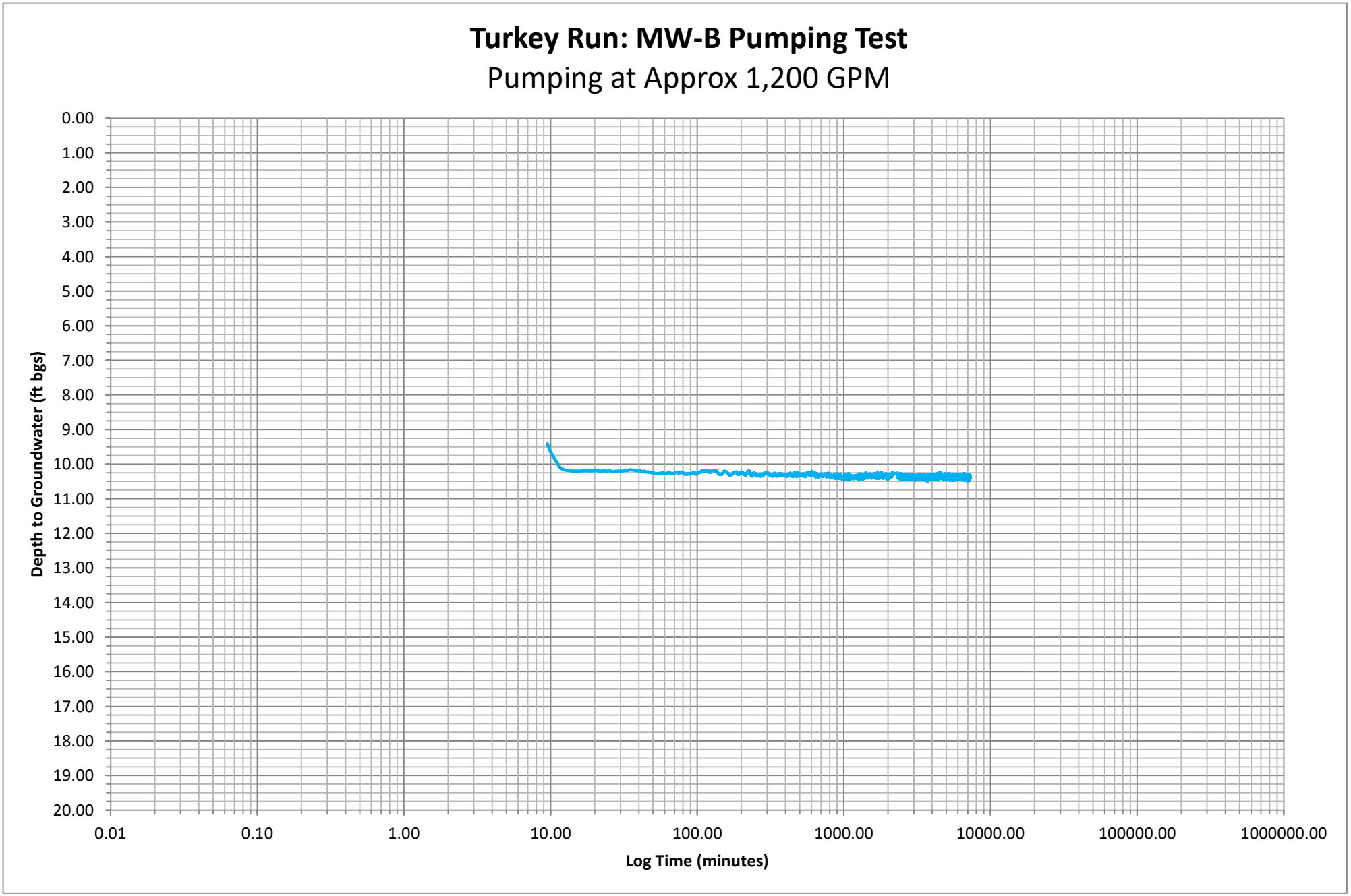

Turkey Run: MW-B Step Test
Depth to Water (ft bgs)
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
0.01
0.1
1
10
100
1000
10000
100000
1000000
Log Time (minutes)
700 GPM
1,050 GPM
1,200 GPM
1,400 GPM
Test Stopped


Turkey Run: MW-B Step Test
Depth to Groundwater (ft bgs)
0
2
4
6
8
10
12
14
16
18
20
22
24
700 GPM
1,052 GPM
1,200 GPM
1,400 GPM
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
440
460
480
500
Time (minutes)

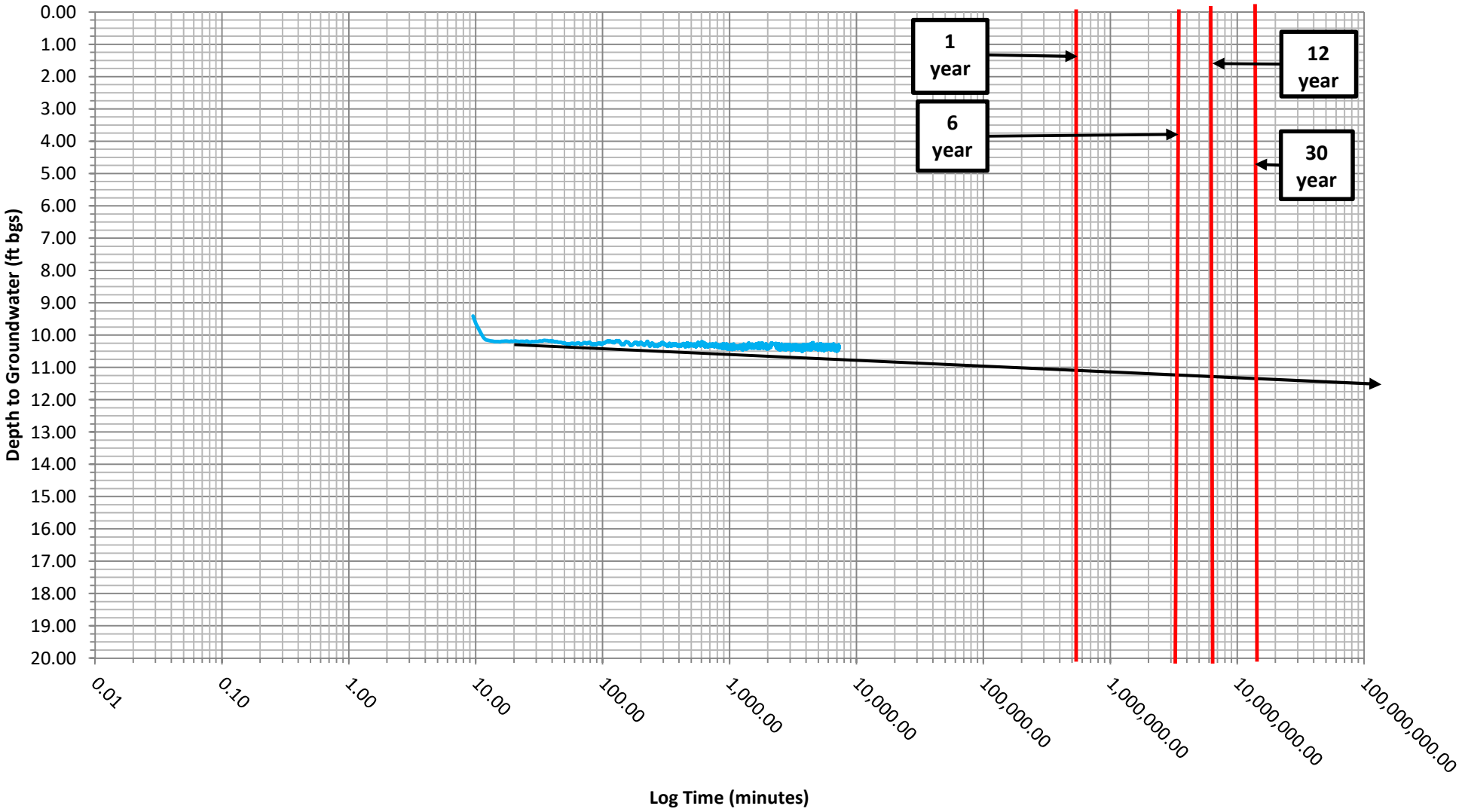
# Turkey Run: MW-B Pumping Test

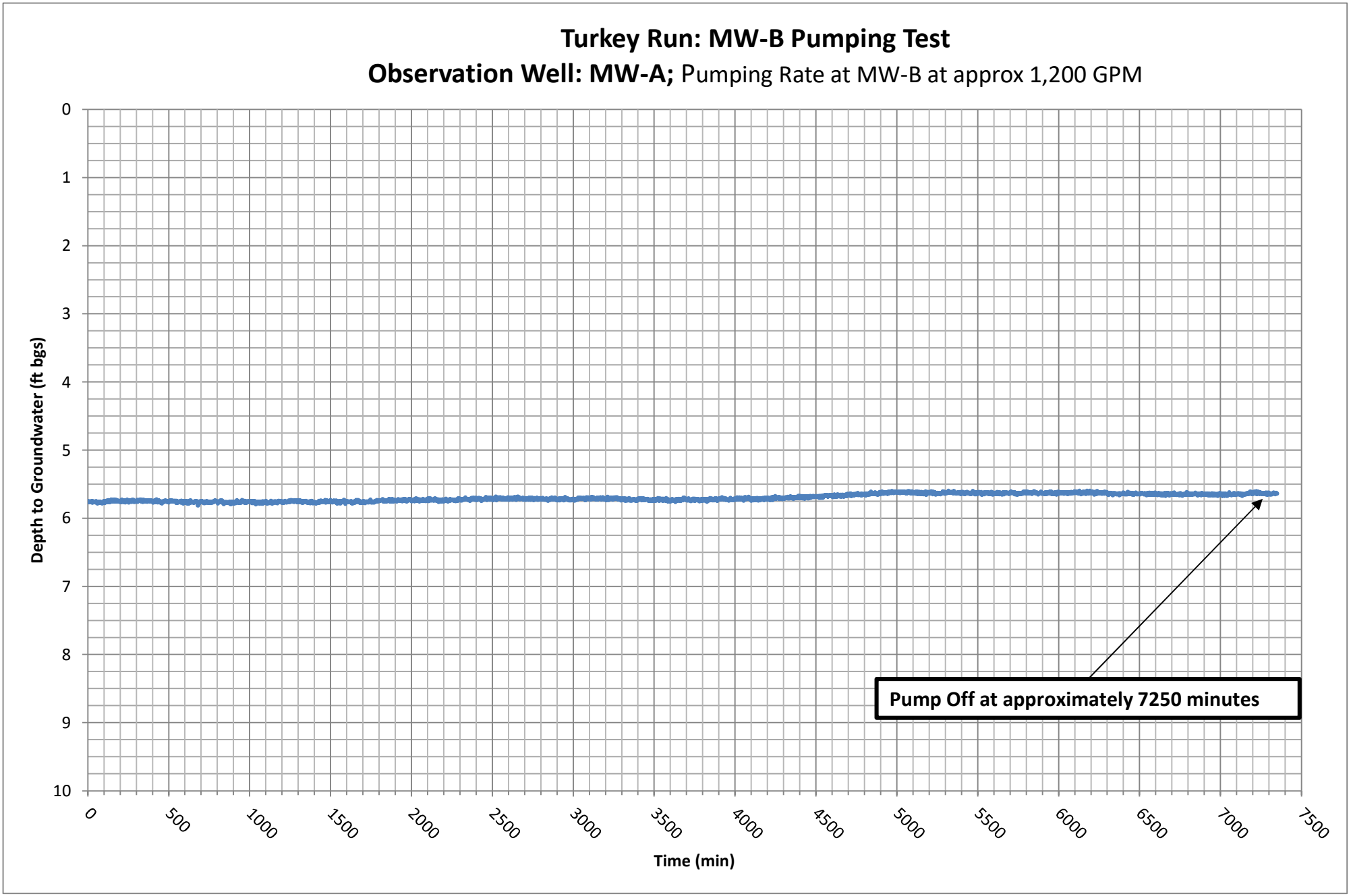
Pumping at Approx 1,200 GPM

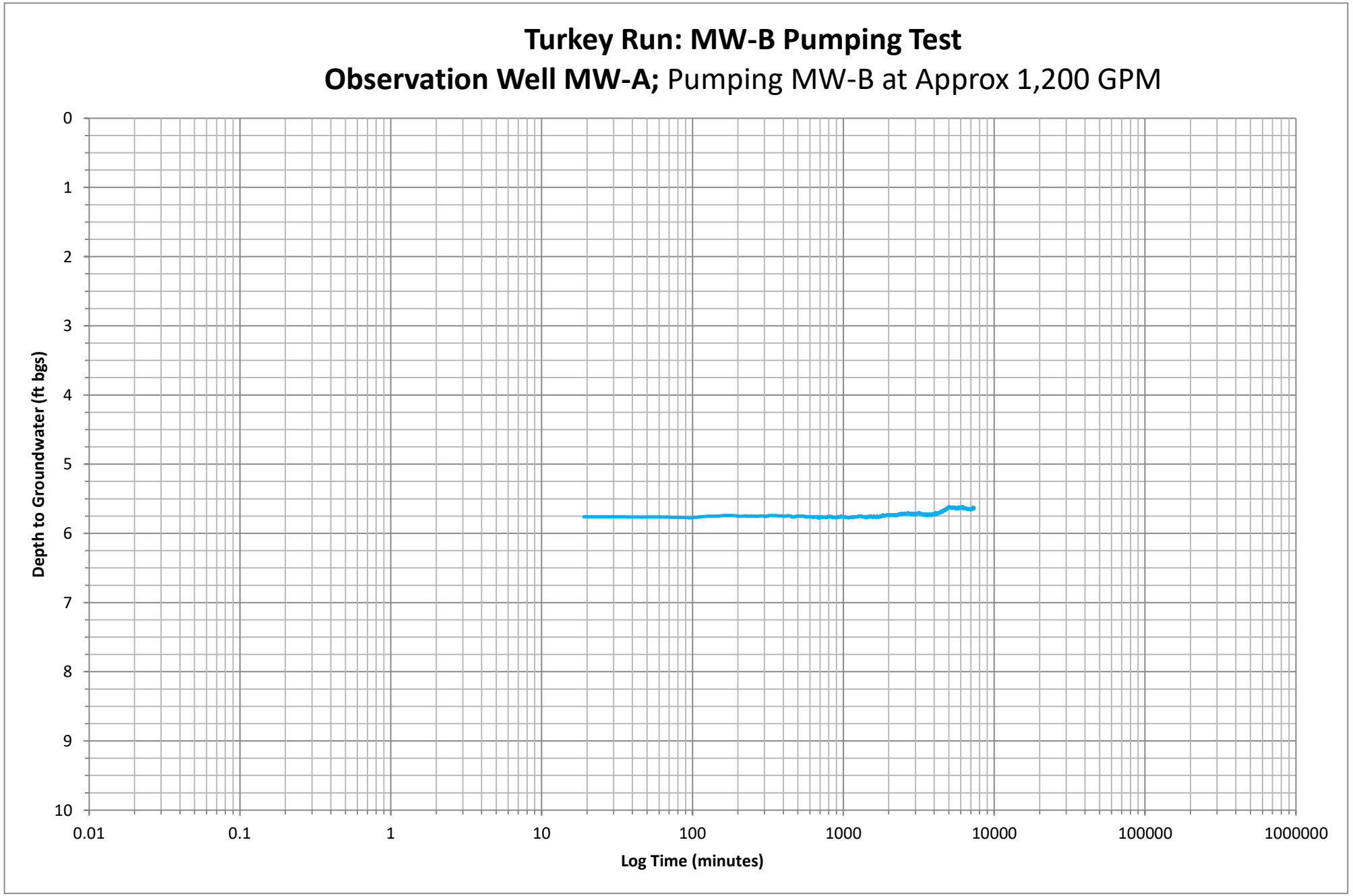


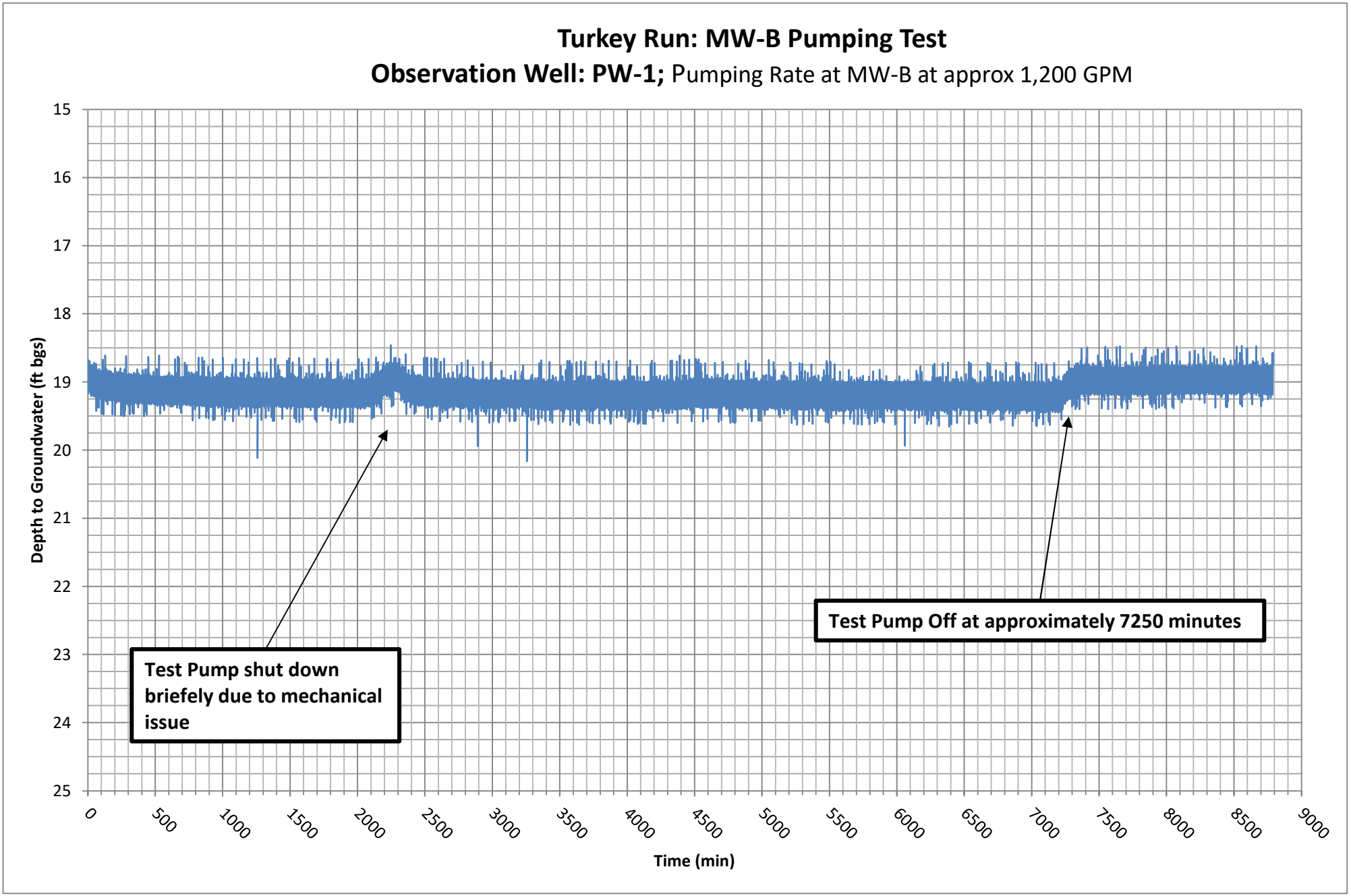

Turkey Run: MW-B Pumping Test
Pumping at Approx 1,200 GPM
Depth to Groundwater (ft bgs)
0.00
1.00
2.00
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
12.00
13.00
14.00
15.00
16.00
17.00
18.00
19.00
20.00
0.01
0.10
1.00
10.00
100.00
1000.00
10000.00
100000.00
1000000.00
Log Time (minutes)

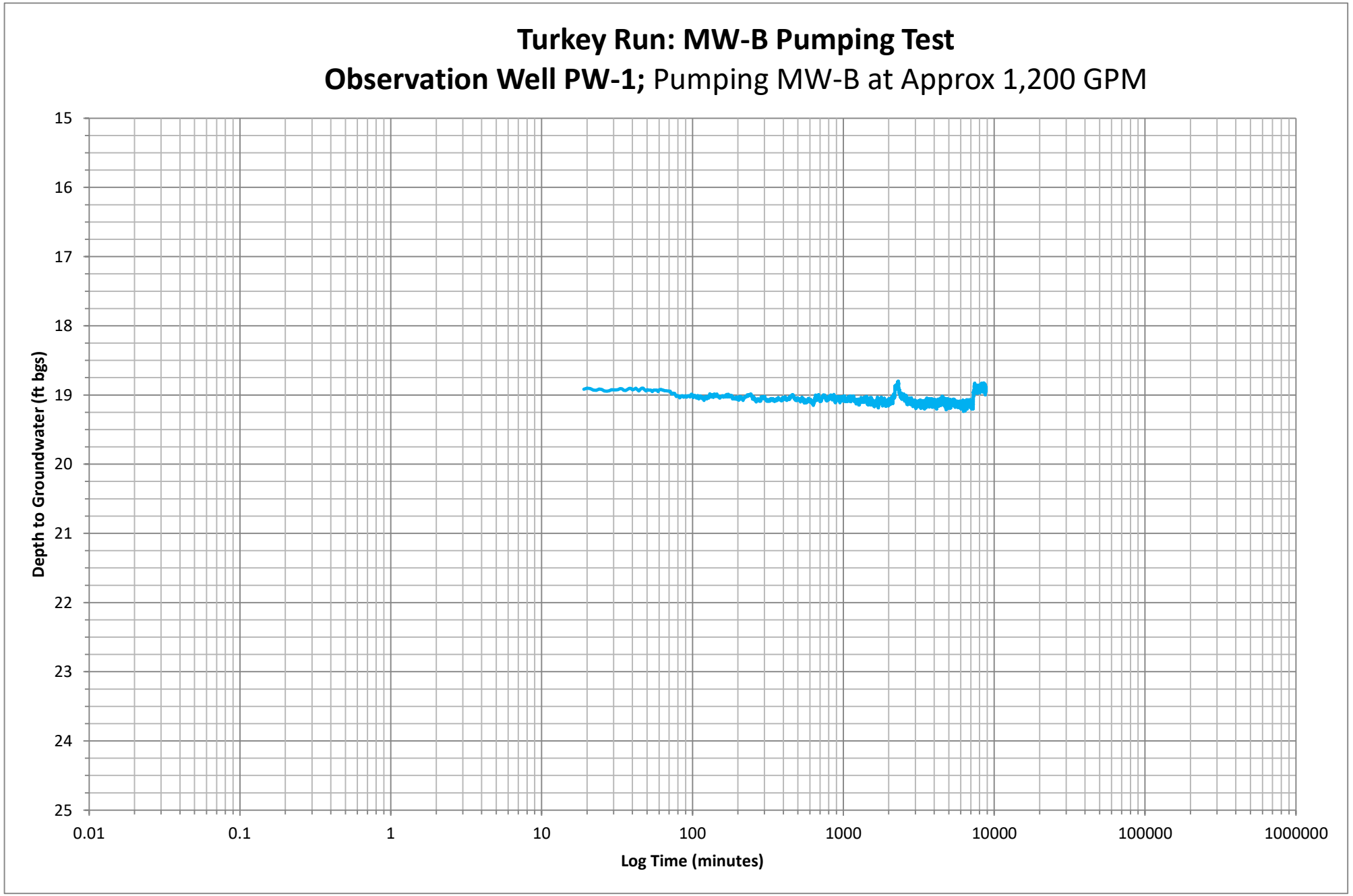
# Turkey Run: MW-B Pumping Test
## Drawdown Projection; 1, 6, 12, and 30 year
Pumping at Approx 1,200 GPM

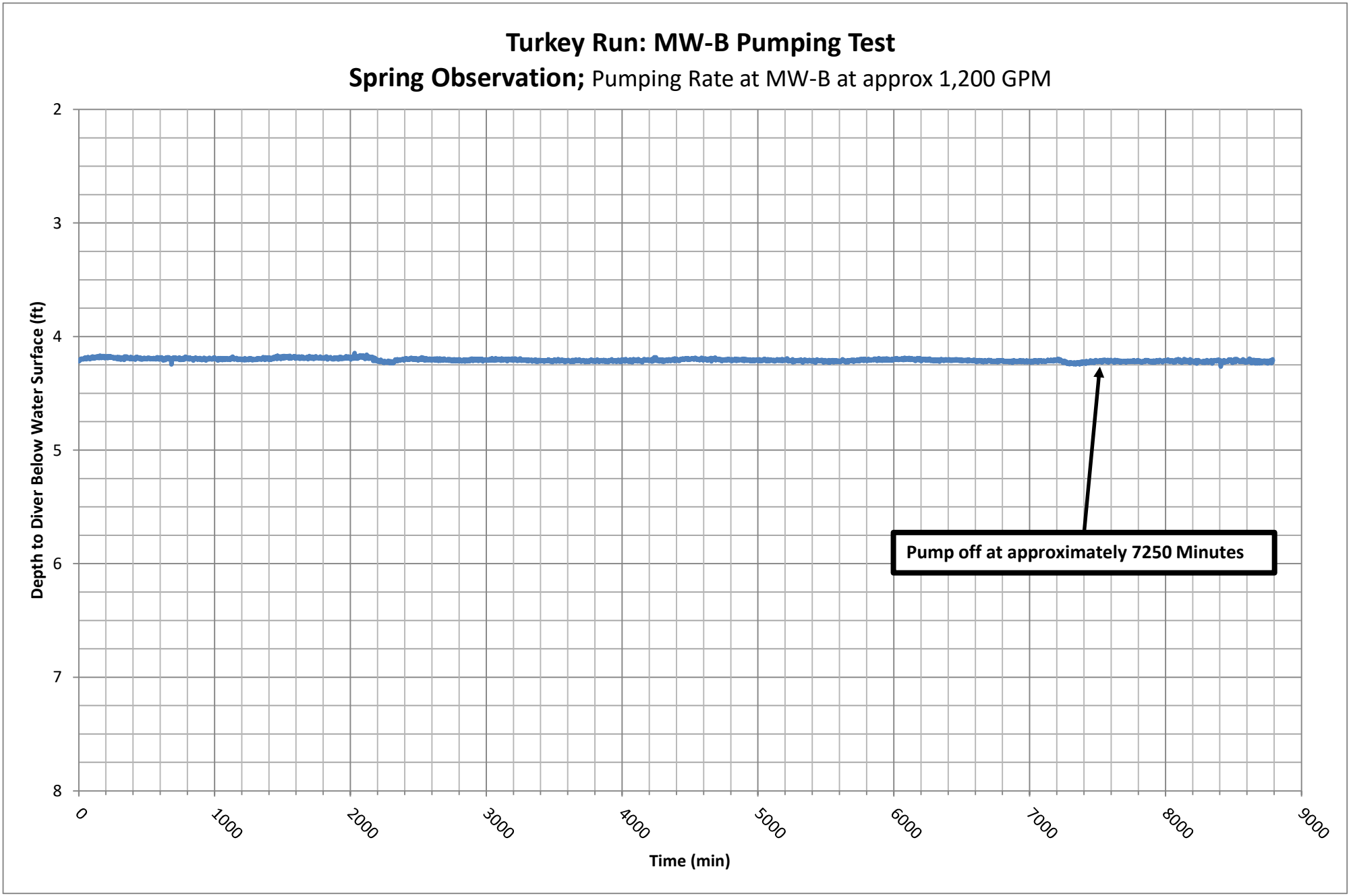


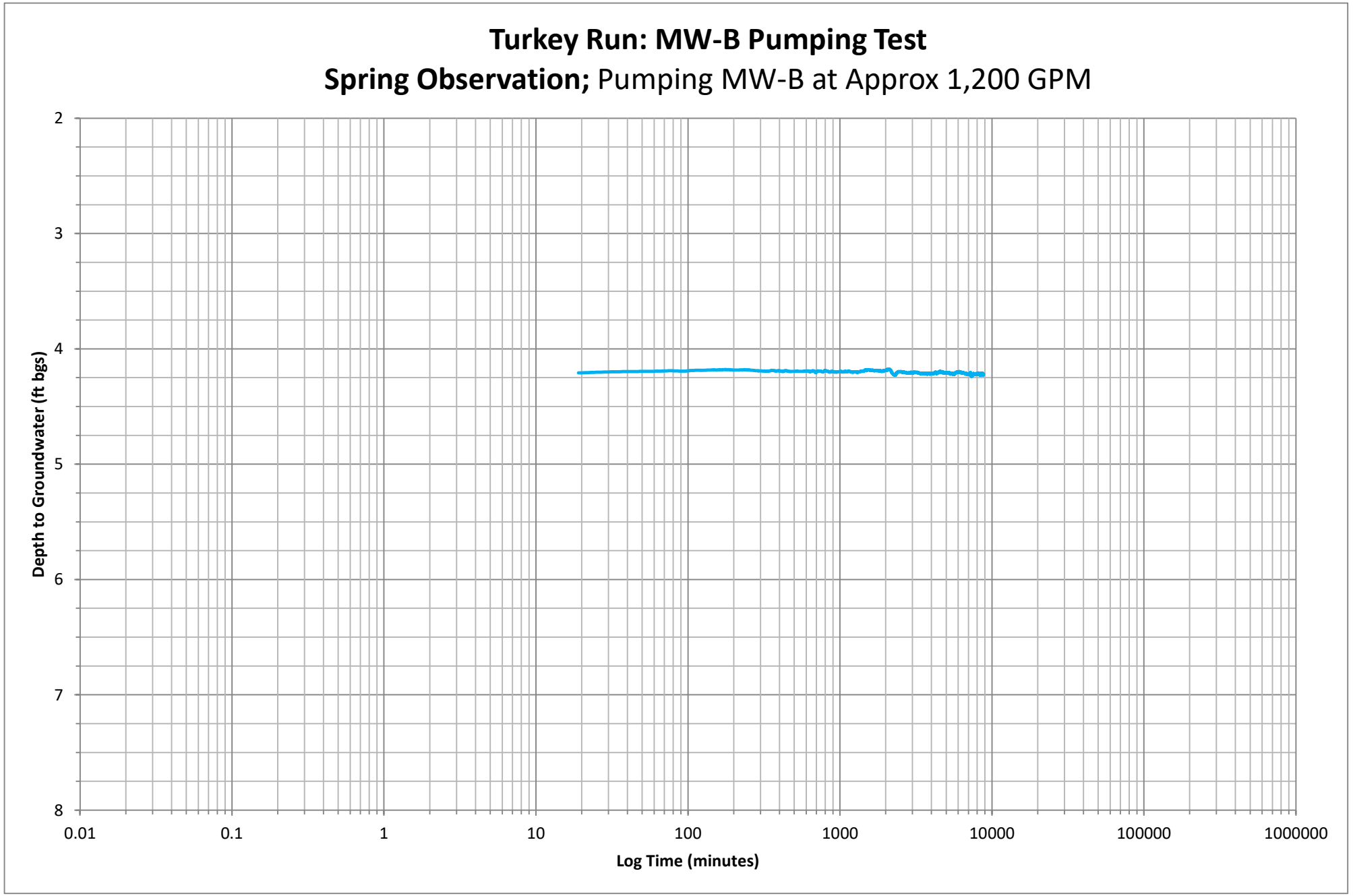

Turkey Run: MW-B Pumping Test
Observation Well: MW-A; Pumping Rate at MW-B at approx 1,200 GPM
Depth to Groundwater (ft bgs)
0
1
2
3
4
5
6
7
8
9
10
Time (min)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
Pump Off at approximately 7250 minutes

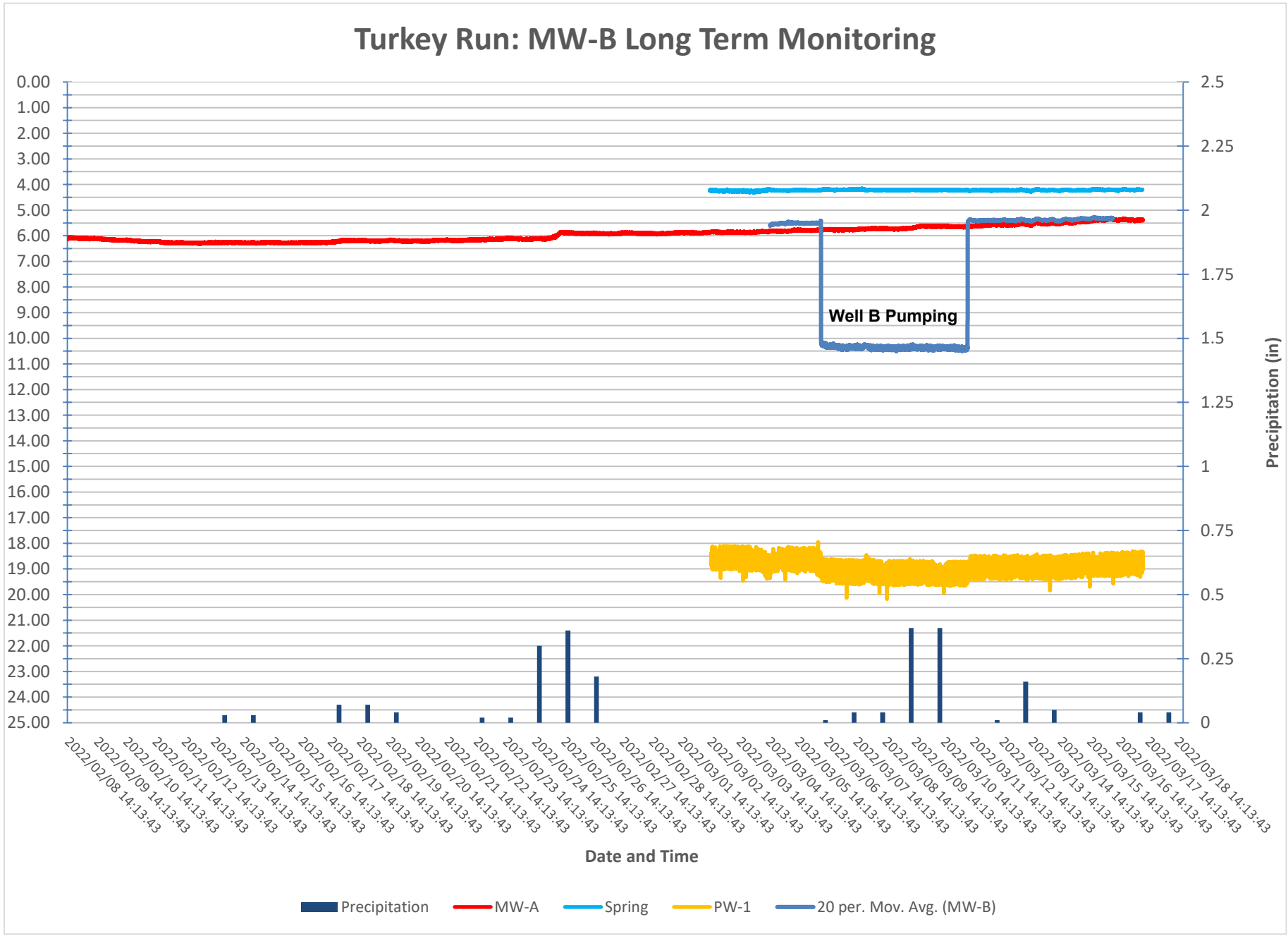

Turkey Run: MW-B Pumping Test
Observation Well MW-A; Pumping MW-B at Approx 1,200 GPM
Depth to Groundwater (ft bgs)
0
1
2
3
4
5
6
7
8
9
10
0.01
0.1
1
10
100
1000
10000
100000
1000000
Log Time (minutes)


Turkey Run: MW-B Pumping Test
Observation Well: PW-1; Pumping Rate at MW-B at approx 1,200 GPM
Depth to Groundwater (ft bgs)
15
16
17
18
19
20
21
22
23
24
25
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500
9000
Time (min)
Test Pump shut down briefely due to mechanical issue
Test Pump Off at approximately 7250 minutes


Turkey Run: MW-B Pumping Test
Observation Well PW-1; Pumping MW-B at Approx 1,200 GPM
Depth to Groundwater (ft bgs)
15
16
17
18
19
20
21
22
23
24
25
0.01
0.1
1
10
100
1000
10000
100000
1000000
Log Time (minutes)


Turkey Run: MW-B Pumping Test
Spring Observation; Pumping Rate at MW-B at approx 1,200 GPM
Depth to Diver Below Water Surface (ft)
2
3
4
5
6
7
8
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
Time (min)
Pump off at approximately 7250 Minutes


Turkey Run: MW-B Pumping Test
Spring Observation; Pumping MW-B at Approx 1,200 GPM
Depth to Groundwater (ft bgs)
2
3
4
5
6
7
8
0.01
0.1
1
10
100
1000
10000
100000
1000000
Log Time (minutes)


Turkey Run: MW-B Long Term Monitoring
Depth to Groundwater (ft bgs)
Precipitation (in)
Well B Pumping
Date and Time
Precipitation
MW-A
Spring
PW-1
20 per. Mov. Avg. (MW-B)

# Appendix E

Laboratory Analytical Results

eurofins | Environment Testing America



# ANALYTICAL REPORT

Eurofins Eaton South Bend
110 S Hill Street
South Bend, IN 46617
Tel: (574)233-4777

Laboratory Job ID: 810-17720-1
Client Project/Site: WV Drinking Water

For:
Triad Engineering, Inc.
1075 D Sherman Avenue
Hagerstown, Maryland 21740

Attn: Nicholas Wolfe

Appendix E

*Authorized for release by:*
*4/21/2022 4:11:19 PM*

Joe Mattheis, Project Manager I
(574)233-4777
Joe.Mattheis@et.eurofinsus.com

LINKS
Review your project results through TotalAccess
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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## Qualifiers

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1- | Surrogate recovery exceeds control limits, low biased. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### LCMS

| Qualifier | Qualifier Description |
|---|---|
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Dioxin

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Metals

| Qualifier | Qualifier Description |
|---|---|
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### General Chemistry

| Qualifier | Qualifier Description |
|---|---|
| H | Sample was prepped or analyzed beyond the specified holding time |
| HF | Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Rad

| Qualifier | Qualifier Description |
|---|---|
| * | LCS or LCSD is outside acceptance limits. |
| U | Result is less than the sample detection limit. |

### Biology

| Qualifier | Qualifier Description |
|---|---|
| H | Sample was prepped or analyzed beyond the specified holding time |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |

## Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

## Job ID: 810-17720-1

### Laboratory: Eurofins Eaton South Bend

**Narrative**

**Job Narrative**
**810-17720-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 3/11/2022 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.0º C, 0.0º C, 0.0º C and 0.0º C.

**GC/MS VOA**
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**GC/MS Semi VOA**
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**HPLC/IC**
Method 549.2: The matrix spike (MS) recoveries for preparation batch 810-14934 and analytical batch 810-15152 were outside control limits (70-130) for Diquat (47%). Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. Data impact unlikely.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**GC Semi VOA**
Method 515.3: Surrogate recovery for the following sample was outside the lower control limit of 70% at 25%: Spring (810-17720-2). This sample did not contain any target analytes; re-extraction and/or re-analysis was performed with the low surrogate recovery confirming the initial analysis.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**Dioxin**
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**RAD**
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**Metals**
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**LCMS**
Method 331.0: Due to the high concentration of Perchlorate, the low level matrix spike / matrix spike duplicate (LMS/LMSD) for analytical batch 810-14964 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria. Perchlorate failed low in the LMS and LMSD at 37% and 41% (50-150% limits), due to the inappropriate spike concentration compared to the native concentration present in the parent sample (17720-2). Client results in the parent sample are not affected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**General Chemistry**
Method 150.1: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Well B (810-17720-1) and Spring (810-17720-2).

Method SM 2150B: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: Well B (810-17720-1) and Spring (810-17720-2).

## Job ID: 810-17720-1 (Continued)

### Laboratory: Eurofins Eaton South Bend (Continued)

Method 4500 Cl G: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Well B (810-17720-1) and Spring (810-17720-2).

Method 4500 ClO2 D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Well B (810-17720-1) and Spring (810-17720-2).

Method 353.2: The following samples were analyzed outside of analytical holding time due to the method for these samples wasn't requested until 3/14/22: Well B (810-17720-1) and Spring (810-17720-2).

Method 353.2: The following samples were analyzed outside of analytical holding time due to method wasn't requested for sample until 3/14/22: Well B (810-17720-1) and Spring (810-17720-2).

Method 4500 Cl F Amine: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Well B (810-17720-1) and Spring (810-17720-2).

Method SM 5540C: The following samples were received outside of holding time: Well B (810-17720-5) and Spring (810-17720-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**Biology**
Method 9223B: The following sample contained Total Coliform and E. coli bacteria at a concentration above the EPA Maximum Contaminant Level (MCL): Well B (810-17720-1).

Method 9223B: The following sample contained Total Coliform and E. coli bacteria at a concentration above the EPA Maximum Contaminant Level (MCL): Spring (810-17720-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**Subcontract non-Sister**
See attached subcontract report.

**Organic Prep**
The reference method requires samples to be preserved to a pH of <3.5-4.5>. The following sample was received with insufficient preservation at a pH of <~5.0>: Spring (810-17720-2). The sample(s) was preserved to the appropriate pH in the laboratory. Please let the lab know if it's ok to proceed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**Dioxin Prep**
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Client Sample ID: Well B — Lab Sample ID: 810-17720-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 15 | | 2.0 | | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 19 | | 5.0 | | mg/L | 1 | | 300.0 | Total/NA |
| Bromide | 23 | | 10 | | ug/L | 1 | | 300.0 | Total/NA |
| Perchlorate | 0.70 | | 0.050 | | ug/L | 1 | | 331.0 | Total/NA |
| Sodium | 6.7 | | 0.10 | | mg/L | 1 | | 200.7 | Total/NA |
| Magnesium | 16 | | 0.10 | | mg/L | 1 | | 200.7 | Total/NA |
| Calcium | 110 | | 0.10 | | mg/L | 1 | | 200.7 | Total/NA |
| Barium | 35 | | 2.0 | | ug/L | 1 | | 200.8 | Total/NA |
| Chromium | 3.9 | | 0.90 | | ug/L | 1 | | 200.8 | Total/NA |
| Nickel | 1.4 | | 1.0 | | ug/L | 1 | | 200.8 | Total/NA |
| Zinc | 15 | | 5.0 | | ug/L | 1 | | 200.8 | Total/NA |
| Hardness as calcium carbonate | 340 | | 0.66 | | mg/L | 1 | | SM 2340B | Total/NA |
| Calcium hardness as calcium carbonate | 270 | | 0.25 | | mg/L | 1 | | SM 2340B | Total/NA |
| Magnesium hardness as calcium carbonate | 66 | | 0.41 | | mg/L | 1 | | SM 2340B | Total/NA |
| pH | 7.3 | HF | 0.1 | | SU | 1 | | 150.1 | Total/NA |
| Turbidity | 0.35 | | 0.10 | | NTU | 1 | | 180.1 | Total/NA |
| Nitrate Nitrite as N | 5.5 | H | 0.10 | | mg/L | 1 | | 353.2 | Total/NA |
| Nitrate as N | 5.5 | | 0.10 | | mg/L | 1 | | Nitrate by calc | Total/NA |
| Alkalinity, Bicarbonate | 280 | | 1.0 | | mg/L | 1 | | SM 2320B | Total/NA |
| Alkalinity, Total | 280 | | 1.0 | | mg/L | 1 | | SM 2320B | Total/NA |
| Specific Conductance | 690 | | 2.0 | | uS/cm | 1 | | SM 2510B | Total/NA |
| Total Dissolved Solids | 380 | | 10 | | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.090 | | 0.050 | | mg/L | 1 | | SM 4500 F C | Total/NA |
| Escherichia coli | PRESENT | H | | | NONE | 1 | | 9223B | Total/NA |
| Coliform, Total | PRESENT | H | | | NONE | 1 | | 9223B | Total/NA |
| Heterotrophic Plate Count | 270 | | 2.0 | | MPN/mL | 1 | | SimPlate | Total/NA |

## Client Sample ID: Spring — Lab Sample ID: 810-17720-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 15 | | 2.0 | | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 19 | | 5.0 | | mg/L | 1 | | 300.0 | Total/NA |
| Bromide | 25 | | 10 | | ug/L | 1 | | 300.0 | Total/NA |
| Perchlorate | 0.63 | | 0.050 | | ug/L | 1 | | 331.0 | Total/NA |
| Sodium | 6.5 | | 0.10 | | mg/L | 1 | | 200.7 | Total/NA |
| Magnesium | 16 | | 0.10 | | mg/L | 1 | | 200.7 | Total/NA |
| Iron | 0.026 | | 0.020 | | mg/L | 1 | | 200.7 | Total/NA |
| Calcium | 110 | | 0.10 | | mg/L | 1 | | 200.7 | Total/NA |
| Barium | 35 | | 2.0 | | ug/L | 1 | | 200.8 | Total/NA |
| Chromium | 3.5 | | 0.90 | | ug/L | 1 | | 200.8 | Total/NA |
| Copper | 1.6 | | 1.0 | | ug/L | 1 | | 200.8 | Total/NA |
| Manganese | 3.8 | | 2.0 | | ug/L | 1 | | 200.8 | Total/NA |
| Nickel | 1.7 | | 1.0 | | ug/L | 1 | | 200.8 | Total/NA |
| Hardness as calcium carbonate | 340 | | 0.66 | | mg/L | 1 | | SM 2340B | Total/NA |
| Calcium hardness as calcium carbonate | 280 | | 0.25 | | mg/L | 1 | | SM 2340B | Total/NA |
| Magnesium hardness as calcium carbonate | 66 | | 0.41 | | mg/L | 1 | | SM 2340B | Total/NA |
| pH | 7.5 | HF | 0.1 | | SU | 1 | | 150.1 | Total/NA |
| Turbidity | 1.7 | | 0.10 | | NTU | 1 | | 180.1 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Client Sample ID: Spring (Continued) — Lab Sample ID: 810-17720-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate Nitrite as N | 5.3 | H | 0.10 | | mg/L | 1 | | 353.2 | Total/NA |
| Nitrate as N | 5.3 | | 0.10 | | mg/L | 1 | | Nitrate by calc | Total/NA |
| Odor | 1.0 | H | 1.0 | | T.O.N. | 1 | | SM 2150B | Total/NA |
| Alkalinity, Bicarbonate | 280 | | 1.0 | | mg/L | 1 | | SM 2320B | Total/NA |
| Alkalinity, Total | 280 | | 1.0 | | mg/L | 1 | | SM 2320B | Total/NA |
| Specific Conductance | 590 | | 2.0 | | uS/cm | 1 | | SM 2510B | Total/NA |
| Total Dissolved Solids | 380 | | 10 | | mg/L | 1 | | SM 2540C | Total/NA |
| Fluoride | 0.090 | | 0.050 | | mg/L | 1 | | SM 4500 F C | Total/NA |
| Escherichia coli | ABSENT | H | | | NONE | 1 | | 9223B | Total/NA |
| Coliform, Total | PRESENT | H | | | NONE | 1 | | 9223B | Total/NA |
| Heterotrophic Plate Count | 150 | | 2.0 | | MPN/mL | 1 | | SimPlate | Total/NA |

## Client Sample ID: Well B — Lab Sample ID: 810-17720-5

No Detections.

## Client Sample ID: Spring — Lab Sample ID: 810-17720-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Client Sample ID: Well B
**Date Collected: 03/10/22 12:10**
**Date Received: 03/11/22 09:15**

## Lab Sample ID: 810-17720-1
**Matrix: Drinking Water**

### Method: 524.2 - Total Trihalomethanes

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Trihalomethanes, Total | <0.5000 | | 0.5000 | | ug/L | | | 03/18/22 10:47 | 1 |

### Method: 524.2 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Bromodichloromethane | <0.50 | | 0.50 | | ug/L | | | 03/18/22 04:49 | 1 |
| 1,1,1-Trichloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Bromoform | <0.50 | | 0.50 | | ug/L | | | 03/18/22 04:49 | 1 |
| 1,1,2,2-Tetrachloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Chloroform | <0.50 | | 0.50 | | ug/L | | | 03/18/22 04:49 | 1 |
| 1,1,2-Trichloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Dibromochloromethane | <0.50 | | 0.50 | | ug/L | | | 03/18/22 04:49 | 1 |
| 1,1-Dichloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,1-Dichloroethene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,1-Dichloropropene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,2,3-Trichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,2,3-Trichloropropane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,2,4-Trichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,2,4-Trimethylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,2-Dibromo-3-Chloropropane | <0.20 | | 0.20 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,2-Dibromoethane (EDB) | <0.20 | | 0.20 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,2-Dichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,2-Dichloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,2-Dichloropropane | <0.25 | | 0.25 | | ug/L | | | 03/16/22 20:15 | 1 |
| o-Xylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| m-Xylene & p-Xylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,3,5-Trimethylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,3-Dichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,3-Dichloropropane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 1,4-Dichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 2,2-Dichloropropane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 2-Chlorotoluene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 4-Chlorotoluene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Benzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| 4-Isopropyltoluene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Bromobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Bromochloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Bromodichloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Bromoform | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Bromomethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Carbon tetrachloride | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Chloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Chlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Chloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Chloroform | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Dibromomethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Dichlorodifluoromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Dichloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Dibromochloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |

**Client Sample ID: Well B**
**Date Collected: 03/10/22 12:10**
**Date Received: 03/11/22 09:15**

**Lab Sample ID: 810-17720-1**
**Matrix: Drinking Water**

## Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Hexachlorobutadiene | <0.25 | | 0.25 | | ug/L | | | 03/16/22 20:15 | 1 |
| Isopropylbenzene | <0.25 | | 0.25 | | ug/L | | | 03/16/22 20:15 | 1 |
| Naphthalene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Methyl-tert-butyl Ether (MTBE) | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Styrene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Tetrachloroethene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Toluene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Trichloroethylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Trichlorofluoromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Vinyl chloride | <0.20 | | 0.20 | | ug/L | | | 03/16/22 20:15 | 1 |
| tert-Butylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| cis-1,2-Dichloroethylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| cis-1,3-Dichloropropylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| n-Butylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| N-Propylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| sec-Butylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| trans-1,2-Dichloroethylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| trans-1,3-Dichloropropylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |
| Xylenes, Total | <0.50 | | 0.50 | | ug/L | | | 03/16/22 20:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *106* | | *70 - 130* | | *03/18/22 04:49* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *70 - 130* | | *03/18/22 04:49* | *1* |
| *4-Bromofluorobenzene (Surr)* | *81* | | *70 - 130* | | *03/18/22 04:49* | *1* |
| *1,2-Dichlorobenzene-d4 (Surr)* | *83* | | *70 - 130* | | *03/18/22 04:49* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *102* | | *70 - 130* | | *03/16/22 20:15* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *70 - 130* | | *03/16/22 20:15* | *1* |
| *4-Bromofluorobenzene (Surr)* | *83* | | *70 - 130* | | *03/16/22 20:15* | *1* |
| *1,2-Dichlorobenzene-d4 (Surr)* | *81* | | *70 - 130* | | *03/16/22 20:15* | *1* |

## Method: 522 - 1,4 Dioxane (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | <0.070 | | 0.070 | | ug/L | | 03/21/22 07:41 | 03/22/22 13:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Dioxane-d8 (Surr)* | *85* | | *70 - 130* | *03/21/22 07:41* | *03/22/22 13:52* | *1* |

## Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | <0.021 | | 0.021 | | ug/L | | 03/17/22 07:44 | 03/18/22 13:55 | 1 |
| Di(2-ethylhexyl)adipate | <0.63 | | 0.63 | | ug/L | | 03/17/22 07:44 | 03/18/22 13:55 | 1 |
| Di (2-ethylhexyl)phthalate | <0.63 | | 0.63 | | ug/L | | 03/17/22 07:44 | 03/18/22 13:55 | 1 |
| Hexachlorobenzene | <0.10 | | 0.10 | | ug/L | | 03/17/22 07:44 | 03/18/22 13:55 | 1 |
| Simazine | <0.073 | | 0.073 | | ug/L | | 03/17/22 07:44 | 03/18/22 13:55 | 1 |
| Alachlor | <0.10 | | 0.10 | | ug/L | | 03/17/22 07:44 | 03/18/22 13:55 | 1 |
| Atrazine | <0.10 | | 0.10 | | ug/L | | 03/17/22 07:44 | 03/18/22 13:55 | 1 |
| Benzo[a]pyrene | <0.021 | | 0.021 | | ug/L | | 03/17/22 07:44 | 03/18/22 13:55 | 1 |
| Endrin | <0.010 | | 0.010 | | ug/L | | 03/17/22 07:44 | 03/18/22 13:55 | 1 |
| Methoxychlor | <0.10 | | 0.10 | | ug/L | | 03/17/22 07:44 | 03/18/22 13:55 | 1 |
| Heptachlor | <0.042 | | 0.042 | | ug/L | | 03/17/22 07:44 | 03/18/22 13:55 | 1 |

**Client Sample ID: Well B**
**Date Collected: 03/10/22 12:10**
**Date Received: 03/11/22 09:15**

**Lab Sample ID: 810-17720-1**
**Matrix: Drinking Water**

### Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Hexachlorocyclopentadiene | <0.10 | | 0.10 | | ug/L | | 03/17/22 07:44 | 03/18/22 13:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Nitro-m-xylene* | *100* | | *70 - 130* | *03/17/22 07:44* | *03/18/22 13:55* | *1* |
| *Perylene-d12* | *89* | | *70 - 130* | *03/17/22 07:44* | *03/18/22 13:55* | *1* |
| *Triphenylphosphate* | *100* | | *70 - 130* | *03/17/22 07:44* | *03/18/22 13:55* | *1* |

### Method: 548.1 - Endothall (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Endothall | <5.0 | | 5.0 | | ug/L | | 03/15/22 06:53 | 03/17/22 04:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4-Dichlorophenoxyacetic acid (Surr)* | *110* | | *70 - 130* | *03/15/22 06:53* | *03/17/22 04:38* | *1* |

### Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane (EDB) | <0.0099 | | 0.0099 | | ug/L | | 03/15/22 10:15 | 03/16/22 05:04 | 1 |
| 1,2-Dibromo-3-Chloropropane | <0.0099 | | 0.0099 | | ug/L | | 03/15/22 10:15 | 03/16/22 05:04 | 1 |

### Method: 505 - Organochlorine Pesticides/PCBs (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 | <0.080 | | 0.080 | | ug/L | | 03/16/22 09:55 | 03/16/22 22:47 | 1 |
| PCB-1221 | <0.19 | | 0.19 | | ug/L | | 03/16/22 09:55 | 03/16/22 22:47 | 1 |
| PCB-1232 | <0.23 | | 0.23 | | ug/L | | 03/16/22 09:55 | 03/16/22 22:47 | 1 |
| PCB-1242 | <0.26 | | 0.26 | | ug/L | | 03/16/22 09:55 | 03/16/22 22:47 | 1 |
| PCB-1248 | <0.10 | | 0.10 | | ug/L | | 03/16/22 09:55 | 03/16/22 22:47 | 1 |
| PCB-1254 | <0.10 | | 0.10 | | ug/L | | 03/16/22 09:55 | 03/16/22 22:47 | 1 |
| PCB-1260 | <0.20 | | 0.20 | | ug/L | | 03/16/22 09:55 | 03/16/22 22:47 | 1 |
| Chlordane (technical) | <0.10 | | 0.10 | | ug/L | | 03/16/22 09:55 | 03/16/22 22:47 | 1 |
| Toxaphene | <1.0 | | 1.0 | | ug/L | | 03/16/22 09:55 | 03/16/22 22:47 | 1 |
| Total PCBs as DCB (Qualitative) | <0.50 | | 0.50 | | ug/L | | 03/16/22 09:55 | 03/16/22 22:47 | 1 |

### Method: 515.3 - Herbicides (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-TP (Silvex) | <0.10 | | 0.10 | | ug/L | | 03/22/22 07:29 | 03/22/22 22:48 | 1 |
| Dalapon | <1.0 | | 1.0 | | ug/L | | 03/22/22 07:29 | 03/22/22 22:48 | 1 |
| Dinoseb | <0.10 | | 0.10 | | ug/L | | 03/22/22 07:29 | 03/22/22 22:48 | 1 |
| Pentachlorophenol | <0.040 | | 0.040 | | ug/L | | 03/22/22 07:29 | 03/22/22 22:48 | 1 |
| Picloram | <0.10 | | 0.10 | | ug/L | | 03/22/22 07:29 | 03/22/22 22:48 | 1 |
| 2,4-D | <0.10 | | 0.10 | | ug/L | | 03/22/22 07:29 | 03/22/22 22:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4-Dichlorophenylacetic acid* | *93* | | *70 - 130* | *03/22/22 07:29* | *03/22/22 22:48* | *1* |

### Method: 551.1 - Chlorinated Disinfection Byproducts and Solvents (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | <1.0 | | 1.0 | | ug/L | | 03/23/22 10:03 | 03/24/22 02:28 | 1 |
| Dichloroacetonitrile | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 02:28 | 1 |
| Dibromoacetonitrile | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 02:28 | 1 |
| 1,1-Dichloro-2-propanone | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 02:28 | 1 |
| Trichloroacetonitrile | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 02:28 | 1 |

## Client Sample ID: Well B
**Date Collected: 03/10/22 12:10**
**Date Received: 03/11/22 09:15**

## Lab Sample ID: 810-17720-1
**Matrix: Drinking Water**

### Method: 551.1 - Chlorinated Disinfection Byproducts and Solvents (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloroform | <1.0 | | 1.0 | | ug/L | | 03/23/22 10:03 | 03/24/22 02:28 | 1 |
| Bromoform | <1.0 | | 1.0 | | ug/L | | 03/23/22 10:03 | 03/24/22 02:28 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | | ug/L | | 03/23/22 10:03 | 03/24/22 02:28 | 1 |
| Chloropicrin | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 02:28 | 1 |
| Bromochloroacetonitrile | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 02:28 | 1 |
| 1,1,1-Trichloro-2-propanone | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 02:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dibromopropane* | *100* | | | *03/23/22 10:03* | *03/24/22 02:28* | *1* |

### Method: 552.2 THAA - Total Haloacetic Acids (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Haloacetic Acids 5 | <2.000 | | 2.000 | | ug/L | | | 03/21/22 10:53 | 1 |

### Method: 552.2 - Haloacetic Acids (HAAs) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibromoacetic acid | <1.0 | | 1.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 21:43 | 1 |
| Dichloroacetic acid | <1.0 | | 1.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 21:43 | 1 |
| Monobromoacetic acid | <1.0 | | 1.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 21:43 | 1 |
| Monochloroacetic acid | <2.0 | | 2.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 21:43 | 1 |
| Trichloroacetic acid | <1.0 | | 1.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 21:43 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Bromopropionic acid (Surr)* | *95* | | *70 - 130* | *03/17/22 08:11* | *03/18/22 21:43* | *1* |

### Method: 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **15** | | 2.0 | | mg/L | | | 03/15/22 19:02 | 1 |
| Chlorite | <10 | | 10 | | ug/L | | | 03/15/22 22:10 | 1 |
| Chlorate | <10 | | 10 | | ug/L | | | 03/15/22 22:10 | 1 |
| **Sulfate** | **19** | | 5.0 | | mg/L | | | 03/15/22 19:02 | 1 |
| **Bromide** | **23** | | 10 | | ug/L | | | 03/15/22 22:10 | 1 |

### Method: 317 - Bromate, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | <1.0 | | 1.0 | | ug/L | | | 03/17/22 00:02 | 1 |

### Method: 531.2 - Carbamate Pesticides (HPLC) - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aldicarb | <0.50 | | 0.50 | | ug/L | | | 03/19/22 05:50 | 1 |
| Aldicarb sulfone | <0.70 | | 0.70 | | ug/L | | | 03/19/22 05:50 | 1 |
| Aldicarb sulfoxide | <0.50 | | 0.50 | | ug/L | | | 03/19/22 05:50 | 1 |
| Carbofuran | <0.90 | | 0.90 | | ug/L | | | 03/19/22 05:50 | 1 |
| Oxamyl | <1.0 | | 1.0 | | ug/L | | | 03/19/22 05:50 | 1 |

### Method: 547 - Glyphosate (DAI HPLC) - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Glyphosate | <6.0 | | 6.0 | | ug/L | | | 03/16/22 00:26 | 1 |

### Method: 549.2 - Diquat and Paraquat (HPLC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diquat | <0.40 | F1 | 0.40 | | ug/L | | 03/16/22 06:59 | 03/18/22 17:28 | 1 |

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Client Sample ID: Well B

**Date Collected: 03/10/22 12:10**
**Date Received: 03/11/22 09:15**

## Lab Sample ID: 810-17720-1

**Matrix: Drinking Water**

### Method: 331.0 - Perchlorate (LC/MS/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **0.70** | | 0.050 | | ug/L | | | 03/17/22 18:42 | 1 |

### Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid (PFBA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluoropentanoic acid (PFPeA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluorohexanoic acid (PFHxA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluoroheptanoic acid (PFHpA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluorooctanoic acid (PFOA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluorononanoic acid (PFNA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluorodecanoic acid (PFDA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluoroundecanoic acid (PFUnA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluorododecanoic acid (PFDoA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:24 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C4 PFBA* | *91* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C5 PFPeA* | *85* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C5 PFHxA* | *90* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C4 PFHpA* | *89* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C8 PFOA* | *89* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C9 PFNA* | *105* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C6 PFDA* | *98* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C7 PFUnA* | *85* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C2 PFDoA* | *78* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C3 HFPO-DA* | *87* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |

**Client Sample ID: Well B**
**Date Collected: 03/10/22 12:10**
**Date Received: 03/11/22 09:15**

**Lab Sample ID: 810-17720-1**
**Matrix: Drinking Water**

## Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C3 PFBS* | *86* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C8 PFOS* | *94* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C2-4:2-FTS* | *90* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C2-6:2-FTS* | *96* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C2-8:2-FTS* | *98* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |
| *13C3 PFHxS* | *89* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:24* | *1* |

## Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctanesulfonic acid (PFOS) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| Perfluoroundecanoic acid (PFUnA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| Perfluorohexanoic acid (PFHxA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| Perfluorododecanoic acid (PFDoA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| Perfluorooctanoic acid (PFOA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| Perfluorodecanoic acid (PFDA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| Perfluoroheptanoic acid (PFHpA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| Perfluorononanoic acid (PFNA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| Perfluorotetradecanoic acid (PFTeDA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | <1.9 | | 1.9 | | ng/L | | 03/16/22 07:55 | 03/17/22 19:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFHxA* | *98* | | *70 - 130* | *03/16/22 07:55* | *03/17/22 19:20* | *1* |
| *13C2 PFDA* | *92* | | *70 - 130* | *03/16/22 07:55* | *03/17/22 19:20* | *1* |
| *13C3 HFPO-DA* | *97* | | *70 - 130* | *03/16/22 07:55* | *03/17/22 19:20* | *1* |
| *d5-NEtFOSAA* | *86* | | *70 - 130* | *03/16/22 07:55* | *03/17/22 19:20* | *1* |

## Method: 1613B - Tetra Chlorinated Dioxin in Drinking Water

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | <4.1 | | 4.1 | | pg/L | | 03/21/22 15:00 | 03/23/22 00:40 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C-2,3,7,8-TCDD* | *99* | | *25 - 164* | *03/21/22 15:00* | *03/23/22 00:40* | *1* |

## Method: 200.7 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Sodium** | **6.7** | | 0.10 | | mg/L | | | 03/18/22 14:31 | 1 |
| **Magnesium** | **16** | | 0.10 | | mg/L | | | 03/18/22 14:31 | 1 |
| Iron | <0.020 | | 0.020 | | mg/L | | | 03/18/22 14:31 | 1 |
| **Calcium** | **110** | | 0.10 | | mg/L | | | 03/18/22 14:31 | 1 |

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Client Sample ID: Well B

**Date Collected: 03/10/22 12:10**
**Date Received: 03/11/22 09:15**

## Lab Sample ID: 810-17720-1

**Matrix: Drinking Water**

### Method: 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <1.0 | | 1.0 | | ug/L | | | 03/17/22 15:39 | 1 |
| Arsenic | <1.0 | | 1.0 | | ug/L | | | 03/17/22 15:39 | 1 |
| **Barium** | **35** | | 2.0 | | ug/L | | | 03/17/22 15:39 | 1 |
| Beryllium | <0.30 | | 0.30 | | ug/L | | | 03/17/22 15:39 | 1 |
| Cadmium | <0.50 | | 0.50 | | ug/L | | | 03/17/22 15:39 | 1 |
| **Chromium** | **3.9** | | 0.90 | | ug/L | | | 03/17/22 15:39 | 1 |
| Copper | <1.0 | | 1.0 | | ug/L | | | 03/17/22 15:39 | 1 |
| Lead | <0.50 | | 0.50 | | ug/L | | | 03/17/22 15:39 | 1 |
| Manganese | <2.0 | | 2.0 | | ug/L | | | 03/17/22 15:39 | 1 |
| **Nickel** | **1.4** | | 1.0 | | ug/L | | | 03/17/22 15:39 | 1 |
| Selenium | <2.0 | | 2.0 | | ug/L | | | 03/17/22 15:39 | 1 |
| Silver | <0.50 | | 0.50 | | ug/L | | | 03/17/22 15:39 | 1 |
| Thallium | <0.30 | | 0.30 | | ug/L | | | 03/17/22 15:39 | 1 |
| **Zinc** | **15** | | 5.0 | | ug/L | | | 03/17/22 15:39 | 1 |

### Method: 245.1 - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.10 | | 0.10 | | ug/L | | 03/18/22 11:54 | 03/18/22 16:02 | 1 |

### Method: SM 2340B - Total Hardness (as CaCO3) by calculation

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Hardness as calcium carbonate** | **340** | | 0.66 | | mg/L | | | 03/20/22 17:00 | 1 |
| **Calcium hardness as calcium carbonate** | **270** | | 0.25 | | mg/L | | | 03/20/22 17:00 | 1 |
| **Magnesium hardness as calcium carbonate** | **66** | | 0.41 | | mg/L | | | 03/20/22 17:00 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | <0.0050 | | 0.0050 | | mg/L | | 03/18/22 06:45 | 03/18/22 11:11 | 1 |
| Nitrite as N | <0.010 | H | 0.010 | | mg/L | | | 03/15/22 10:12 | 1 |
| **Nitrate Nitrite as N** | **5.5** | **H** | 0.10 | | mg/L | | | 03/15/22 14:22 | 1 |
| Free Chlorine | <0.50 | HF | 0.50 | | mg/L | | | 03/11/22 18:17 | 1 |
| **Nitrate as N** | **5.5** | | 0.10 | | mg/L | | | 03/18/22 11:24 | 1 |
| Color, Apparent | <5.0 | | 5.0 | | Color Units | | | 03/11/22 15:23 | 1 |
| **Specific Conductance** | **690** | | 2.0 | | uS/cm | | | 03/16/22 19:50 | 1 |
| **Fluoride** | **0.090** | | 0.050 | | mg/L | | | 03/18/22 08:49 | 1 |

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **pH** | **7.3** | **HF** | 0.1 | | SU | | | 03/11/22 14:27 | 1 |
| **Turbidity** | **0.35** | | 0.10 | | NTU | | | 03/11/22 16:05 | 1 |
| Monochloramine | <0.10 | HF | 0.10 | | mg/L | | | 03/11/22 16:31 | 1 |
| Dichloramine | <0.10 | HF | 0.10 | | mg/L | | | 03/11/22 16:31 | 1 |
| Nitrogen trichloride | <0.20 | HF | 0.20 | | mg/L | | | 03/11/22 16:31 | 1 |
| Chloramines, Total | <0.20 | HF | 0.20 | | mg/L | | | 03/11/22 16:31 | 1 |
| Chlorine dioxide, Residual | <0.24 | HF | 0.24 | | mg/L | | | 03/10/22 12:10 | 1 |
| Odor | <1.0 | H | 1.0 | | T.O.N. | | | 03/11/22 14:58 | 1 |
| **Alkalinity, Bicarbonate** | **280** | | 1.0 | | mg/L | | | 03/18/22 19:49 | 1 |
| **Alkalinity, Total** | **280** | | 1.0 | | mg/L | | | 03/18/22 19:49 | 1 |
| **Total Dissolved Solids** | **380** | | 10 | | mg/L | | | 03/17/22 10:25 | 1 |
| Total Suspended Solids | <10 | | 10 | | mg/L | | | 03/16/22 15:46 | 1 |

## Client Sample ID: Well B

**Date Collected: 03/10/22 12:10**
**Date Received: 03/11/22 09:15**

**Lab Sample ID: 810-17720-1**
**Matrix: Drinking Water**

### Method: 7110B - Gross Alpha and Gross Beta Radioactivity

| Analyte | Result | Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | 2.93 | | | | 3.00 | 1.73 | pCi/L | 03/18/22 10:21 | 04/08/22 08:36 | 1 |
| Gross Beta | 7.27 | | | | 4.00 | 2.10 | pCi/L | 03/18/22 10:21 | 04/08/22 08:36 | 1 |

### Method: 7500 Ra D - Radium 226 Radium 228 Combined

| Analyte | Result | Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Combined Radium 226 + 228 | 0.870 | | | | 1.00 | 0.670 | pCi/L | | 04/21/22 16:02 | 1 |

### Method: SM7500 Ra B - Radium-226

| Analyte | Result | Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Ra-226 | -0.0100 | U * | | | 1.00 | 0.110 | pCi/L | 03/18/22 07:56 | 03/29/22 09:47 | 1 |

### Method: SM7500 Ra D - Radium-228

| Analyte | Result | Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Ra-228 | 0.870 | | | | 1.00 | 0.670 | pCi/L | 03/18/22 07:52 | 04/14/22 11:06 | 1 |

### Method: SM7500_Rn_B - Radon

| Analyte | Result | Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radon 222 | 75.3 | | | | 12.0 | 9.80 | pCi/L | 03/11/22 12:43 | 03/12/22 05:29 | 1 |

### Method: 9223B - Coliforms, Total, and E.Coli (Presence/Absence)

| Analyte | Result | Qualifier | NONE | NONE | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Escherichia coli | PRESENT | H | | | NONE | | | 03/14/22 15:26 | 1 |
| Coliform, Total | PRESENT | H | | | NONE | | | 03/14/22 15:26 | 1 |

### Method: SimPlate - Heterotrophic Plate Count (HPC)

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Heterotrophic Plate Count | 270 | | 2.0 | | MPN/mL | | | 03/11/22 11:44 | 1 |

## Client Sample ID: Spring

**Date Collected: 03/10/22 14:00**
**Date Received: 03/11/22 09:15**

**Lab Sample ID: 810-17720-2**
**Matrix: Drinking Water**

### Method: 524.2 - Total Trihalomethanes

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Trihalomethanes, Total | <0.5000 | | 0.5000 | | ug/L | | | 03/18/22 10:47 | 1 |

### Method: 524.2 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Bromodichloromethane | <0.50 | | 0.50 | | ug/L | | | 03/18/22 05:13 | 1 |
| 1,1,1-Trichloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

**Client Sample ID: Spring**
**Date Collected: 03/10/22 14:00**
**Date Received: 03/11/22 09:15**

**Lab Sample ID: 810-17720-2**
**Matrix: Drinking Water**

**Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromoform | <0.50 | | 0.50 | | ug/L | | | 03/18/22 05:13 | 1 |
| 1,1,2,2-Tetrachloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Chloroform | <0.50 | | 0.50 | | ug/L | | | 03/18/22 05:13 | 1 |
| 1,1,2-Trichloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Dibromochloromethane | <0.50 | | 0.50 | | ug/L | | | 03/18/22 05:13 | 1 |
| 1,1-Dichloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,1-Dichloroethene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,1-Dichloropropene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,2,3-Trichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,2,3-Trichloropropane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,2,4-Trichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,2,4-Trimethylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,2-Dibromo-3-Chloropropane | <0.20 | | 0.20 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,2-Dibromoethane (EDB) | <0.20 | | 0.20 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,2-Dichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,2-Dichloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,2-Dichloropropane | <0.25 | | 0.25 | | ug/L | | | 03/16/22 19:52 | 1 |
| o-Xylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| m-Xylene & p-Xylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,3,5-Trimethylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,3-Dichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,3-Dichloropropane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 1,4-Dichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 2,2-Dichloropropane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 2-Chlorotoluene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 4-Chlorotoluene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Benzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| 4-Isopropyltoluene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Bromobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Bromochloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Bromodichloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Bromoform | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Bromomethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Carbon tetrachloride | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Chloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Chlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Chloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Chloroform | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Dibromomethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Dichlorodifluoromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Dichloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Dibromochloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Hexachlorobutadiene | <0.25 | | 0.25 | | ug/L | | | 03/16/22 19:52 | 1 |
| Isopropylbenzene | <0.25 | | 0.25 | | ug/L | | | 03/16/22 19:52 | 1 |
| Naphthalene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Methyl-tert-butyl Ether (MTBE) | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Styrene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Tetrachloroethene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |

**Client Sample ID: Spring**
**Date Collected: 03/10/22 14:00**
**Date Received: 03/11/22 09:15**

**Lab Sample ID: 810-17720-2**
**Matrix: Drinking Water**

### Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Trichloroethylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Trichlorofluoromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Vinyl chloride | <0.20 | | 0.20 | | ug/L | | | 03/16/22 19:52 | 1 |
| tert-Butylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| cis-1,2-Dichloroethylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| cis-1,3-Dichloropropylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| n-Butylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| N-Propylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| sec-Butylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| trans-1,2-Dichloroethylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| trans-1,3-Dichloropropylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |
| Xylenes, Total | <0.50 | | 0.50 | | ug/L | | | 03/16/22 19:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *70 - 130* | | *03/18/22 05:13* | *1* |
| *Toluene-d8 (Surr)* | *94* | | *70 - 130* | | *03/18/22 05:13* | *1* |
| *4-Bromofluorobenzene (Surr)* | *78* | | *70 - 130* | | *03/18/22 05:13* | *1* |
| *1,2-Dichlorobenzene-d4 (Surr)* | *81* | | *70 - 130* | | *03/18/22 05:13* | *1* |
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *70 - 130* | | *03/16/22 19:52* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *70 - 130* | | *03/16/22 19:52* | *1* |
| *4-Bromofluorobenzene (Surr)* | *87* | | *70 - 130* | | *03/16/22 19:52* | *1* |
| *1,2-Dichlorobenzene-d4 (Surr)* | *87* | | *70 - 130* | | *03/16/22 19:52* | *1* |

### Method: 522 - 1,4 Dioxane (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | <0.070 | | 0.070 | | ug/L | | 03/21/22 07:41 | 03/22/22 14:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Dioxane-d8 (Surr)* | *82* | | *70 - 130* | *03/21/22 07:41* | *03/22/22 14:16* | *1* |

### Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | <0.020 | | 0.020 | | ug/L | | 03/18/22 07:44 | 03/21/22 21:50 | 1 |
| Di(2-ethylhexyl)adipate | <0.59 | | 0.59 | | ug/L | | 03/18/22 07:44 | 03/21/22 21:50 | 1 |
| Di (2-ethylhexyl)phthalate | <0.59 | | 0.59 | | ug/L | | 03/18/22 07:44 | 03/21/22 21:50 | 1 |
| Hexachlorobenzene | <0.098 | | 0.098 | | ug/L | | 03/18/22 07:44 | 03/21/22 21:50 | 1 |
| Simazine | <0.068 | | 0.068 | | ug/L | | 03/18/22 07:44 | 03/21/22 21:50 | 1 |
| Alachlor | <0.098 | | 0.098 | | ug/L | | 03/18/22 07:44 | 03/21/22 21:50 | 1 |
| Atrazine | <0.098 | | 0.098 | | ug/L | | 03/18/22 07:44 | 03/21/22 21:50 | 1 |
| Benzo[a]pyrene | <0.020 | | 0.020 | | ug/L | | 03/18/22 07:44 | 03/21/22 21:50 | 1 |
| Endrin | <0.0098 | | 0.0098 | | ug/L | | 03/18/22 07:44 | 03/21/22 21:50 | 1 |
| Methoxychlor | <0.098 | | 0.098 | | ug/L | | 03/18/22 07:44 | 03/21/22 21:50 | 1 |
| Heptachlor | <0.039 | | 0.039 | | ug/L | | 03/18/22 07:44 | 03/21/22 21:50 | 1 |
| Hexachlorocyclopentadiene | <0.098 | | 0.098 | | ug/L | | 03/18/22 07:44 | 03/21/22 21:50 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Nitro-m-xylene* | *101* | | *70 - 130* | *03/18/22 07:44* | *03/21/22 21:50* | *1* |
| *Perylene-d12* | *93* | | *70 - 130* | *03/18/22 07:44* | *03/21/22 21:50* | *1* |
| *Triphenylphosphate* | *106* | | *70 - 130* | *03/18/22 07:44* | *03/21/22 21:50* | *1* |

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Client Sample ID: Spring
**Date Collected: 03/10/22 14:00**
**Date Received: 03/11/22 09:15**

## Lab Sample ID: 810-17720-2
**Matrix: Drinking Water**

### Method: 548.1 - Endothall (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Endothall | <5.0 | | 5.0 | | ug/L | | 03/15/22 06:53 | 03/17/22 04:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4-Dichlorophenoxyacetic acid (Surr)* | *104* | | *70 - 130* | *03/15/22 06:53* | *03/17/22 04:53* | *1* |

### Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane (EDB) | <0.010 | | 0.010 | | ug/L | | 03/15/22 10:15 | 03/16/22 05:30 | 1 |
| 1,2-Dibromo-3-Chloropropane | <0.010 | | 0.010 | | ug/L | | 03/15/22 10:15 | 03/16/22 05:30 | 1 |

### Method: 505 - Organochlorine Pesticides/PCBs (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 | <0.080 | | 0.080 | | ug/L | | 03/16/22 09:55 | 03/16/22 23:14 | 1 |
| PCB-1221 | <0.19 | | 0.19 | | ug/L | | 03/16/22 09:55 | 03/16/22 23:14 | 1 |
| PCB-1232 | <0.23 | | 0.23 | | ug/L | | 03/16/22 09:55 | 03/16/22 23:14 | 1 |
| PCB-1242 | <0.26 | | 0.26 | | ug/L | | 03/16/22 09:55 | 03/16/22 23:14 | 1 |
| PCB-1248 | <0.10 | | 0.10 | | ug/L | | 03/16/22 09:55 | 03/16/22 23:14 | 1 |
| PCB-1254 | <0.10 | | 0.10 | | ug/L | | 03/16/22 09:55 | 03/16/22 23:14 | 1 |
| PCB-1260 | <0.20 | | 0.20 | | ug/L | | 03/16/22 09:55 | 03/16/22 23:14 | 1 |
| Chlordane (technical) | <0.10 | | 0.10 | | ug/L | | 03/16/22 09:55 | 03/16/22 23:14 | 1 |
| Toxaphene | <1.0 | | 1.0 | | ug/L | | 03/16/22 09:55 | 03/16/22 23:14 | 1 |
| Total PCBs as DCB (Qualitative) | <0.50 | | 0.50 | | ug/L | | 03/16/22 09:55 | 03/16/22 23:14 | 1 |

### Method: 515.3 - Herbicides (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-TP (Silvex) | <0.10 | | 0.10 | | ug/L | | 03/24/22 08:28 | 03/25/22 13:21 | 1 |
| Dalapon | <1.0 | | 1.0 | | ug/L | | 03/24/22 08:28 | 03/25/22 13:21 | 1 |
| Dinoseb | <0.10 | | 0.10 | | ug/L | | 03/24/22 08:28 | 03/25/22 13:21 | 1 |
| Pentachlorophenol | <0.040 | | 0.040 | | ug/L | | 03/24/22 08:28 | 03/25/22 13:21 | 1 |
| Picloram | <0.10 | | 0.10 | | ug/L | | 03/24/22 08:28 | 03/25/22 13:21 | 1 |
| 2,4-D | <0.10 | | 0.10 | | ug/L | | 03/24/22 08:28 | 03/25/22 13:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4-Dichlorophenylacetic acid* | *25* | *S1-* | *70 - 130* | *03/24/22 08:28* | *03/25/22 13:21* | *1* |

### Method: 551.1 - Chlorinated Disinfection Byproducts and Solvents (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | <1.1 | | 1.1 | | ug/L | | 03/23/22 10:03 | 03/24/22 03:06 | 1 |
| Dichloroacetonitrile | <0.53 | | 0.53 | | ug/L | | 03/23/22 10:03 | 03/24/22 03:06 | 1 |
| Dibromoacetonitrile | <0.53 | | 0.53 | | ug/L | | 03/23/22 10:03 | 03/24/22 03:06 | 1 |
| 1,1-Dichloro-2-propanone | <0.53 | | 0.53 | | ug/L | | 03/23/22 10:03 | 03/24/22 03:06 | 1 |
| Trichloroacetonitrile | <0.53 | | 0.53 | | ug/L | | 03/23/22 10:03 | 03/24/22 03:06 | 1 |
| Chloroform | <1.1 | | 1.1 | | ug/L | | 03/23/22 10:03 | 03/24/22 03:06 | 1 |
| Bromoform | <1.1 | | 1.1 | | ug/L | | 03/23/22 10:03 | 03/24/22 03:06 | 1 |
| Bromodichloromethane | <1.1 | | 1.1 | | ug/L | | 03/23/22 10:03 | 03/24/22 03:06 | 1 |
| Chloropicrin | <0.53 | | 0.53 | | ug/L | | 03/23/22 10:03 | 03/24/22 03:06 | 1 |
| Bromochloroacetonitrile | <0.53 | | 0.53 | | ug/L | | 03/23/22 10:03 | 03/24/22 03:06 | 1 |
| 1,1,1-Trichloro-2-propanone | <0.53 | | 0.53 | | ug/L | | 03/23/22 10:03 | 03/24/22 03:06 | 1 |

## Client Sample ID: Spring
**Date Collected: 03/10/22 14:00**
**Date Received: 03/11/22 09:15**

## Lab Sample ID: 810-17720-2
**Matrix: Drinking Water**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dibromopropane* | *103* | | | *03/23/22 10:03* | *03/24/22 03:06* | *1* |

### Method: 552.2 THAA - Total Haloacetic Acids (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Haloacetic Acids 5 | <2.000 | | 2.000 | | ug/L | | | 03/21/22 10:53 | 1 |

### Method: 552.2 - Haloacetic Acids (HAAs) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibromoacetic acid | <1.0 | | 1.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 22:19 | 1 |
| Dichloroacetic acid | <1.0 | | 1.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 22:19 | 1 |
| Monobromoacetic acid | <1.0 | | 1.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 22:19 | 1 |
| Monochloroacetic acid | <2.0 | | 2.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 22:19 | 1 |
| Trichloroacetic acid | <1.0 | | 1.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 22:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Bromopropionic acid (Surr)* | *94* | | *70 - 130* | *03/17/22 08:11* | *03/18/22 22:19* | *1* |

### Method: 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **15** | | 2.0 | | mg/L | | | 03/15/22 20:03 | 1 |
| Chlorite | <10 | | 10 | | ug/L | | | 03/15/22 22:41 | 1 |
| Chlorate | <10 | | 10 | | ug/L | | | 03/15/22 22:41 | 1 |
| **Sulfate** | **19** | | 5.0 | | mg/L | | | 03/15/22 20:03 | 1 |
| **Bromide** | **25** | | 10 | | ug/L | | | 03/15/22 22:41 | 1 |

### Method: 317 - Bromate, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | <1.0 | | 1.0 | | ug/L | | | 03/17/22 00:30 | 1 |

### Method: 531.2 - Carbamate Pesticides (HPLC) - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aldicarb | <0.50 | | 0.50 | | ug/L | | | 03/19/22 06:21 | 1 |
| Aldicarb sulfone | <0.70 | | 0.70 | | ug/L | | | 03/19/22 06:21 | 1 |
| Aldicarb sulfoxide | <0.50 | | 0.50 | | ug/L | | | 03/19/22 06:21 | 1 |
| Carbofuran | <0.90 | | 0.90 | | ug/L | | | 03/19/22 06:21 | 1 |
| Oxamyl | <1.0 | | 1.0 | | ug/L | | | 03/19/22 06:21 | 1 |

### Method: 547 - Glyphosate (DAI HPLC) - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Glyphosate | <6.0 | | 6.0 | | ug/L | | | 03/16/22 01:55 | 1 |

### Method: 549.2 - Diquat and Paraquat (HPLC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diquat | <0.40 | | 0.40 | | ug/L | | 03/16/22 06:59 | 03/18/22 17:46 | 1 |

### Method: 331.0 - Perchlorate (LC/MS/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Perchlorate** | **0.63** | | 0.050 | | ug/L | | | 03/17/22 18:57 | 1 |

### Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid (PFBA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |

**Client Sample ID: Spring**
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**Lab Sample ID: 810-17720-2**
**Matrix: Drinking Water**

## Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluoropentanoic acid (PFPeA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluorohexanoic acid (PFHxA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluoroheptanoic acid (PFHpA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluorooctanoic acid (PFOA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluorononanoic acid (PFNA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluorodecanoic acid (PFDA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluoroundecanoic acid (PFUnA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluorododecanoic acid (PFDoA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | <2.0 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/17/22 02:37 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C4 PFBA* | *95* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C5 PFPeA* | *89* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C5 PFHxA* | *94* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C4 PFHpA* | *94* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C8 PFOA* | *95* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C9 PFNA* | *109* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C6 PFDA* | *95* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C7 PFUnA* | *74* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C2 PFDoA* | *64* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C3 HFPO-DA* | *95* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C3 PFBS* | *84* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C8 PFOS* | *87* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C2-4:2-FTS* | *87* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C2-6:2-FTS* | *94* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |

## Client Sample ID: Spring
**Date Collected: 03/10/22 14:00**
**Date Received: 03/11/22 09:15**

## Lab Sample ID: 810-17720-2
**Matrix: Drinking Water**

### Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2-8:2-FTS* | *84* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |
| *13C3 PFHxS* | *87* | | *50 - 200* | *03/16/22 06:28* | *03/17/22 02:37* | *1* |

### Method: 1613B - Tetra Chlorinated Dioxin in Drinking Water

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | <5.5 | | 5.5 | | pg/L | | 03/21/22 15:00 | 03/23/22 01:29 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C-2,3,7,8-TCDD* | *107* | | *25 - 164* | *03/21/22 15:00* | *03/23/22 01:29* | *1* |

### Method: 200.7 - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Sodium** | **6.5** | | 0.10 | | mg/L | | | 03/18/22 14:38 | 1 |
| **Magnesium** | **16** | | 0.10 | | mg/L | | | 03/18/22 14:38 | 1 |
| **Iron** | **0.026** | | 0.020 | | mg/L | | | 03/18/22 14:38 | 1 |
| **Calcium** | **110** | | 0.10 | | mg/L | | | 03/18/22 14:38 | 1 |

### Method: 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <1.0 | | 1.0 | | ug/L | | | 03/17/22 16:33 | 1 |
| Arsenic | <1.0 | | 1.0 | | ug/L | | | 03/17/22 16:33 | 1 |
| **Barium** | **35** | | 2.0 | | ug/L | | | 03/17/22 16:33 | 1 |
| Beryllium | <0.30 | | 0.30 | | ug/L | | | 03/17/22 16:33 | 1 |
| Cadmium | <0.50 | | 0.50 | | ug/L | | | 03/17/22 16:33 | 1 |
| **Chromium** | **3.5** | | 0.90 | | ug/L | | | 03/17/22 16:33 | 1 |
| **Copper** | **1.6** | | 1.0 | | ug/L | | | 03/17/22 16:33 | 1 |
| Lead | <0.50 | | 0.50 | | ug/L | | | 03/17/22 16:33 | 1 |
| **Manganese** | **3.8** | | 2.0 | | ug/L | | | 03/17/22 16:33 | 1 |
| **Nickel** | **1.7** | | 1.0 | | ug/L | | | 03/17/22 16:33 | 1 |
| Selenium | <2.0 | | 2.0 | | ug/L | | | 03/17/22 16:33 | 1 |
| Silver | <0.50 | | 0.50 | | ug/L | | | 03/17/22 16:33 | 1 |
| Thallium | <0.30 | | 0.30 | | ug/L | | | 03/17/22 16:33 | 1 |
| Zinc | <5.0 | | 5.0 | | ug/L | | | 03/17/22 16:33 | 1 |

### Method: 245.1 - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.10 | | 0.10 | | ug/L | | 03/18/22 11:54 | 03/18/22 16:05 | 1 |

### Method: SM 2340B - Total Hardness (as CaCO3) by calculation

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Hardness as calcium carbonate** | **340** | | 0.66 | | mg/L | | | 03/20/22 17:00 | 1 |
| **Calcium hardness as calcium carbonate** | **280** | | 0.25 | | mg/L | | | 03/20/22 17:00 | 1 |
| **Magnesium hardness as calcium carbonate** | **66** | | 0.41 | | mg/L | | | 03/20/22 17:00 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | <0.0050 | | 0.0050 | | mg/L | | 03/23/22 10:26 | 03/23/22 13:12 | 1 |
| Nitrite as N | <0.010 | H | 0.010 | | mg/L | | | 03/15/22 10:11 | 1 |
| **Nitrate Nitrite as N** | **5.3** | **H** | 0.10 | | mg/L | | | 03/15/22 14:20 | 1 |
| Free Chlorine | <0.50 | HF | 0.50 | | mg/L | | | 03/11/22 18:17 | 1 |

## Client Sample ID: Spring
**Date Collected: 03/10/22 14:00**
**Date Received: 03/11/22 09:15**

## Lab Sample ID: 810-17720-2
**Matrix: Drinking Water**

### General Chemistry (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **5.3** | | 0.10 | | mg/L | | | 03/18/22 11:24 | 1 |
| Color, Apparent | <5.0 | | 5.0 | | Color Units | | | 03/11/22 15:22 | 1 |
| **Specific Conductance** | **590** | | 2.0 | | uS/cm | | | 03/16/22 19:54 | 1 |
| **Fluoride** | **0.090** | | 0.050 | | mg/L | | | 03/18/22 07:33 | 1 |

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **pH** | **7.5** | **HF** | 0.1 | | SU | | | 03/11/22 14:31 | 1 |
| **Turbidity** | **1.7** | | 0.10 | | NTU | | | 03/11/22 16:04 | 1 |
| Monochloramine | <0.10 | HF | 0.10 | | mg/L | | | 03/11/22 16:28 | 1 |
| Dichloramine | <0.10 | HF | 0.10 | | mg/L | | | 03/11/22 16:28 | 1 |
| Nitrogen trichloride | <0.20 | HF | 0.20 | | mg/L | | | 03/11/22 16:28 | 1 |
| Chloramines, Total | <0.20 | HF | 0.20 | | mg/L | | | 03/11/22 16:28 | 1 |
| Chlorine dioxide, Residual | <0.24 | HF | 0.24 | | mg/L | | | 03/10/22 14:00 | 1 |
| **Odor** | **1.0** | **H** | 1.0 | | T.O.N. | | | 03/11/22 14:53 | 1 |
| **Alkalinity, Bicarbonate** | **280** | | 1.0 | | mg/L | | | 03/18/22 20:05 | 1 |
| **Alkalinity, Total** | **280** | | 1.0 | | mg/L | | | 03/18/22 20:05 | 1 |
| **Total Dissolved Solids** | **380** | | 10 | | mg/L | | | 03/17/22 10:37 | 1 |
| Total Suspended Solids | <10 | | 10 | | mg/L | | | 03/16/22 15:40 | 1 |

### Method: 7110B - Gross Alpha and Gross Beta Radioactivity

| Analyte | Result | Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | -1.56 | U | | | 3.00 | 1.98 | pCi/L | 03/18/22 10:21 | 04/08/22 08:36 | 1 |
| Gross Beta | 0.170 | U | | | 4.00 | 1.96 | pCi/L | 03/18/22 10:21 | 04/08/22 08:36 | 1 |

### Method: 7500 Ra D - Radium 226 Radium 228 Combined

| Analyte | Result | Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Combined Radium 226 + 228 | 0.000 | U | | | 1.00 | 0.520 | pCi/L | | 04/21/22 16:02 | 1 |

### Method: SM7500 Ra B - Radium-226

| Analyte | Result | Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Ra-226 | -0.0500 | U * | | | 1.00 | 0.120 | pCi/L | 03/18/22 07:56 | 03/29/22 09:47 | 1 |

### Method: SM7500 Ra D - Radium-228

| Analyte | Result | Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Ra-228 | -0.290 | U | | | 1.00 | 0.520 | pCi/L | 03/18/22 07:52 | 04/14/22 11:06 | 1 |

### Method: SM7500_Rn_B - Radon

| Analyte | Result | Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Radon 222** | **51.1** | | | | 12.0 | 9.70 | pCi/L | 03/11/22 12:43 | 03/12/22 06:44 | 1 |

## Client Sample ID: Spring

**Date Collected: 03/10/22 14:00**
**Date Received: 03/11/22 09:15**

**Lab Sample ID: 810-17720-2**
**Matrix: Drinking Water**

### Method: 9223B - Coliforms, Total, and E.Coli (Presence/Absence)

| Analyte | Result | Qualifier | NONE | NONE | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Escherichia coli | ABSENT | H | | | NONE | | | 03/14/22 15:26 | 1 |
| Coliform, Total | PRESENT | H | | | NONE | | | 03/14/22 15:26 | 1 |

### Method: SimPlate - Heterotrophic Plate Count (HPC)

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Heterotrophic Plate Count | 150 | | 2.0 | | MPN/mL | | | 03/11/22 11:44 | 1 |

## Client Sample ID: Well B

**Date Collected: 03/10/22 12:10**
**Date Received: 03/11/22 09:15**

**Lab Sample ID: 810-17720-5**
**Matrix: Water**

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Phenols, Total | <0.020 | | 0.020 | | mg/L | | | 03/23/22 11:42 | 1 |
| MBAS | <0.12 | H | 0.12 | | mg/L LAS MW320 | | | 03/19/22 03:58 | 1 |

## Client Sample ID: Spring

**Date Collected: 03/10/22 14:00**
**Date Received: 03/11/22 09:15**

**Lab Sample ID: 810-17720-6**
**Matrix: Water**

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Phenols, Total | <0.020 | | 0.020 | | mg/L | | | 03/23/22 10:18 | 1 |
| MBAS | <0.12 | H | 0.12 | | mg/L LAS MW320 | | | 03/19/22 03:58 | 1 |

# Surrogate Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Method: 524.2 - Volatile Organic Compounds (GC/MS)

**Matrix: Drinking Water** — **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| | | DCA | TOL | BFB | DCZ |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | (70-130) | (70-130) |
| 810-17720-1 | Well B | 102 | 94 | 83 | 81 |
| 810-17720-1 | Well B | 106 | 95 | 81 | 83 |
| 810-17720-2 | Spring | 103 | 97 | 87 | 87 |
| 810-17720-2 | Spring | 101 | 94 | 78 | 81 |
| MB 810-14993/5 | Method Blank | 103 | 99 | 90 | 88 |
| MB 810-15073/5 | Method Blank | 103 | 102 | 80 | 78 |

**Surrogate Legend**

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DCZ = 1,2-Dichlorobenzene-d4 (Surr)

## Method: 522 - 1,4 Dioxane (GC/MS SIM)

**Matrix: Drinking Water** — **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) |
|---|---|---|
| | | DXE |
| Lab Sample ID | Client Sample ID | (70-130) |
| 810-17720-1 | Well B | 85 |
| 810-17720-2 | Spring | 82 |
| LLCS 810-15223/2-A | Lab Control Sample | 76 |
| MBL 810-15223/1-A | Method Blank | 86 |

**Surrogate Legend**

DXE = 1,4-Dioxane-d8 (Surr)

## Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

**Matrix: Drinking Water** — **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | |
|---|---|---|---|---|
| | | 2NMX | PRY | TPP |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | (70-130) |
| 810-17720-1 | Well B | 100 | 89 | 100 |
| 810-17720-2 | Spring | 101 | 93 | 106 |
| LCS 810-15033/3-A | Lab Control Sample | 96 | 93 | 98 |
| LCS 810-15115/3-A | Lab Control Sample | 99 | 93 | 104 |
| LLCS 810-15033/2-A | Lab Control Sample | 102 | 93 | 100 |
| LLCS 810-15115/2-A | Lab Control Sample | 99 | 95 | 107 |
| MB 810-15033/1-A | Method Blank | 100 | 91 | 99 |
| MB 810-15115/1-A | Method Blank | 101 | 93 | 105 |

**Surrogate Legend**

2NMX = 2-Nitro-m-xylene
PRY = Perylene-d12
TPP = Triphenylphosphate

# Surrogate Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Method: 548.1 - Endothall (GC/MS)

**Matrix: Drinking Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) |
|---|---|---|
| | | 24D |
| Lab Sample ID | Client Sample ID | (70-130) |
| 810-17720-1 | Well B | 110 |
| 810-17720-2 | Spring | 104 |
| LCS 810-14823/2-A | Lab Control Sample | 100 |
| LLCS 810-14823/3-A | Lab Control Sample | 118 |
| MB 810-14823/1-A | Method Blank | 119 |

**Surrogate Legend**

24D = 2,4-Dichlorophenoxyacetic acid (Surr)

## Method: 515.3 - Herbicides (GC)

**Matrix: Drinking Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) |
|---|---|---|
| | | DCPAA1 |
| Lab Sample ID | Client Sample ID | (70-130) |
| 810-17720-1 | Well B | 93 |
| 810-17720-2 | Spring | 25 S1- |
| LLCS 810-15291/2-B | Lab Control Sample | 100 |
| LLCS 810-15484/2-B | Lab Control Sample | 90 |
| MB 810-15291/1-B | Method Blank | 102 |
| MB 810-15484/1-B | Method Blank | 91 |

**Surrogate Legend**

DCPAA = 2,4-Dichlorophenylacetic acid

## Method: 551.1 - Chlorinated Disinfection Byproducts and Solvents (GC)

**Matrix: Drinking Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) |
|---|---|---|
| | | 12DBP2 |
| Lab Sample ID | Client Sample ID | |
| 810-17720-1 | Well B | 100 |
| 810-17720-2 | Spring | 103 |
| LLCS 810-15410/2-B | Lab Control Sample | 102 |
| MB 810-15410/1-B | Method Blank | 108 |

**Surrogate Legend**

12DBP = 1,2-Dibromopropane

## Method: 552.2 - Haloacetic Acids (HAAs) (GC)

**Matrix: Drinking Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) |
|---|---|---|
| | | 2BPPA1 |
| Lab Sample ID | Client Sample ID | (70-130) |
| 810-17720-1 | Well B | 95 |
| 810-17720-2 | Spring | 94 |
| MB 810-15027/1-A | Method Blank | 93 |

**Surrogate Legend**

2BPPA = 2-Bromopropionic acid (Surr)

# Surrogate Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)

**Matrix: Drinking Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | PFHxA (70-130) | PFDA (70-130) | HFPODA (70-130) | d5NEFOS (70-130) |
| 810-17720-1 | Well B | 98 | 92 | 97 | 86 |
| LLCS 810-14935/2-A | Lab Control Sample | 107 | 101 | 98 | 94 |
| MBL 810-14935/1-A | Method Blank | 101 | 98 | 99 | 97 |

**Surrogate Legend**

PFHxA = 13C2 PFHxA
PFDA = 13C2 PFDA
HFPODA = 13C3 HFPO-DA
d5NEFOS = d5-NEtFOSAA

# Isotope Dilution Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

### Matrix: Drinking Water

### Prep Type: Total/NA

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | PFBA (50-200) | PFPeA (50-200) | 13C5PHA (50-200) | C4PFHA (50-200) | C8PFOA (50-200) | C9PFNA (50-200) | C6PFDA (50-200) | 13C7PUA (50-200) |
| 810-17720-1 | Well B | 91 | 85 | 90 | 89 | 89 | 105 | 98 | 85 |
| 810-17720-2 | Spring | 95 | 89 | 94 | 94 | 95 | 109 | 95 | 74 |
| LLCS 810-14933/2-A | Lab Control Sample | 97 | 97 | 99 | 97 | 98 | 105 | 100 | 94 |
| MBL 810-14933/1-A | Method Blank | 98 | 97 | 99 | 97 | 96 | 104 | 102 | 93 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | PFDoA (50-200) | HFPODA (50-200) | C3PFBS (50-200) | C8PFOS (50-200) | 42FTS (50-200) | 62FTS (50-200) | 82FTS (50-200) | C3PFHS (50-200) |
| 810-17720-1 | Well B | 78 | 87 | 86 | 94 | 90 | 96 | 98 | 89 |
| 810-17720-2 | Spring | 64 | 95 | 84 | 87 | 87 | 94 | 84 | 87 |
| LLCS 810-14933/2-A | Lab Control Sample | 93 | 96 | 90 | 92 | 92 | 95 | 96 | 90 |
| MBL 810-14933/1-A | Method Blank | 90 | 95 | 93 | 95 | 90 | 90 | 90 | 94 |

**Surrogate Legend**

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoA = 13C2 PFDoA
HFPODA = 13C3 HFPO-DA
C3PFBS = 13C3 PFBS
C8PFOS = 13C8 PFOS
42FTS = 13C2-4:2-FTS
62FTS = 13C2-6:2-FTS
82FTS = 13C2-8:2-FTS
C3PFHS = 13C3 PFHxS

## Method: 1613B - Tetra Chlorinated Dioxin in Drinking Water

### Matrix: Drinking Water

### Prep Type: Total/NA

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | TCDD (25-164) | | | | | | | |
| 810-17720-1 | Well B | 99 | | | | | | | |
| 810-17720-2 | Spring | 107 | | | | | | | |
| MB 410-236037/1-A | Method Blank | 91 | | | | | | | |

**Surrogate Legend**

TCDD = 13C-2,3,7,8-TCDD

## Method: 1613B - Tetra Chlorinated Dioxin in Drinking Water

### Matrix: Drinking Water

### Prep Type: Total/NA

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | TCDD (20-175) | | | | | | | |
| LCS 410-236037/2-A | Lab Control Sample | 93 | | | | | | | |

**Surrogate Legend**

# Isotope Dilution Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

TCDD = 13C-2,3,7,8-TCDD

## Method: 524.2 - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 810-14993/5**
**Matrix: Drinking Water**
**Analysis Batch: 14993**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,1,1-Trichloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,1,2,2-Tetrachloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,1,2-Trichloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,1-Dichloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,1-Dichloroethene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,1-Dichloropropene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,2,3-Trichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,2,3-Trichloropropane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,2,4-Trichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,2,4-Trimethylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,2-Dibromo-3-Chloropropane | <0.20 | | 0.20 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,2-Dibromoethane (EDB) | <0.20 | | 0.20 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,2-Dichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,2-Dichloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,2-Dichloropropane | <0.25 | | 0.25 | | ug/L | | | 03/16/22 17:33 | 1 |
| o-Xylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| m-Xylene & p-Xylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,3,5-Trimethylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,3-Dichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,3-Dichloropropane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 1,4-Dichlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 2,2-Dichloropropane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 2-Chlorotoluene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 4-Chlorotoluene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Benzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| 4-Isopropyltoluene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Bromobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Bromochloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Bromodichloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Bromoform | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Bromomethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Carbon tetrachloride | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Chloroethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Chlorobenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Chloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Chloroform | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Dibromomethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Dichlorodifluoromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Dichloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Dibromochloromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Ethylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Hexachlorobutadiene | <0.25 | | 0.25 | | ug/L | | | 03/16/22 17:33 | 1 |
| Isopropylbenzene | <0.25 | | 0.25 | | ug/L | | | 03/16/22 17:33 | 1 |
| Naphthalene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Methyl-tert-butyl Ether (MTBE) | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Styrene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Tetrachloroethene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |

## Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 810-14993/5**
**Matrix: Drinking Water**
**Analysis Batch: 14993**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Trichloroethylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Trichlorofluoromethane | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Vinyl chloride | <0.20 | | 0.20 | | ug/L | | | 03/16/22 17:33 | 1 |
| tert-Butylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| cis-1,2-Dichloroethylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| cis-1,3-Dichloropropylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| n-Butylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| N-Propylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| sec-Butylbenzene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| trans-1,2-Dichloroethylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| trans-1,3-Dichloropropylene | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |
| Xylenes, Total | <0.50 | | 0.50 | | ug/L | | | 03/16/22 17:33 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *70 - 130* | | *03/16/22 17:33* | *1* |
| *Toluene-d8 (Surr)* | *99* | | *70 - 130* | | *03/16/22 17:33* | *1* |
| *4-Bromofluorobenzene (Surr)* | *90* | | *70 - 130* | | *03/16/22 17:33* | *1* |
| *1,2-Dichlorobenzene-d4 (Surr)* | *88* | | *70 - 130* | | *03/16/22 17:33* | *1* |

**Lab Sample ID: MB 810-15073/5**
**Matrix: Drinking Water**
**Analysis Batch: 15073**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromodichloromethane | <0.50 | | 0.50 | | ug/L | | | 03/18/22 00:05 | 1 |
| Bromoform | <0.50 | | 0.50 | | ug/L | | | 03/18/22 00:05 | 1 |
| Chloroform | <0.50 | | 0.50 | | ug/L | | | 03/18/22 00:05 | 1 |
| Dibromochloromethane | <0.50 | | 0.50 | | ug/L | | | 03/18/22 00:05 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *70 - 130* | | *03/18/22 00:05* | *1* |
| *Toluene-d8 (Surr)* | *102* | | *70 - 130* | | *03/18/22 00:05* | *1* |
| *4-Bromofluorobenzene (Surr)* | *80* | | *70 - 130* | | *03/18/22 00:05* | *1* |
| *1,2-Dichlorobenzene-d4 (Surr)* | *78* | | *70 - 130* | | *03/18/22 00:05* | *1* |

## Method: 522 - 1,4 Dioxane (GC/MS SIM)

**Lab Sample ID: MBL 810-15223/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 15313**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15223**

| Analyte | MBL Result | MBL Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | <0.032 | | 0.070 | | ug/L | | 03/21/22 07:41 | 03/22/22 12:39 | 1 |

| *Surrogate* | *MBL %Recovery* | *MBL Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Dioxane-d8 (Surr)* | *86* | | *70 - 130* | *03/21/22 07:41* | *03/22/22 12:39* | *1* |

## Method: 522 - 1,4 Dioxane (GC/MS SIM) (Continued)

**Lab Sample ID: LLCS 810-15223/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 15313**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15223**

| Analyte | | | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | | | 0.0700 | 0.0607 | J | ug/L | | 87 | 50 - 150 | | |

| *Surrogate* | *LLCS %Recovery* | *LLCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,4-Dioxane-d8 (Surr)* | *76* | | *70 - 130* |

## Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 810-15033/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 15085**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15033**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | <0.019 | | 0.019 | | ug/L | | 03/17/22 07:44 | 03/17/22 22:17 | 1 |
| Di(2-ethylhexyl)adipate | <0.58 | | 0.58 | | ug/L | | 03/17/22 07:44 | 03/17/22 22:17 | 1 |
| Di (2-ethylhexyl)phthalate | <0.58 | | 0.58 | | ug/L | | 03/17/22 07:44 | 03/17/22 22:17 | 1 |
| Hexachlorobenzene | <0.096 | | 0.096 | | ug/L | | 03/17/22 07:44 | 03/17/22 22:17 | 1 |
| Simazine | <0.067 | | 0.067 | | ug/L | | 03/17/22 07:44 | 03/17/22 22:17 | 1 |
| Alachlor | <0.096 | | 0.096 | | ug/L | | 03/17/22 07:44 | 03/17/22 22:17 | 1 |
| Atrazine | <0.096 | | 0.096 | | ug/L | | 03/17/22 07:44 | 03/17/22 22:17 | 1 |
| Benzo[a]pyrene | <0.019 | | 0.019 | | ug/L | | 03/17/22 07:44 | 03/17/22 22:17 | 1 |
| Endrin | <0.0096 | | 0.0096 | | ug/L | | 03/17/22 07:44 | 03/17/22 22:17 | 1 |
| Methoxychlor | <0.096 | | 0.096 | | ug/L | | 03/17/22 07:44 | 03/17/22 22:17 | 1 |
| Heptachlor | <0.039 | | 0.039 | | ug/L | | 03/17/22 07:44 | 03/17/22 22:17 | 1 |
| Hexachlorocyclopentadiene | <0.096 | | 0.096 | | ug/L | | 03/17/22 07:44 | 03/17/22 22:17 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Nitro-m-xylene* | *100* | | *70 - 130* | *03/17/22 07:44* | *03/17/22 22:17* | *1* |
| *Perylene-d12* | *91* | | *70 - 130* | *03/17/22 07:44* | *03/17/22 22:17* | *1* |
| *Triphenylphosphate* | *99* | | *70 - 130* | *03/17/22 07:44* | *03/17/22 22:17* | *1* |

**Lab Sample ID: LCS 810-15033/3-A**
**Matrix: Drinking Water**
**Analysis Batch: 15085**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15033**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | | | 1.96 | 1.88 | | ug/L | | 96 | 70 - 130 | | |
| Di(2-ethylhexyl)adipate | | | 1.96 | 2.04 | | ug/L | | 104 | 70 - 130 | | |
| Di (2-ethylhexyl)phthalate | | | 1.96 | 2.04 | | ug/L | | 104 | 70 - 130 | | |
| Hexachlorobenzene | | | 1.96 | 1.92 | | ug/L | | 98 | 70 - 130 | | |
| Simazine | | | 1.96 | 2.04 | | ug/L | | 104 | 70 - 130 | | |
| Propachlor | | | 1.96 | 2.09 | | ug/L | | 107 | 70 - 130 | | |
| Metribuzin | | | 1.96 | 2.30 | | ug/L | | 118 | 70 - 130 | | |
| Butachlor | | | 1.96 | 1.99 | | ug/L | | 102 | 70 - 130 | | |
| Aldrin | | | 1.96 | 2.00 | | ug/L | | 102 | 70 - 130 | | |
| Metolachlor | | | 1.96 | 2.06 | | ug/L | | 105 | 70 - 130 | | |
| gamma-BHC (Lindane) | | | 1.96 | 2.07 | | ug/L | | 106 | 70 - 130 | | |
| Dieldrin | | | 1.96 | 2.24 | | ug/L | | 114 | 70 - 130 | | |
| Endrin | | | 1.96 | 2.25 | | ug/L | | 115 | 70 - 130 | | |

## Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 810-15033/3-A**
**Matrix: Drinking Water**
**Analysis Batch: 15085**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15033**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Methoxychlor | 1.96 | 2.06 | | ug/L | | 105 | 70 - 130 |
| Heptachlor | 1.96 | 2.14 | | ug/L | | 110 | 70 - 130 |
| Hexachlorocyclopentadiene | 1.96 | 1.76 | | ug/L | | 90 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Nitro-m-xylene* | *96* | | *70 - 130* |
| *Perylene-d12* | *93* | | *70 - 130* |
| *Triphenylphosphate* | *98* | | *70 - 130* |

**Lab Sample ID: LLCS 810-15033/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 15085**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15033**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | 0.00977 | <0.020 | | ug/L | | 116 | 50 - 150 |
| Di(2-ethylhexyl)adipate | 0.586 | <0.59 | | ug/L | | 94 | 50 - 150 |
| Di (2-ethylhexyl)phthalate | 0.586 | 0.615 | | ug/L | | 105 | 50 - 150 |
| Hexachlorobenzene | 0.0977 | 0.0888 | J | ug/L | | 91 | 50 - 150 |
| Simazine | 0.0684 | 0.0639 | J | ug/L | | 93 | 50 - 150 |
| Propachlor | 0.0977 | 0.0945 | J | ug/L | | 97 | 50 - 150 |
| Metribuzin | 0.0977 | 0.0887 | J | ug/L | | 91 | 50 - 150 |
| Butachlor | 0.0977 | 0.0898 | J | ug/L | | 92 | 50 - 150 |
| Aldrin | 0.0684 | 0.0783 | J | ug/L | | 115 | 50 - 150 |
| Metolachlor | 0.0977 | 0.0926 | J | ug/L | | 95 | 50 - 150 |
| gamma-BHC (Lindane) | 0.0195 | 0.0204 | | ug/L | | 104 | 50 - 150 |
| Dieldrin | 0.0195 | 0.0234 | J | ug/L | | 120 | 50 - 150 |
| Endrin | 0.00977 | 0.0122 | | ug/L | | 125 | 50 - 150 |
| Methoxychlor | 0.0977 | 0.0871 | J | ug/L | | 89 | 50 - 150 |
| Heptachlor | 0.00977 | 0.0103 | J | ug/L | | 105 | 50 - 150 |
| Hexachlorocyclopentadiene | 0.0977 | 0.0907 | J | ug/L | | 93 | 50 - 150 |

| *Surrogate* | *LLCS %Recovery* | *LLCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Nitro-m-xylene* | *102* | | *70 - 130* |
| *Perylene-d12* | *93* | | *70 - 130* |
| *Triphenylphosphate* | *100* | | *70 - 130* |

**Lab Sample ID: MB 810-15115/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 15245**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15115**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | <0.019 | | 0.019 | | ug/L | | 03/18/22 07:44 | 03/21/22 16:50 | 1 |
| Di(2-ethylhexyl)adipate | <0.58 | | 0.58 | | ug/L | | 03/18/22 07:44 | 03/21/22 16:50 | 1 |
| Di (2-ethylhexyl)phthalate | <0.58 | | 0.58 | | ug/L | | 03/18/22 07:44 | 03/21/22 16:50 | 1 |
| Hexachlorobenzene | <0.097 | | 0.097 | | ug/L | | 03/18/22 07:44 | 03/21/22 16:50 | 1 |
| Simazine | <0.068 | | 0.068 | | ug/L | | 03/18/22 07:44 | 03/21/22 16:50 | 1 |
| Alachlor | <0.097 | | 0.097 | | ug/L | | 03/18/22 07:44 | 03/21/22 16:50 | 1 |
| Atrazine | <0.097 | | 0.097 | | ug/L | | 03/18/22 07:44 | 03/21/22 16:50 | 1 |

## Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 810-15115/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 15245**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15115**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]pyrene | <0.019 | | 0.019 | | ug/L | | 03/18/22 07:44 | 03/21/22 16:50 | 1 |
| Endrin | <0.0097 | | 0.0097 | | ug/L | | 03/18/22 07:44 | 03/21/22 16:50 | 1 |
| Methoxychlor | <0.097 | | 0.097 | | ug/L | | 03/18/22 07:44 | 03/21/22 16:50 | 1 |
| Heptachlor | <0.039 | | 0.039 | | ug/L | | 03/18/22 07:44 | 03/21/22 16:50 | 1 |
| Hexachlorocyclopentadiene | <0.097 | | 0.097 | | ug/L | | 03/18/22 07:44 | 03/21/22 16:50 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Nitro-m-xylene* | *101* | | *70 - 130* | *03/18/22 07:44* | *03/21/22 16:50* | *1* |
| *Perylene-d12* | *93* | | *70 - 130* | *03/18/22 07:44* | *03/21/22 16:50* | *1* |
| *Triphenylphosphate* | *105* | | *70 - 130* | *03/18/22 07:44* | *03/21/22 16:50* | *1* |

**Lab Sample ID: LCS 810-15115/3-A**
**Matrix: Drinking Water**
**Analysis Batch: 15245**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15115**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | 1.94 | 1.87 | | ug/L | | 97 | 70 - 130 |
| Di(2-ethylhexyl)adipate | 1.94 | 1.89 | | ug/L | | 98 | 70 - 130 |
| Di (2-ethylhexyl)phthalate | 1.94 | 1.84 | | ug/L | | 95 | 70 - 130 |
| Hexachlorobenzene | 1.94 | 1.84 | | ug/L | | 95 | 70 - 130 |
| Simazine | 1.94 | 1.98 | | ug/L | | 102 | 70 - 130 |
| Propachlor | 1.94 | 2.00 | | ug/L | | 103 | 70 - 130 |
| Metribuzin | 1.94 | 2.17 | | ug/L | | 112 | 70 - 130 |
| Butachlor | 1.94 | 1.97 | | ug/L | | 102 | 70 - 130 |
| Aldrin | 1.94 | 1.75 | | ug/L | | 90 | 70 - 130 |
| Metolachlor | 1.94 | 1.92 | | ug/L | | 99 | 70 - 130 |
| gamma-BHC (Lindane) | 1.94 | 1.90 | | ug/L | | 98 | 70 - 130 |
| Dieldrin | 1.94 | 1.97 | | ug/L | | 102 | 70 - 130 |
| Endrin | 1.94 | 1.89 | | ug/L | | 98 | 70 - 130 |
| Methoxychlor | 1.94 | 1.78 | | ug/L | | 92 | 70 - 130 |
| Heptachlor | 1.94 | 1.73 | | ug/L | | 89 | 70 - 130 |
| Hexachlorocyclopentadiene | 1.94 | 1.68 | | ug/L | | 87 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Nitro-m-xylene* | *99* | | *70 - 130* |
| *Perylene-d12* | *93* | | *70 - 130* |
| *Triphenylphosphate* | *104* | | *70 - 130* |

**Lab Sample ID: LLCS 810-15115/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 15245**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15115**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Heptachlor epoxide | 0.00974 | <0.019 | | ug/L | | 81 | 50 - 150 |
| Di(2-ethylhexyl)adipate | 0.584 | <0.58 | | ug/L | | 94 | 50 - 150 |
| Di (2-ethylhexyl)phthalate | 0.584 | <0.58 | | ug/L | | 97 | 50 - 150 |
| Hexachlorobenzene | 0.0974 | 0.0819 | J | ug/L | | 84 | 50 - 150 |
| Simazine | 0.0682 | 0.0653 | J | ug/L | | 96 | 50 - 150 |

## Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LLCS 810-15115/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 15245**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15115**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Propachlor | 0.0974 | 0.0890 | J | ug/L | | 91 | 50 - 150 |
| Metribuzin | 0.0974 | 0.0943 | J | ug/L | | 97 | 50 - 150 |
| Butachlor | 0.0974 | 0.0848 | J | ug/L | | 87 | 50 - 150 |
| Aldrin | 0.0682 | 0.0577 | J | ug/L | | 85 | 50 - 150 |
| Metolachlor | 0.0974 | 0.0855 | J | ug/L | | 88 | 50 - 150 |
| gamma-BHC (Lindane) | 0.0195 | 0.0168 | J | ug/L | | 87 | 50 - 150 |
| Dieldrin | 0.0195 | 0.0199 | J | ug/L | | 102 | 50 - 150 |
| Endrin | 0.00974 | 0.0130 | | ug/L | | 134 | 50 - 150 |
| Methoxychlor | 0.0974 | 0.0748 | J | ug/L | | 77 | 50 - 150 |
| Heptachlor | 0.00974 | <0.0097 | | ug/L | | 80 | 50 - 150 |
| Hexachlorocyclopentadiene | 0.0974 | 0.0840 | J | ug/L | | 86 | 50 - 150 |

| *Surrogate* | *LLCS %Recovery* | *LLCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Nitro-m-xylene* | *99* | | *70 - 130* |
| *Perylene-d12* | *95* | | *70 - 130* |
| *Triphenylphosphate* | *107* | | *70 - 130* |

## Method: 548.1 - Endothall (GC/MS)

**Lab Sample ID: MB 810-14823/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 15042**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 14823**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Endothall | <5.0 | | 5.0 | | ug/L | | 03/15/22 06:53 | 03/16/22 23:54 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4-Dichlorophenoxyacetic acid (Surr)* | *119* | | *70 - 130* | *03/15/22 06:53* | *03/16/22 23:54* | *1* |

**Lab Sample ID: LCS 810-14823/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 15042**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14823**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Endothall | 10.0 | 11.3 | | ug/L | | 113 | 69 - 136 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4-Dichlorophenoxyacetic acid (Surr)* | *100* | | *70 - 130* |

**Lab Sample ID: LLCS 810-14823/3-A**
**Matrix: Drinking Water**
**Analysis Batch: 15042**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14823**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Endothall | 9.00 | 11.0 | | ug/L | | 123 | 50 - 150 |

## Method: 548.1 - Endothall (GC/MS) (Continued)

**Lab Sample ID: LLCS 810-14823/3-A**
**Matrix: Drinking Water**
**Analysis Batch: 15042**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14823**

| Surrogate | LLCS %Recovery | LLCS Qualifier | Limits |
|---|---|---|---|
| 2,4-Dichlorophenoxyacetic acid (Surr) | 118 | | 70 - 130 |

## Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

**Lab Sample ID: MB 810-14862/24-A**
**Matrix: Drinking Water**
**Analysis Batch: 14919**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 14862**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane (EDB) | <0.010 | | 0.010 | | ug/L | | 03/15/22 10:15 | 03/15/22 19:20 | 1 |
| 1,2-Dibromo-3-Chloropropane | <0.010 | | 0.010 | | ug/L | | 03/15/22 10:15 | 03/15/22 19:20 | 1 |

**Lab Sample ID: LCS 810-14862/30-A**
**Matrix: Drinking Water**
**Analysis Batch: 14919**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14862**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane (EDB) | 0.250 | 0.265 | | ug/L | | 106 | 70 - 130 |
| 1,2-Dibromo-3-Chloropropane | 0.250 | 0.242 | | ug/L | | 97 | 70 - 130 |

**Lab Sample ID: LLCS 810-14862/25-A**
**Matrix: Drinking Water**
**Analysis Batch: 14919**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14862**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane (EDB) | 0.0100 | 0.0150 | | ug/L | | 150 | 50 - 150 |
| 1,2-Dibromo-3-Chloropropane | 0.0100 | 0.0113 | | ug/L | | 113 | 50 - 150 |

## Method: 505 - Organochlorine Pesticides/PCBs (GC)

**Lab Sample ID: MB 810-14969/24-A**
**Matrix: Drinking Water**
**Analysis Batch: 14999**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 14969**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1016 | <0.080 | | 0.080 | | ug/L | | 03/16/22 09:55 | 03/16/22 18:02 | 1 |
| PCB-1221 | <0.19 | | 0.19 | | ug/L | | 03/16/22 09:55 | 03/16/22 18:02 | 1 |
| PCB-1232 | <0.23 | | 0.23 | | ug/L | | 03/16/22 09:55 | 03/16/22 18:02 | 1 |
| PCB-1242 | <0.26 | | 0.26 | | ug/L | | 03/16/22 09:55 | 03/16/22 18:02 | 1 |
| PCB-1248 | <0.10 | | 0.10 | | ug/L | | 03/16/22 09:55 | 03/16/22 18:02 | 1 |
| PCB-1254 | <0.10 | | 0.10 | | ug/L | | 03/16/22 09:55 | 03/16/22 18:02 | 1 |
| PCB-1260 | <0.20 | | 0.20 | | ug/L | | 03/16/22 09:55 | 03/16/22 18:02 | 1 |
| Chlordane (technical) | <0.10 | | 0.10 | | ug/L | | 03/16/22 09:55 | 03/16/22 18:02 | 1 |
| Toxaphene | <1.0 | | 1.0 | | ug/L | | 03/16/22 09:55 | 03/16/22 18:02 | 1 |
| Total PCBs as DCB (Qualitative) | <0.50 | | 0.50 | | ug/L | | 03/16/22 09:55 | 03/16/22 18:02 | 1 |

## Method: 505 - Organochlorine Pesticides/PCBs (GC) (Continued)

**Lab Sample ID: LLCS 810-14969/31-A**
**Matrix: Drinking Water**
**Analysis Batch: 14999**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14969**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chlordane (technical) | 0.100 | 0.136 | | ug/L | | 136 | 50 - 150 |

**Lab Sample ID: LLCS 810-14969/32-A**
**Matrix: Drinking Water**
**Analysis Batch: 14999**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14969**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Toxaphene | 1.00 | 0.779 | J | ug/L | | 78 | 50 - 150 |

**Lab Sample ID: 810-17720-1 MS**
**Matrix: Drinking Water**
**Analysis Batch: 14999**

**Client Sample ID: Well B**
**Prep Type: Total/NA**
**Prep Batch: 14969**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1242 | <0.26 | | 1.00 | 1.20 | | ug/L | | 120 | 65 - 135 |

**Lab Sample ID: 810-17720-2 MS**
**Matrix: Drinking Water**
**Analysis Batch: 14999**

**Client Sample ID: Spring**
**Prep Type: Total/NA**
**Prep Batch: 14969**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chlordane (technical) | <0.10 | | 1.00 | 0.875 | | ug/L | | 88 | 65 - 135 |

**Lab Sample ID: 810-17720-2 MSD**
**Matrix: Drinking Water**
**Analysis Batch: 14999**

**Client Sample ID: Spring**
**Prep Type: Total/NA**
**Prep Batch: 14969**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlordane (technical) | <0.10 | | 1.00 | 0.861 | | ug/L | | 86 | 65 - 135 | 2 | 14 |

## Method: 515.3 - Herbicides (GC)

**Lab Sample ID: MB 810-15291/1-B**
**Matrix: Drinking Water**
**Analysis Batch: 15378**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15291**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-TP (Silvex) | <0.10 | | 0.10 | | ug/L | | 03/22/22 07:29 | 03/22/22 18:47 | 1 |
| Dalapon | <1.0 | | 1.0 | | ug/L | | 03/22/22 07:29 | 03/22/22 18:47 | 1 |
| Dinoseb | <0.10 | | 0.10 | | ug/L | | 03/22/22 07:29 | 03/22/22 18:47 | 1 |
| Pentachlorophenol | <0.040 | | 0.040 | | ug/L | | 03/22/22 07:29 | 03/22/22 18:47 | 1 |
| Picloram | <0.10 | | 0.10 | | ug/L | | 03/22/22 07:29 | 03/22/22 18:47 | 1 |
| 2,4-D | <0.10 | | 0.10 | | ug/L | | 03/22/22 07:29 | 03/22/22 18:47 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4-Dichlorophenylacetic acid* | *102* | | *70 - 130* | *03/22/22 07:29* | *03/22/22 18:47* | *1* |

## Method: 515.3 - Herbicides (GC) (Continued)

**Lab Sample ID: LLCS 810-15291/2-B**
**Matrix: Drinking Water**
**Analysis Batch: 15378**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15291**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 2,4,5-TP (Silvex) | 0.100 | 0.0887 | J | ug/L | | 89 | 48 - 148 |
| Dicamba | 0.200 | 0.151 | | ug/L | | 75 | |
| Dinoseb | 0.200 | 0.177 | | ug/L | | 89 | 39 - 141 |
| Pentachlorophenol | 0.0400 | 0.0420 | | ug/L | | 105 | 30 - 171 |
| Picloram | 0.100 | 0.0746 | J | ug/L | | 75 | 24 - 150 |
| 2,4-D | 0.200 | 0.135 | | ug/L | | 68 | 24 - 138 |

| *Surrogate* | *LLCS %Recovery* | *LLCS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4-Dichlorophenylacetic acid* | *100* | | *70 - 130* |

**Lab Sample ID: MB 810-15484/1-B**
**Matrix: Drinking Water**
**Analysis Batch: 15555**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15484**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-TP (Silvex) | <0.10 | | 0.10 | | ug/L | | 03/24/22 08:28 | 03/25/22 11:45 | 1 |
| Dalapon | <1.0 | | 1.0 | | ug/L | | 03/24/22 08:28 | 03/25/22 11:45 | 1 |
| Dinoseb | <0.10 | | 0.10 | | ug/L | | 03/24/22 08:28 | 03/25/22 11:45 | 1 |
| Pentachlorophenol | <0.040 | | 0.040 | | ug/L | | 03/24/22 08:28 | 03/25/22 11:45 | 1 |
| Picloram | <0.10 | | 0.10 | | ug/L | | 03/24/22 08:28 | 03/25/22 11:45 | 1 |
| 2,4-D | <0.10 | | 0.10 | | ug/L | | 03/24/22 08:28 | 03/25/22 11:45 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2,4-Dichlorophenylacetic acid* | *91* | | *70 - 130* | *03/24/22 08:28* | *03/25/22 11:45* | *1* |

**Lab Sample ID: LLCS 810-15484/2-B**
**Matrix: Drinking Water**
**Analysis Batch: 15555**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15484**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 2,4,5-TP (Silvex) | 0.100 | 0.0773 | J | ug/L | | 77 | 48 - 148 |
| Dinoseb | 0.200 | 0.174 | | ug/L | | 87 | 39 - 141 |
| Pentachlorophenol | 0.0400 | 0.0380 | J | ug/L | | 95 | 30 - 171 |
| Picloram | 0.100 | 0.0731 | J | ug/L | | 73 | 24 - 150 |
| 2,4-D | 0.200 | <0.10 | | ug/L | | 48 | 24 - 138 |

| *Surrogate* | *LLCS %Recovery* | *LLCS Qualifier* | *Limits* |
|---|---|---|---|
| *2,4-Dichlorophenylacetic acid* | *90* | | *70 - 130* |

## Method: 551.1 - Chlorinated Disinfection Byproducts and Solvents (GC)

**Lab Sample ID: MB 810-15410/1-B**
**Matrix: Drinking Water**
**Analysis Batch: 15474**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15410**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | <1.0 | | 1.0 | | ug/L | | 03/23/22 10:03 | 03/24/22 01:49 | 1 |
| Dichloroacetonitrile | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 01:49 | 1 |

## Method: 551.1 - Chlorinated Disinfection Byproducts and Solvents (GC) (Continued)

**Lab Sample ID: MB 810-15410/1-B**
**Matrix: Drinking Water**
**Analysis Batch: 15474**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15410**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibromoacetonitrile | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 01:49 | 1 |
| 1,1-Dichloro-2-propanone | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 01:49 | 1 |
| Trichloroacetonitrile | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 01:49 | 1 |
| Chloroform | <1.0 | | 1.0 | | ug/L | | 03/23/22 10:03 | 03/24/22 01:49 | 1 |
| Bromoform | <1.0 | | 1.0 | | ug/L | | 03/23/22 10:03 | 03/24/22 01:49 | 1 |
| Bromodichloromethane | <1.0 | | 1.0 | | ug/L | | 03/23/22 10:03 | 03/24/22 01:49 | 1 |
| Chloropicrin | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 01:49 | 1 |
| Bromochloroacetonitrile | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 01:49 | 1 |
| 1,1,1-Trichloro-2-propanone | <0.50 | | 0.50 | | ug/L | | 03/23/22 10:03 | 03/24/22 01:49 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dibromopropane* | *108* | | | *03/23/22 10:03* | *03/24/22 01:49* | *1* |

**Lab Sample ID: LLCS 810-15410/2-B**
**Matrix: Drinking Water**
**Analysis Batch: 15474**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15410**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Dibromochloromethane | 1.00 | 1.04 | | ug/L | | 104 | 50 - 150 |
| Dichloroacetonitrile | 1.00 | 1.03 | | ug/L | | 103 | |
| Dibromoacetonitrile | 1.00 | 0.991 | | ug/L | | 99 | |
| 1,1-Dichloro-2-propanone | 1.00 | 1.07 | | ug/L | | 107 | |
| Trichloroacetonitrile | 1.00 | 0.943 | | ug/L | | 94 | |
| Chloroform | 1.00 | 0.992 | J | ug/L | | 99 | 50 - 150 |
| Bromoform | 1.00 | 1.07 | | ug/L | | 107 | 50 - 150 |
| Bromodichloromethane | 1.00 | 0.962 | J | ug/L | | 96 | 50 - 150 |
| Chloropicrin | 1.00 | 1.11 | | ug/L | | 111 | |
| Bromochloroacetonitrile | 1.00 | 1.06 | | ug/L | | 106 | |
| 1,1,1-Trichloro-2-propanone | 1.00 | 1.03 | | ug/L | | 103 | |

| *Surrogate* | *LLCS %Recovery* | *LLCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dibromopropane* | *102* | | |

## Method: 552.2 - Haloacetic Acids (HAAs) (GC)

**Lab Sample ID: MB 810-15027/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 15075**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15027**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibromoacetic acid | <1.0 | | 1.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 09:38 | 1 |
| Dichloroacetic acid | <1.0 | | 1.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 09:38 | 1 |
| Monobromoacetic acid | <1.0 | | 1.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 09:38 | 1 |
| Monochloroacetic acid | <2.0 | | 2.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 09:38 | 1 |
| Trichloroacetic acid | <1.0 | | 1.0 | | ug/L | | 03/17/22 08:11 | 03/18/22 09:38 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Bromopropionic acid (Surr)* | *93* | | *70 - 130* | *03/17/22 08:11* | *03/18/22 09:38* | *1* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 810-14912/4**
**Matrix: Drinking Water**
**Analysis Batch: 14912**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chlorite | <10 | | 10 | | ug/L | | | 03/15/22 15:30 | 1 |
| Chlorate | <10 | | 10 | | ug/L | | | 03/15/22 15:30 | 1 |
| Bromide | <10 | | 10 | | ug/L | | | 03/15/22 15:30 | 1 |

**Lab Sample ID: LCS 810-14912/5**
**Matrix: Drinking Water**
**Analysis Batch: 14912**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chlorite | 250 | 253 | | ug/L | | 101 | 90 - 110 |
| Chlorate | 250 | 246 | | ug/L | | 98 | 90 - 110 |
| Bromide | 250 | 255 | | ug/L | | 102 | 90 - 110 |

**Lab Sample ID: MB 810-14976/4**
**Matrix: Drinking Water**
**Analysis Batch: 14976**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <2.0 | | 2.0 | | mg/L | | | 03/15/22 13:38 | 1 |
| Sulfate | <5.0 | | 5.0 | | mg/L | | | 03/15/22 13:38 | 1 |

**Lab Sample ID: LCS 810-14976/5**
**Matrix: Drinking Water**
**Analysis Batch: 14976**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 10.0 | 10.3 | | mg/L | | 103 | 90 - 110 |
| Sulfate | 25.0 | 25.8 | | mg/L | | 103 | 90 - 110 |

**Lab Sample ID: 810-17720-1 MS**
**Matrix: Drinking Water**
**Analysis Batch: 14976**

**Client Sample ID: Well B**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 15 | | 10.0 | 25.1 | | mg/L | | 99 | 90 - 110 |
| Sulfate | 19 | | 25.0 | 43.7 | | mg/L | | 98 | 90 - 110 |

**Lab Sample ID: 810-17720-1 MSD**
**Matrix: Drinking Water**
**Analysis Batch: 14976**

**Client Sample ID: Well B**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 15 | | 10.0 | 25.4 | | mg/L | | 102 | 90 - 110 | 1 | 20 |
| Sulfate | 19 | | 25.0 | 44.4 | | mg/L | | 101 | 90 - 110 | 1 | 20 |

## Method: 317 - Bromate, Ion Chromatography

**Lab Sample ID: MBL 810-14989/10**
**Matrix: Drinking Water**
**Analysis Batch: 14989**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MBL Result | MBL Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | <0.19 | | 1.0 | | ug/L | | | 03/16/22 18:27 | 1 |

**Lab Sample ID: LCS 810-14989/11**
**Matrix: Drinking Water**
**Analysis Batch: 14989**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Bromate | 5.00 | 4.92 | | ug/L | | 98 | 85 - 115 |

## Method: 531.2 - Carbamate Pesticides (HPLC)

**Lab Sample ID: MBL 810-14952/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 15067**

**Client Sample ID: Method Blank**
**Prep Type: Dissolved**

| Analyte | MBL Result | MBL Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Aldicarb | <0.20 | | 0.50 | | ug/L | | | 03/18/22 19:58 | 1 |
| Aldicarb sulfone | <0.20 | | 0.70 | | ug/L | | | 03/18/22 19:58 | 1 |
| Aldicarb sulfoxide | <0.20 | | 0.50 | | ug/L | | | 03/18/22 19:58 | 1 |
| Carbofuran | <0.20 | | 0.90 | | ug/L | | | 03/18/22 19:58 | 1 |
| Oxamyl | <0.20 | | 1.0 | | ug/L | | | 03/18/22 19:58 | 1 |

## Method: 547 - Glyphosate (DAI HPLC)

**Lab Sample ID: MB 810-14840/8-A**
**Matrix: Drinking Water**
**Analysis Batch: 14891**

**Client Sample ID: Method Blank**
**Prep Type: Dissolved**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Glyphosate | <6.0 | | 6.0 | | ug/L | | | 03/15/22 19:03 | 1 |

**Lab Sample ID: LCS 810-14840/10-A**
**Matrix: Drinking Water**
**Analysis Batch: 14891**

**Client Sample ID: Lab Control Sample**
**Prep Type: Dissolved**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Glyphosate | 50.0 | 51.6 | | ug/L | | 103 | 73 - 122 |

**Lab Sample ID: LLCS 810-14840/9-A**
**Matrix: Drinking Water**
**Analysis Batch: 14891**

**Client Sample ID: Lab Control Sample**
**Prep Type: Dissolved**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Glyphosate | 6.00 | 5.85 | J | ug/L | | 97 | 42 - 160 |

## Method: 547 - Glyphosate (DAI HPLC) (Continued)

**Lab Sample ID: 810-17720-1 DU**
**Matrix: Drinking Water**
**Analysis Batch: 14891**

**Client Sample ID: Well B**
**Prep Type: Dissolved**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Glyphosate | <6.0 | | | <6.0 | | ug/L | | | | NC | 19 |

## Method: 549.2 - Diquat and Paraquat (HPLC)

**Lab Sample ID: MB 810-14934/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 15152**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 14934**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diquat | <0.40 | | 0.40 | | ug/L | | 03/16/22 06:59 | 03/18/22 15:58 | 1 |

**Lab Sample ID: LCS 810-14934/3-A**
**Matrix: Drinking Water**
**Analysis Batch: 15152**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14934**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Diquat | | | 5.00 | 4.70 | | ug/L | | 94 | 70 - 130 | | |

**Lab Sample ID: LLCS 810-14934/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 15152**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14934**

| Analyte | | | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Diquat | | | 0.400 | 0.450 | | ug/L | | 112 | 21 - 161 | | |

**Lab Sample ID: 810-17720-1 MS**
**Matrix: Drinking Water**
**Analysis Batch: 15152**

**Client Sample ID: Well B**
**Prep Type: Total/NA**
**Prep Batch: 14934**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Diquat | <0.40 | F1 | 5.00 | 2.36 | F1 | ug/L | | 47 | 70 - 130 | | |

## Method: 331.0 - Perchlorate (LC/MS/MS)

**Lab Sample ID: MBL 810-14964/12**
**Matrix: Drinking Water**
**Analysis Batch: 14964**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MBL Result | MBL Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perchlorate | <0.012 | | 0.050 | | ug/L | | | 03/17/22 16:05 | 1 |

**Lab Sample ID: LLCS 810-14964/14**
**Matrix: Drinking Water**
**Analysis Batch: 14964**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perchlorate | | | 0.0500 | 0.0507 | | ug/L | | 101 | 50 - 150 | | |

## Method: 331.0 - Perchlorate (LC/MS/MS) (Continued)

**Lab Sample ID: 810-17720-2 LMS**
**Matrix: Drinking Water**
**Analysis Batch: 14964**

**Client Sample ID: Spring**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | LMS Result | LMS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Perchlorate | 0.63 | | 0.0500 | 0.653 | 4 | ug/L | | 37 | 50 - 150 |

**Lab Sample ID: 810-17720-2 LMSD**
**Matrix: Drinking Water**
**Analysis Batch: 14964**

**Client Sample ID: Spring**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | LMSD Result | LMSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perchlorate | 0.63 | | 0.0500 | 0.655 | 4 | ug/L | | 41 | 50 - 150 | 0 | 50 |

## Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

**Lab Sample ID: MBL 810-14933/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 14981**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 14933**

| Analyte | MBL Result | MBL Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid (PFBA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluoropentanoic acid (PFPeA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluorohexanoic acid (PFHxA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluoroheptanoic acid (PFHpA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluorooctanoic acid (PFOA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluorononanoic acid (PFNA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluorodecanoic acid (PFDA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluoroundecanoic acid (PFUnA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluorododecanoic acid (PFDoA) | 0.367 | J | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | <0.60 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid | <0.50 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | <0.50 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |

## Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

**Lab Sample ID: MBL 810-14933/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 14981**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 14933**

| Analyte | MBL Result | MBL Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | <0.20 | | 2.0 | | ng/L | | 03/16/22 06:28 | 03/16/22 19:38 | 1 |

| *Isotope Dilution* | *MBL %Recovery* | *MBL Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C4 PFBA* | *98* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C5 PFPeA* | *97* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C5 PFHxA* | *99* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C4 PFHpA* | *97* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C8 PFOA* | *96* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C9 PFNA* | *104* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C6 PFDA* | *102* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C7 PFUnA* | *93* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C2 PFDoA* | *90* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C3 HFPO-DA* | *95* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C3 PFBS* | *93* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C8 PFOS* | *95* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C2-4:2-FTS* | *90* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C2-6:2-FTS* | *90* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C2-8:2-FTS* | *90* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |
| *13C3 PFHxS* | *94* | | *50 - 200* | *03/16/22 06:28* | *03/16/22 19:38* | *1* |

**Lab Sample ID: LLCS 810-14933/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 14981**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14933**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid (PFBA) | 2.00 | 2.02 | | ng/L | | 101 | 50 - 150 |
| Perfluoropentanoic acid (PFPeA) | 2.00 | 2.07 | | ng/L | | 104 | 50 - 150 |
| Perfluorohexanoic acid (PFHxA) | 2.00 | 1.91 | J | ng/L | | 96 | 50 - 150 |
| Perfluoroheptanoic acid (PFHpA) | 2.00 | 2.02 | | ng/L | | 101 | 50 - 150 |
| Perfluorooctanoic acid (PFOA) | 2.00 | 1.96 | J | ng/L | | 98 | 50 - 150 |
| Perfluorononanoic acid (PFNA) | 2.00 | 1.92 | J | ng/L | | 96 | 50 - 150 |
| Perfluorodecanoic acid (PFDA) | 2.00 | 2.03 | | ng/L | | 102 | 50 - 150 |
| Perfluoroundecanoic acid (PFUnA) | 2.00 | 1.94 | J | ng/L | | 97 | 50 - 150 |
| Perfluorododecanoic acid (PFDoA) | 2.00 | 1.97 | J | ng/L | | 99 | 50 - 150 |
| Perfluorobutanesulfonic acid (PFBS) | 1.77 | 1.75 | J | ng/L | | 99 | 50 - 150 |
| Perfluoropentanesulfonic acid (PFPeS) | 1.88 | 1.92 | J | ng/L | | 102 | 50 - 150 |
| Perfluorohexanesulfonic acid (PFHxS) | 1.82 | 1.70 | J | ng/L | | 93 | 50 - 150 |
| Perfluoroheptanesulfonic acid (PFHpS) | 1.90 | 1.78 | J | ng/L | | 93 | 50 - 150 |
| Perfluorooctanesulfonic acid (PFOS) | 1.85 | 1.76 | J | ng/L | | 95 | 50 - 150 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | 1.78 | 1.78 | J | ng/L | | 100 | 50 - 150 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | 1.87 | 2.01 | | ng/L | | 107 | 50 - 150 |

## Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

**Lab Sample ID: LLCS 810-14933/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 14981**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14933**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | 1.90 | 1.98 | J | ng/L | | 104 | 50 - 150 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | 1.92 | 1.94 | J | ng/L | | 101 | 50 - 150 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | 2.00 | 1.95 | J | ng/L | | 98 | 50 - 150 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 1.89 | 1.86 | J | ng/L | | 98 | 50 - 150 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid | 1.86 | 1.81 | J | ng/L | | 97 | 50 - 150 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 1.88 | 1.65 | J | ng/L | | 87 | 50 - 150 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 2.00 | 1.76 | J | ng/L | | 88 | 50 - 150 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 2.00 | 1.79 | J | ng/L | | 90 | 50 - 150 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 2.00 | 1.94 | J | ng/L | | 97 | 50 - 150 |

| *Isotope Dilution* | *LLCS %Recovery* | *LLCS Qualifier* | *Limits* |
|---|---|---|---|
| *13C4 PFBA* | *97* | | *50 - 200* |
| *13C5 PFPeA* | *97* | | *50 - 200* |
| *13C5 PFHxA* | *99* | | *50 - 200* |
| *13C4 PFHpA* | *97* | | *50 - 200* |
| *13C8 PFOA* | *98* | | *50 - 200* |
| *13C9 PFNA* | *105* | | *50 - 200* |
| *13C6 PFDA* | *100* | | *50 - 200* |
| *13C7 PFUnA* | *94* | | *50 - 200* |
| *13C2 PFDoA* | *93* | | *50 - 200* |
| *13C3 HFPO-DA* | *96* | | *50 - 200* |
| *13C3 PFBS* | *90* | | *50 - 200* |
| *13C8 PFOS* | *92* | | *50 - 200* |
| *13C2-4:2-FTS* | *92* | | *50 - 200* |
| *13C2-6:2-FTS* | *95* | | *50 - 200* |
| *13C2-8:2-FTS* | *96* | | *50 - 200* |
| *13C3 PFHxS* | *90* | | *50 - 200* |

## Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)

**Lab Sample ID: MBL 810-14935/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 15034**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 14935**

| Analyte | MBL Result | MBL Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctanesulfonic acid (PFOS) | <0.40 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| Perfluoroundecanoic acid (PFUnA) | <0.50 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| Perfluorohexanoic acid (PFHxA) | <0.40 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| Perfluorododecanoic acid (PFDoA) | <0.40 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| Perfluorooctanoic acid (PFOA) | <0.40 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| Perfluorodecanoic acid (PFDA) | <0.50 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | <0.50 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |

## Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

**Lab Sample ID: MBL 810-14935/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 15034**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 14935**

| Analyte | MBL Result | MBL Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanesulfonic acid (PFBS) | <0.40 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| Perfluoroheptanoic acid (PFHpA) | <0.40 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| Perfluorononanoic acid (PFNA) | <0.50 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| Perfluorotetradecanoic acid (PFTeDA) | <0.60 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | <0.50 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | <0.50 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | <0.60 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | <0.50 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid | <0.50 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | <0.50 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | <0.61 | | 2.0 | | ng/L | | 03/16/22 07:55 | 03/17/22 15:37 | 1 |

| *Surrogate* | *MBL %Recovery* | *MBL Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFHxA* | *101* | | *70 - 130* | *03/16/22 07:55* | *03/17/22 15:37* | *1* |
| *13C2 PFDA* | *98* | | *70 - 130* | *03/16/22 07:55* | *03/17/22 15:37* | *1* |
| *13C3 HFPO-DA* | *99* | | *70 - 130* | *03/16/22 07:55* | *03/17/22 15:37* | *1* |
| *d5-NEtFOSAA* | *97* | | *70 - 130* | *03/16/22 07:55* | *03/17/22 15:37* | *1* |

**Lab Sample ID: LLCS 810-14935/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 15034**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14935**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Perfluorooctanesulfonic acid (PFOS) | 1.98 | 2.21 | | ng/L | | 112 | 50 - 150 |
| Perfluoroundecanoic acid (PFUnA) | 1.98 | 2.33 | | ng/L | | 118 | 50 - 150 |
| Perfluorohexanoic acid (PFHxA) | 1.98 | 2.40 | | ng/L | | 121 | 50 - 150 |
| Perfluorododecanoic acid (PFDoA) | 1.98 | 2.27 | | ng/L | | 114 | 50 - 150 |
| Perfluorooctanoic acid (PFOA) | 1.98 | 2.28 | | ng/L | | 115 | 50 - 150 |
| Perfluorodecanoic acid (PFDA) | 1.98 | 2.27 | | ng/L | | 115 | 50 - 150 |
| Perfluorohexanesulfonic acid (PFHxS) | 1.98 | 2.17 | | ng/L | | 110 | 50 - 150 |
| Perfluorobutanesulfonic acid (PFBS) | 1.98 | 2.13 | | ng/L | | 108 | 50 - 150 |
| Perfluoroheptanoic acid (PFHpA) | 1.98 | 2.49 | | ng/L | | 126 | 50 - 150 |
| Perfluorononanoic acid (PFNA) | 1.98 | 2.48 | | ng/L | | 125 | 50 - 150 |
| Perfluorotetradecanoic acid (PFTeDA) | 1.98 | 2.17 | | ng/L | | 110 | 50 - 150 |
| Perfluorotridecanoic acid (PFTrDA) | 1.98 | 2.23 | | ng/L | | 113 | 50 - 150 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | 1.98 | 2.00 | | ng/L | | 101 | 50 - 150 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | 1.98 | 2.21 | | ng/L | | 112 | 50 - 150 |

## Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

**Lab Sample ID: LLCS 810-14935/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 15034**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 14935**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | 1.98 | 2.31 | | ng/L | | 117 | 50 - 150 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid | 1.98 | 1.99 | J | ng/L | | 101 | 50 - 150 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | 1.98 | 1.99 | J | ng/L | | 100 | 50 - 150 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 1.98 | 2.36 | | ng/L | | 119 | 50 - 150 |

| *Surrogate* | *LLCS %Recovery* | *LLCS Qualifier* | *Limits* |
|---|---|---|---|
| *13C2 PFHxA* | *107* | | *70 - 130* |
| *13C2 PFDA* | *101* | | *70 - 130* |
| *13C3 HFPO-DA* | *98* | | *70 - 130* |
| *d5-NEtFOSAA* | *94* | | *70 - 130* |

## Method: 1613B - Tetra Chlorinated Dioxin in Drinking Water

**Lab Sample ID: MB 410-236037/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 236375**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 236037**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | <4.0 | | 4.0 | | pg/L | | 03/21/22 15:00 | 03/22/22 18:52 | 1 |

| *Isotope Dilution* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C-2,3,7,8-TCDD* | *91* | | *25 - 164* | *03/21/22 15:00* | *03/22/22 18:52* | *1* |

**Lab Sample ID: LCS 410-236037/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 236375**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 236037**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | 2.00 | 1.36 | J | pg/L | | 68 | 67 - 158 |

| *Isotope Dilution* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *13C-2,3,7,8-TCDD* | *93* | | *20 - 175* |

## Method: 200.7 - Metals (ICP)

**Lab Sample ID: MB 810-15167/12**
**Matrix: Drinking Water**
**Analysis Batch: 15167**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Sodium | <0.10 | | 0.10 | | mg/L | | | 03/18/22 14:22 | 1 |
| Magnesium | <0.10 | | 0.10 | | mg/L | | | 03/18/22 14:22 | 1 |
| Iron | <0.020 | | 0.020 | | mg/L | | | 03/18/22 14:22 | 1 |
| Calcium | <0.10 | | 0.10 | | mg/L | | | 03/18/22 14:22 | 1 |

## Method: 200.7 - Metals (ICP) (Continued)

**Lab Sample ID: MB 810-15167/44**
**Matrix: Drinking Water**
**Analysis Batch: 15167**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Sodium | <0.10 | | 0.10 | | mg/L | | | 03/18/22 15:31 | 1 |
| Magnesium | <0.10 | | 0.10 | | mg/L | | | 03/18/22 15:31 | 1 |
| Iron | <0.020 | | 0.020 | | mg/L | | | 03/18/22 15:31 | 1 |
| Calcium | <0.10 | | 0.10 | | mg/L | | | 03/18/22 15:31 | 1 |

**Lab Sample ID: LCS 810-15167/15**
**Matrix: Drinking Water**
**Analysis Batch: 15167**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Sodium | 5.00 | 5.01 | | mg/L | | 100 | 85 - 115 |
| Silica | 5.00 | 4.92 | | mg/L | | 98 | 85 - 115 |
| Potassium | 5.00 | 5.02 | | mg/L | | 100 | 85 - 115 |
| Magnesium | 5.00 | 5.06 | | mg/L | | 101 | 85 - 115 |
| Iron | 5.00 | 5.00 | | mg/L | | 100 | 85 - 115 |
| Calcium | 5.00 | 5.03 | | mg/L | | 101 | 85 - 115 |

**Lab Sample ID: LLCS 810-15167/11**
**Matrix: Drinking Water**
**Analysis Batch: 15167**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Sodium | 0.0100 | <0.022 | | mg/L | | 99 | 50 - 150 |
| Silica | 0.0200 | <0.019 | | mg/L | | 93 | 50 - 150 |
| Potassium | 0.0100 | <0.015 | | mg/L | | 121 | 50 - 150 |
| Magnesium | 0.0100 | 0.0106 | J | mg/L | | 106 | 50 - 150 |
| Iron | 0.0100 | <0.012 | | mg/L | | 117 | 50 - 150 |
| Calcium | 0.0100 | <0.020 | | mg/L | | 107 | 50 - 150 |

**Lab Sample ID: LLCS 810-15167/13**
**Matrix: Drinking Water**
**Analysis Batch: 15167**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Sodium | 0.100 | 0.0952 | J | mg/L | | 95 | 50 - 150 |
| Silica | 0.100 | 0.0922 | J | mg/L | | 92 | 50 - 150 |
| Potassium | 0.100 | 0.0967 | J | mg/L | | 97 | 50 - 150 |
| Magnesium | 0.100 | 0.0953 | J | mg/L | | 95 | 50 - 150 |
| Calcium | 0.100 | 0.0858 | J | mg/L | | 86 | 50 - 150 |

**Lab Sample ID: 810-17720-1 MS**
**Matrix: Drinking Water**
**Analysis Batch: 15167**

**Client Sample ID: Well B**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Sodium | 6.7 | | 5.00 | 11.9 | | mg/L | | 105 | 70 - 130 |
| Silica | 9.5 | | 5.00 | 14.5 | | mg/L | | 101 | 70 - 130 |
| Potassium | 2.2 | | 5.00 | 7.50 | | mg/L | | 106 | 70 - 130 |
| Magnesium | 16 | | 5.00 | 20.7 | | mg/L | | 95 | 70 - 130 |

## Method: 200.7 - Metals (ICP) (Continued)

**Lab Sample ID: 810-17720-1 MS**
**Matrix: Drinking Water**
**Analysis Batch: 15167**

**Client Sample ID: Well B**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Iron | <0.020 | | 5.00 | 4.98 | | mg/L | | 100 | 70 - 130 |
| Calcium | 110 | | 5.00 | 113 | 4 | mg/L | | 72 | 70 - 130 |

**Lab Sample ID: 810-17720-1 MSD**
**Matrix: Drinking Water**
**Analysis Batch: 15167**

**Client Sample ID: Well B**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium | 6.7 | | 5.00 | 11.9 | | mg/L | | 105 | 70 - 130 | 0 | 20 |
| Silica | 9.5 | | 5.00 | 14.5 | | mg/L | | 100 | 70 - 130 | 0 | 20 |
| Potassium | 2.2 | | 5.00 | 7.49 | | mg/L | | 106 | 70 - 130 | 0 | 20 |
| Magnesium | 16 | | 5.00 | 20.6 | | mg/L | | 94 | 70 - 130 | 0 | 20 |
| Iron | <0.020 | | 5.00 | 4.97 | | mg/L | | 99 | 70 - 130 | 0 | 20 |
| Calcium | 110 | | 5.00 | 113 | 4 | mg/L | | 70 | 70 - 130 | 0 | 20 |

## Method: 200.8 - Metals (ICP/MS)

**Lab Sample ID: MB 810-15088/11**
**Matrix: Drinking Water**
**Analysis Batch: 15088**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Antimony | <1.0 | | 1.0 | | ug/L | | | 03/17/22 15:21 | 1 |
| Arsenic | <1.0 | | 1.0 | | ug/L | | | 03/17/22 15:21 | 1 |
| Barium | <2.0 | | 2.0 | | ug/L | | | 03/17/22 15:21 | 1 |
| Beryllium | <0.30 | | 0.30 | | ug/L | | | 03/17/22 15:21 | 1 |
| Cadmium | <0.50 | | 0.50 | | ug/L | | | 03/17/22 15:21 | 1 |
| Chromium | <0.90 | | 0.90 | | ug/L | | | 03/17/22 15:21 | 1 |
| Copper | <1.0 | | 1.0 | | ug/L | | | 03/17/22 15:21 | 1 |
| Lead | <0.50 | | 0.50 | | ug/L | | | 03/17/22 15:21 | 1 |
| Manganese | <2.0 | | 2.0 | | ug/L | | | 03/17/22 15:21 | 1 |
| Nickel | <1.0 | | 1.0 | | ug/L | | | 03/17/22 15:21 | 1 |
| Selenium | <2.0 | | 2.0 | | ug/L | | | 03/17/22 15:21 | 1 |
| Silver | <0.50 | | 0.50 | | ug/L | | | 03/17/22 15:21 | 1 |
| Thallium | <0.30 | | 0.30 | | ug/L | | | 03/17/22 15:21 | 1 |
| Zinc | <5.0 | | 5.0 | | ug/L | | | 03/17/22 15:21 | 1 |

**Lab Sample ID: LCS 810-15088/15**
**Matrix: Drinking Water**
**Analysis Batch: 15088**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Aluminum | 50.0 | 52.7 | | ug/L | | 105 | 85 - 115 |
| Antimony | 50.0 | 48.4 | | ug/L | | 97 | 85 - 115 |
| Arsenic | 50.0 | 48.9 | | ug/L | | 98 | 85 - 115 |
| Barium | 50.0 | 47.7 | | ug/L | | 95 | 85 - 115 |
| Beryllium | 50.0 | 49.4 | | ug/L | | 99 | 85 - 115 |
| Boron | 50.0 | 49.2 | | ug/L | | 98 | 85 - 115 |
| Cadmium | 50.0 | 48.5 | | ug/L | | 97 | 85 - 115 |
| Chromium | 50.0 | 48.4 | | ug/L | | 97 | 85 - 115 |

## Method: 200.8 - Metals (ICP/MS) (Continued)

**Lab Sample ID: LCS 810-15088/15**
**Matrix: Drinking Water**
**Analysis Batch: 15088**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Cobalt | 50.0 | 48.5 | | ug/L | | 97 | 85 - 115 |
| Copper | 50.0 | 48.5 | | ug/L | | 97 | 85 - 115 |
| Lead | 50.0 | 51.0 | | ug/L | | 102 | 85 - 115 |
| Lithium | 50.0 | 50.1 | | ug/L | | 100 | 85 - 115 |
| Manganese | 50.0 | 48.6 | | ug/L | | 97 | 85 - 115 |
| Molybdenum | 50.0 | 48.4 | | ug/L | | 97 | 85 - 115 |
| Nickel | 50.0 | 49.3 | | ug/L | | 99 | 85 - 115 |
| Selenium | 50.0 | 48.2 | | ug/L | | 96 | 85 - 115 |
| Silver | 50.0 | 47.8 | | ug/L | | 96 | 85 - 115 |
| Strontium | 50.0 | 52.6 | | ug/L | | 105 | 85 - 115 |
| Thallium | 50.0 | 48.2 | | ug/L | | 96 | 85 - 115 |
| Thorium | 50.0 | 47.2 | | ug/L | | 94 | 85 - 115 |
| Tin | 50.0 | 48.5 | | ug/L | | 97 | 85 - 115 |
| Titanium | 50.0 | 48.8 | | ug/L | | 98 | 85 - 115 |
| Uranium | 50.0 | 48.4 | | ug/L | | 97 | 85 - 115 |
| Vanadium | 50.0 | 48.3 | | ug/L | | 97 | 85 - 115 |
| Zinc | 50.0 | 48.8 | | ug/L | | 98 | 85 - 115 |

**Lab Sample ID: LLCS 810-15088/13**
**Matrix: Drinking Water**
**Analysis Batch: 15088**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Antimony | 1.00 | 0.966 | J | ug/L | | 97 | 50 - 150 |
| Arsenic | 1.00 | 1.06 | | ug/L | | 106 | 50 - 150 |
| Barium | 1.00 | 0.889 | J | ug/L | | 89 | 50 - 150 |
| Cobalt | 1.00 | 0.933 | J | ug/L | | 93 | 50 - 150 |
| Copper | 1.00 | 0.957 | J | ug/L | | 96 | 50 - 150 |
| Lithium | 1.00 | 1.04 | J | ug/L | | 104 | 50 - 150 |
| Manganese | 1.00 | 0.970 | J | ug/L | | 97 | 50 - 150 |
| Molybdenum | 1.00 | 0.976 | J | ug/L | | 98 | 50 - 150 |
| Nickel | 1.00 | 0.998 | J | ug/L | | 100 | 50 - 150 |
| Selenium | 1.00 | <1.6 | | ug/L | | 113 | 50 - 150 |
| Strontium | 1.00 | 1.04 | J | ug/L | | 104 | 50 - 150 |
| Thorium | 1.00 | 0.889 | J | ug/L | | 89 | 50 - 150 |
| Tin | 1.00 | 0.935 | J | ug/L | | 94 | 50 - 150 |
| Titanium | 1.00 | 0.920 | J | ug/L | | 92 | 50 - 150 |
| Uranium | 1.00 | 0.916 | J | ug/L | | 92 | 50 - 150 |
| Vanadium | 1.00 | 0.840 | J | ug/L | | 84 | 50 - 150 |
| Zinc | 1.00 | <2.3 | | ug/L | | 106 | 50 - 150 |

**Lab Sample ID: LLCS 810-15088/20**
**Matrix: Drinking Water**
**Analysis Batch: 15088**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Aluminum | 0.300 | <1.5 | | ug/L | | 118 | 50 - 150 |
| Antimony | 0.300 | 0.288 | J | ug/L | | 96 | 50 - 150 |
| Arsenic | 0.300 | <0.89 | | ug/L | | 120 | 50 - 150 |

## Method: 200.8 - Metals (ICP/MS) (Continued)

**Lab Sample ID: LLCS 810-15088/20**
**Matrix: Drinking Water**
**Analysis Batch: 15088**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Barium | 0.300 | 0.334 | J | ug/L | | 111 | 50 - 150 |
| Beryllium | 0.300 | 0.349 | | ug/L | | 116 | 50 - 150 |
| Cadmium | 0.300 | 0.320 | J | ug/L | | 107 | 50 - 150 |
| Chromium | 0.300 | <0.31 | | ug/L | | 94 | 50 - 150 |
| Cobalt | 0.300 | 0.319 | J | ug/L | | 106 | 50 - 150 |
| Copper | 0.300 | <0.55 | | ug/L | | 112 | 50 - 150 |
| Lead | 0.300 | 0.344 | J | ug/L | | 115 | 50 - 150 |
| Manganese | 0.300 | 0.357 | J | ug/L | | 119 | 50 - 150 |
| Molybdenum | 0.300 | 0.298 | J | ug/L | | 99 | 50 - 150 |
| Nickel | 0.300 | 0.318 | J | ug/L | | 106 | 50 - 150 |
| Selenium | 0.300 | <1.6 | | ug/L | | 135 | 50 - 150 |
| Silver | 0.300 | 0.304 | J | ug/L | | 101 | 50 - 150 |
| Strontium | 0.300 | 0.372 | J | ug/L | | 124 | 50 - 150 |
| Thallium | 0.300 | 0.329 | | ug/L | | 110 | 50 - 150 |
| Thorium | 0.300 | 0.261 | J | ug/L | | 87 | 50 - 150 |
| Tin | 0.300 | 0.310 | J | ug/L | | 103 | 50 - 150 |
| Titanium | 0.300 | <0.70 | | ug/L | | 93 | 50 - 150 |
| Uranium | 0.300 | 0.319 | J | ug/L | | 106 | 50 - 150 |
| Vanadium | 0.300 | 0.332 | J | ug/L | | 111 | 50 - 150 |
| Zinc | 0.300 | <2.3 | | ug/L | | 127 | 50 - 150 |

**Lab Sample ID: LLCS 810-15088/22**
**Matrix: Drinking Water**
**Analysis Batch: 15088**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Boron | 5.00 | 5.71 | | ug/L | | 114 | 50 - 150 |
| Titanium | 5.00 | 4.93 | J | ug/L | | 99 | 50 - 150 |
| Zinc | 5.00 | 5.01 | | ug/L | | 100 | 50 - 150 |

## Method: 245.1 - Mercury (CVAA)

**Lab Sample ID: MB 810-15129/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 15170**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15129**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | <0.10 | | 0.10 | | ug/L | | 03/18/22 11:54 | 03/18/22 15:40 | 1 |

**Lab Sample ID: LCS 810-15129/3-A**
**Matrix: Drinking Water**
**Analysis Batch: 15170**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15129**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 1.00 | 1.09 | | ug/L | | 109 | 85 - 115 |

## Method: 245.1 - Mercury (CVAA) (Continued)

**Lab Sample ID: LLCS 810-15129/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 15170**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15129**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Mercury | 0.100 | 0.103 | | ug/L | | 103 | 50 - 150 |

## Method: 150.1 - pH (Electrometric)

**Lab Sample ID: LCSSRM 810-14683/4**
**Matrix: Drinking Water**
**Analysis Batch: 14683**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| pH | 9.00 | 9.1 | | SU | | 100.9 | 98.9 - 101.1 |

**Lab Sample ID: LCSSRM 810-14683/9**
**Matrix: Drinking Water**
**Analysis Batch: 14683**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| pH | 9.00 | 9.0 | | SU | | 100.1 | 98.9 - 101.1 |

## Method: 180.1 - Turbidity, Nephelometric

**Lab Sample ID: MB 810-14701/4**
**Matrix: Drinking Water**
**Analysis Batch: 14701**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Turbidity | <0.10 | | 0.10 | | NTU | | | 03/11/22 15:56 | 1 |

**Lab Sample ID: LLCS 810-14701/3**
**Matrix: Drinking Water**
**Analysis Batch: 14701**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Turbidity | 0.116 | 0.10 | | NTU | | 99 | 50 - 150 |

## Method: 335.4 - Cyanide, Total

**Lab Sample ID: MB 810-15099/30-A**
**Matrix: Drinking Water**
**Analysis Batch: 15128**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15099**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | <0.0050 | | 0.0050 | | mg/L | | 03/18/22 06:45 | 03/18/22 11:05 | 1 |

**Lab Sample ID: MB 810-15099/4-A**
**Matrix: Drinking Water**
**Analysis Batch: 15128**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15099**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | <0.0050 | | 0.0050 | | mg/L | | 03/18/22 06:45 | 03/18/22 10:37 | 1 |

## Method: 335.4 - Cyanide, Total (Continued)

**Lab Sample ID: LCS 810-15099/29-A**
**Matrix: Drinking Water**
**Analysis Batch: 15128**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15099**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.100 | 0.100 | | mg/L | | 100 | 90 - 110 |

**Lab Sample ID: LLCS 810-15099/3-A**
**Matrix: Drinking Water**
**Analysis Batch: 15128**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15099**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.00500 | 0.00510 | | mg/L | | 102 | 80 - 120 |

**Lab Sample ID: MB 810-15406/4-A**
**Matrix: Drinking Water**
**Analysis Batch: 15441**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15406**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | <0.0050 | | 0.0050 | | mg/L | | 03/23/22 10:14 | 03/23/22 13:11 | 1 |

**Lab Sample ID: LCS 810-15406/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 15441**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15406**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.100 | 0.0967 | | mg/L | | 97 | 90 - 110 |

**Lab Sample ID: LLCS 810-15406/3-A**
**Matrix: Drinking Water**
**Analysis Batch: 15441**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15406**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Cyanide, Total | 0.00500 | 0.00470 | J | mg/L | | 94 | 80 - 120 |

**Lab Sample ID: 810-17720-2 MS**
**Matrix: Drinking Water**
**Analysis Batch: 15441**

**Client Sample ID: Spring**
**Prep Type: Total/NA**
**Prep Batch: 15406**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | <0.0050 | | 0.100 | 0.0968 | | mg/L | | 97 | 90 - 110 |

**Lab Sample ID: 810-17720-2 MSD**
**Matrix: Drinking Water**
**Analysis Batch: 15441**

**Client Sample ID: Spring**
**Prep Type: Total/NA**
**Prep Batch: 15406**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | <0.0050 | | 0.100 | 0.0978 | | mg/L | | 98 | 90 - 110 | 1 | 20 |

## Method: 353.2 - Nitrogen, Nitrate-Nitrite

**Lab Sample ID: MB 810-14893/19**
**Matrix: Drinking Water**
**Analysis Batch: 14893**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrite as N | <0.010 | | 0.010 | | mg/L | | | 03/15/22 09:41 | 1 |

**Lab Sample ID: LCS 810-14893/15**
**Matrix: Drinking Water**
**Analysis Batch: 14893**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrite as N | 0.200 | 0.205 | | mg/L | | 102 | 90 - 110 |

**Lab Sample ID: LLCS 810-14893/18**
**Matrix: Drinking Water**
**Analysis Batch: 14893**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrite as N | 0.0100 | 0.00970 | J | mg/L | | 97 | 50 - 150 |

**Lab Sample ID: MB 810-14894/20**
**Matrix: Drinking Water**
**Analysis Batch: 14894**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate Nitrite as N | <0.10 | | 0.10 | | mg/L | | | 03/15/22 14:10 | 1 |

**Lab Sample ID: LCS 810-14894/16**
**Matrix: Drinking Water**
**Analysis Batch: 14894**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrate Nitrite as N | 4.00 | 4.15 | | mg/L | | 104 | 90 - 110 |

**Lab Sample ID: LLCS 810-14894/19**
**Matrix: Drinking Water**
**Analysis Batch: 14894**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrate Nitrite as N | 0.100 | 0.0834 | J | mg/L | | 83 | 50 - 150 |

## Method: 420.4 - Phenolics, Total Recoverable

**Lab Sample ID: MB 410-236798/28**
**Matrix: Water**
**Analysis Batch: 236798**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Phenols, Total | <0.020 | | 0.020 | | mg/L | | | 03/23/22 10:00 | 1 |

## Method: 420.4 - Phenolics, Total Recoverable (Continued)

**Lab Sample ID: LCS 410-236798/26**
**Matrix: Water**
**Analysis Batch: 236798**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Phenols, Total | | | 0.250 | 0.244 | | mg/L | | 97 | 90 - 110 | | |

**Lab Sample ID: LCSD 410-236798/27**
**Matrix: Water**
**Analysis Batch: 236798**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Phenols, Total | | | 0.250 | 0.248 | | mg/L | | 99 | 90 - 110 | 2 | 6 |

## Method: 4500 Cl F Amine - Chloramines

**Lab Sample ID: MB 810-14705/1**
**Matrix: Drinking Water**
**Analysis Batch: 14705**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Monochloramine | <0.10 | | 0.10 | | mg/L | | | 03/11/22 16:25 | 1 |
| Dichloramine | <0.10 | | 0.10 | | mg/L | | | 03/11/22 16:25 | 1 |
| Nitrogen trichloride | <0.20 | | 0.20 | | mg/L | | | 03/11/22 16:25 | 1 |
| Chloramines, Total | <0.20 | | 0.20 | | mg/L | | | 03/11/22 16:25 | 1 |

**Lab Sample ID: MB 810-14705/4**
**Matrix: Drinking Water**
**Analysis Batch: 14705**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Monochloramine | <0.10 | | 0.10 | | mg/L | | | 03/11/22 16:34 | 1 |
| Dichloramine | <0.10 | | 0.10 | | mg/L | | | 03/11/22 16:34 | 1 |
| Nitrogen trichloride | <0.20 | | 0.20 | | mg/L | | | 03/11/22 16:34 | 1 |
| Chloramines, Total | <0.20 | | 0.20 | | mg/L | | | 03/11/22 16:34 | 1 |

## Method: 4500 Cl G - Chlorine, Free

**Lab Sample ID: MB 810-14760/6**
**Matrix: Drinking Water**
**Analysis Batch: 14760**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Free Chlorine | <0.50 | | 0.50 | | mg/L | | | 03/11/22 18:17 | 1 |

**Lab Sample ID: LCS 810-14760/5**
**Matrix: Drinking Water**
**Analysis Batch: 14760**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Free Chlorine | | | 1.00 | 0.982 | | mg/L | | 98 | 85 - 113 | | |

## Method: 4500 Cl G - Chlorine, Free (Continued)

**Lab Sample ID: LLCS 810-14760/4**
**Matrix: Drinking Water**
**Analysis Batch: 14760**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Free Chlorine | | | 0.0502 | 0.0500 | J | mg/L | | 100 | 50 - 150 | | |

**Lab Sample ID: 810-17720-1 DU**
**Matrix: Drinking Water**
**Analysis Batch: 14760**

**Client Sample ID: Well B**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Free Chlorine | <0.50 | HF | | <0.50 | | mg/L | | | | NC | 20 |

## Method: 4500 ClO2 D - Chlorine Dioxide

**Lab Sample ID: MB 810-14865/1**
**Matrix: Drinking Water**
**Analysis Batch: 14865**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Chlorine dioxide, Residual | <0.24 | | 0.24 | | | mg/L | | | 03/11/22 17:10 | 1 |

**Lab Sample ID: MB 810-14865/6**
**Matrix: Drinking Water**
**Analysis Batch: 14865**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Chlorine dioxide, Residual | <0.24 | | 0.24 | | | mg/L | | | 03/11/22 17:10 | 1 |

**Lab Sample ID: LCS 810-14865/2**
**Matrix: Drinking Water**
**Analysis Batch: 14865**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorine dioxide, Residual | | | 0.00200 | <0.24 | | mg/L | | 0 | | | |

## Method: 5540C - 2011 - Methlyene Blue Active Substant (MBAS)

**Lab Sample ID: MB 410-235424/3**
**Matrix: Water**
**Analysis Batch: 235424**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| MBAS | <0.12 | | 0.12 | | mg/L LAS MW320 | | | 03/19/22 03:58 | 1 |

**Lab Sample ID: LCS 410-235424/5**
**Matrix: Water**
**Analysis Batch: 235424**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MBAS | | | 1.00 | 0.966 | | mg/L LAS MW320 | | 97 | 85 - 102 | | |

## Method: 5540C - 2011 - Methlyene Blue Active Substant (MBAS) (Continued)

**Lab Sample ID: LCSD 410-235424/6**
**Matrix: Water**
**Analysis Batch: 235424**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MBAS | | | 1.00 | 0.984 | | mg/L LAS MW320 | | 98 | 85 - 102 | 2 | 6 |

## Method: SM 2120B - Color, Colorimetric

**Lab Sample ID: MB 810-14691/10**
**Matrix: Drinking Water**
**Analysis Batch: 14691**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Color, Apparent | <5.0 | | 5.0 | | Color Units | | | 03/11/22 15:18 | 1 |

**Lab Sample ID: LCSSRM 810-14691/11**
**Matrix: Drinking Water**
**Analysis Batch: 14691**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Color, Apparent | | | 20.0 | 20.0 | | Color Units | | 100.0 | 100. - 100. 0 0 | | |

## Method: SM 2150B - Odor

**Lab Sample ID: MB 810-14758/1**
**Matrix: Drinking Water**
**Analysis Batch: 14758**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Odor | <1.0 | | 1.0 | | T.O.N. | | | 03/11/22 14:48 | 1 |

## Method: SM 2320B - Alkalinity

**Lab Sample ID: MB 810-15176/9**
**Matrix: Drinking Water**
**Analysis Batch: 15176**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | <1.0 | | 1.0 | | mg/L | | | 03/18/22 18:33 | 1 |
| Alkalinity, Total | <1.0 | | 1.0 | | mg/L | | | 03/18/22 18:33 | 1 |

**Lab Sample ID: LCS 810-15176/7**
**Matrix: Drinking Water**
**Analysis Batch: 15176**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total | | | 100 | 90.2 | | mg/L | | 90 | 78 - 114 | | |

## Method: SM 2320B - Alkalinity (Continued)

**Lab Sample ID: LLCS 810-15176/8**
**Matrix: Drinking Water**
**Analysis Batch: 15176**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Alkalinity, Total | 1.00 | <1.0 | | mg/L | | 56 | 50 - 150 |

## Method: SM 2510B - Conductivity, Specific Conductance

**Lab Sample ID: LCS 810-15021/4**
**Matrix: Drinking Water**
**Analysis Batch: 15021**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 998 | 986 | | uS/cm | | 99 | 90 - 110 |

**Lab Sample ID: LLCS 810-15021/3**
**Matrix: Drinking Water**
**Analysis Batch: 15021**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 9.91 | 11.2 | | uS/cm | | 113 | 80 - 120 |

**Lab Sample ID: 810-17720-1 DU**
**Matrix: Drinking Water**
**Analysis Batch: 15021**

**Client Sample ID: Well B**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Specific Conductance | 690 | | 682 | | uS/cm | | 0.8 | 20 |

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 810-15041/1**
**Matrix: Drinking Water**
**Analysis Batch: 15041**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | <10 | | 10 | | mg/L | | | 03/17/22 10:14 | 1 |

**Lab Sample ID: LCS 810-15041/2**
**Matrix: Drinking Water**
**Analysis Batch: 15041**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | 986 | | mg/L | | 99 | 85 - 115 |

**Lab Sample ID: 810-17720-1 DU**
**Matrix: Drinking Water**
**Analysis Batch: 15041**

**Client Sample ID: Well B**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 380 | | 378 | | mg/L | | 0.5 | 10 |

## Method: SM 2540D - Solids, Total Suspended (TSS)

**Lab Sample ID: MB 810-14988/1**
**Matrix: Drinking Water**
**Analysis Batch: 14988**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | <10 | | 10 | | mg/L | | | 03/16/22 14:06 | 1 |

**Lab Sample ID: LCS 810-14988/2**
**Matrix: Drinking Water**
**Analysis Batch: 14988**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | | | 100 | 90.0 | | mg/L | | 90 | 75 - 105 | | |

## Method: SM 4500 F C - Fluoride

**Lab Sample ID: MB 810-15119/6**
**Matrix: Drinking Water**
**Analysis Batch: 15119**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Fluoride | <0.050 | | 0.050 | | mg/L | | | 03/18/22 07:16 | 1 |

**Lab Sample ID: LCS 810-15119/4**
**Matrix: Drinking Water**
**Analysis Batch: 15119**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | | | 2.00 | 2.19 | | mg/L | | 110 | 90 - 110 | | |

**Lab Sample ID: LLCS 810-15119/5**
**Matrix: Drinking Water**
**Analysis Batch: 15119**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | | | 0.0500 | 0.0300 | J | mg/L | | 60 | 50 - 150 | | |

## Method: 7110B - Gross Alpha and Gross Beta Radioactivity

**Lab Sample ID: MB 810-15122/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 16607**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15122**

| Analyte | MB Result | MB Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | -0.6500 | U | | | 3.00 | 1.08 | pCi/L | 03/18/22 10:21 | 04/08/22 08:36 | 1 |
| Gross Beta | -0.8800 | U | | | 4.00 | 1.77 | pCi/L | 03/18/22 10:21 | 04/08/22 08:36 | 1 |

**Lab Sample ID: LCS 810-15122/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 16607**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15122**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | | | 30.4 | 31.28 | | | 3.00 | 1.07 | pCi/L | 103 | 80 - 120 | | |

## Method: 7110B - Gross Alpha and Gross Beta Radioactivity (Continued)

**Lab Sample ID: LCS 810-15122/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 16607**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15122**

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gross Beta | 39.0 | 32.14 | | | 4.00 | 2.14 | pCi/L | 82 | 80 - 120 |

## Method: SM7500 Ra B - Radium-226

**Lab Sample ID: MB 810-15102/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 15877**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15102**

| Analyte | MB Result | MB Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Ra-226 | 0.0000 | U | | | 1.00 | 0.150 | pCi/L | 03/18/22 07:56 | 03/29/22 09:47 | 1 |

**Lab Sample ID: LCS 810-15102/2-A**
**Matrix: Drinking Water**
**Analysis Batch: 15877**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 15102**

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Ra-226 | 9.89 | 8.190 | * | | 1.00 | 0.150 | pCi/L | 83 | 90 - 110 |

## Method: SM7500 Ra D - Radium-228

**Lab Sample ID: MB 810-15101/1-A**
**Matrix: Drinking Water**
**Analysis Batch: 17228**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 15101**

| Analyte | MB Result | MB Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Ra-228 | -0.1000 | U | | | 1.00 | 0.480 | pCi/L | 03/18/22 07:52 | 04/14/22 11:06 | 1 |

## Method: SM7500_Rn_B - Radon

**Lab Sample ID: MB 810-15451/13**
**Matrix: Drinking Water**
**Analysis Batch: 15451**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radon 222 | -3.680 | U | | | 12.0 | 7.30 | pCi/L | | 03/11/22 15:34 | 1 |

**Lab Sample ID: MB 810-15451/17**
**Matrix: Drinking Water**
**Analysis Batch: 15451**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | Count Uncert. (σ+/-) | Total Uncert. (σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Radon 222 | -1.820 | U | | | 12.0 | 8.42 | pCi/L | | 03/12/22 10:32 | 1 |

## Method: SM7500_Rn_B - Radon (Continued)

**Lab Sample ID: LCS 810-15451/12**
**Matrix: Drinking Water**
**Analysis Batch: 15451**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Radon 222 | 10800 | 10420 | | | 12.0 | 7.10 | pCi/L | 96 | 90 - 110 |

**Lab Sample ID: LCS 810-15451/16**
**Matrix: Drinking Water**
**Analysis Batch: 15451**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Radon 222 | 10800 | 10760 | | | 12.0 | 7.10 | pCi/L | 99 | 90 - 110 |

**Lab Sample ID: SFB 810-15451/14**
**Matrix: Drinking Water**
**Analysis Batch: 15451**

**Client Sample ID: Second Source Fortified Blank**
**Prep Type: Total/NA**

| Analyte | Spike Added | SFB Result | SFB Qual | Total Uncert. (σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Radon 222 | 8680 | 9049 | | | 12.0 | 7.10 | pCi/L | 104 | 90 - 110 |

**Lab Sample ID: SFB 810-15451/15**
**Matrix: Drinking Water**
**Analysis Batch: 15451**

**Client Sample ID: Second Source Fortified Blank**
**Prep Type: Total/NA**

| Analyte | Spike Added | SFB Result | SFB Qual | Total Uncert. (σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Radon 222 | 8680 | 9005 | | | 12.0 | 7.10 | pCi/L | 104 | 90 - 110 |

## Method: SimPlate - Heterotrophic Plate Count (HPC)

**Lab Sample ID: MB 810-14664/5**
**Matrix: Drinking Water**
**Analysis Batch: 14664**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Heterotrophic Plate Count | <2.0 | | 2.0 | | MPN/mL | | | 03/11/22 11:44 | 1 |

**Lab Sample ID: POS 810-14664/4**
**Matrix: Drinking Water**
**Analysis Batch: 14664**

**Client Sample ID: Positive Control**
**Prep Type: Total/NA**

| Analyte | POS Result | POS Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Heterotrophic Plate Count | >738 | | 2.0 | | MPN/mL | | | 03/11/22 11:44 | 1 |

## GC/MS VOA

### Analysis Batch: 14993

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 524.2 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 524.2 | |
| MB 810-14993/5 | Method Blank | Total/NA | Drinking Water | 524.2 | |

### Analysis Batch: 15073

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 524.2 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 524.2 | |
| MB 810-15073/5 | Method Blank | Total/NA | Drinking Water | 524.2 | |

### Analysis Batch: 15123

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 524.2 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 524.2 | |

## GC/MS Semi VOA

### Prep Batch: 14823

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 548.1 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 548.1 | |
| MB 810-14823/1-A | Method Blank | Total/NA | Drinking Water | 548.1 | |
| LCS 810-14823/2-A | Lab Control Sample | Total/NA | Drinking Water | 548.1 | |
| LLCS 810-14823/3-A | Lab Control Sample | Total/NA | Drinking Water | 548.1 | |

### Prep Batch: 15033

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 525.2 | |
| MB 810-15033/1-A | Method Blank | Total/NA | Drinking Water | 525.2 | |
| LCS 810-15033/3-A | Lab Control Sample | Total/NA | Drinking Water | 525.2 | |
| LLCS 810-15033/2-A | Lab Control Sample | Total/NA | Drinking Water | 525.2 | |

### Analysis Batch: 15042

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 548.1 | 14823 |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 548.1 | 14823 |
| MB 810-14823/1-A | Method Blank | Total/NA | Drinking Water | 548.1 | 14823 |
| LCS 810-14823/2-A | Lab Control Sample | Total/NA | Drinking Water | 548.1 | 14823 |
| LLCS 810-14823/3-A | Lab Control Sample | Total/NA | Drinking Water | 548.1 | 14823 |

### Analysis Batch: 15085

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 525.2 | 15033 |
| MB 810-15033/1-A | Method Blank | Total/NA | Drinking Water | 525.2 | 15033 |
| LCS 810-15033/3-A | Lab Control Sample | Total/NA | Drinking Water | 525.2 | 15033 |
| LLCS 810-15033/2-A | Lab Control Sample | Total/NA | Drinking Water | 525.2 | 15033 |

### Prep Batch: 15115

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-2 | Spring | Total/NA | Drinking Water | 525.2 | |
| MB 810-15115/1-A | Method Blank | Total/NA | Drinking Water | 525.2 | |

## GC/MS Semi VOA (Continued)

### Prep Batch: 15115 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 810-15115/3-A | Lab Control Sample | Total/NA | Drinking Water | 525.2 | |
| LLCS 810-15115/2-A | Lab Control Sample | Total/NA | Drinking Water | 525.2 | |

### Prep Batch: 15223

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 522 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 522 | |
| MBL 810-15223/1-A | Method Blank | Total/NA | Drinking Water | 522 | |
| LLCS 810-15223/2-A | Lab Control Sample | Total/NA | Drinking Water | 522 | |

### Analysis Batch: 15245

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-2 | Spring | Total/NA | Drinking Water | 525.2 | 15115 |
| MB 810-15115/1-A | Method Blank | Total/NA | Drinking Water | 525.2 | 15115 |
| LCS 810-15115/3-A | Lab Control Sample | Total/NA | Drinking Water | 525.2 | 15115 |
| LLCS 810-15115/2-A | Lab Control Sample | Total/NA | Drinking Water | 525.2 | 15115 |

### Analysis Batch: 15313

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 522 | 15223 |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 522 | 15223 |
| MBL 810-15223/1-A | Method Blank | Total/NA | Drinking Water | 522 | 15223 |
| LLCS 810-15223/2-A | Lab Control Sample | Total/NA | Drinking Water | 522 | 15223 |

## GC Semi VOA

### Prep Batch: 14862

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 504.1 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 504.1 | |
| MB 810-14862/24-A | Method Blank | Total/NA | Drinking Water | 504.1 | |
| LCS 810-14862/30-A | Lab Control Sample | Total/NA | Drinking Water | 504.1 | |
| LLCS 810-14862/25-A | Lab Control Sample | Total/NA | Drinking Water | 504.1 | |

### Analysis Batch: 14919

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 504.1 | 14862 |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 504.1 | 14862 |
| MB 810-14862/24-A | Method Blank | Total/NA | Drinking Water | 504.1 | 14862 |
| LCS 810-14862/30-A | Lab Control Sample | Total/NA | Drinking Water | 504.1 | 14862 |
| LLCS 810-14862/25-A | Lab Control Sample | Total/NA | Drinking Water | 504.1 | 14862 |

### Prep Batch: 14969

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 505 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 505 | |
| MB 810-14969/24-A | Method Blank | Total/NA | Drinking Water | 505 | |
| LLCS 810-14969/31-A | Lab Control Sample | Total/NA | Drinking Water | 505 | |
| LLCS 810-14969/32-A | Lab Control Sample | Total/NA | Drinking Water | 505 | |
| 810-17720-1 MS | Well B | Total/NA | Drinking Water | 505 | |
| 810-17720-2 MS | Spring | Total/NA | Drinking Water | 505 | |

## GC Semi VOA (Continued)

### Prep Batch: 14969 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-2 MSD | Spring | Total/NA | Drinking Water | 505 | |

### Analysis Batch: 14999

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 505 | 14969 |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 505 | 14969 |
| MB 810-14969/24-A | Method Blank | Total/NA | Drinking Water | 505 | 14969 |
| LLCS 810-14969/31-A | Lab Control Sample | Total/NA | Drinking Water | 505 | 14969 |
| LLCS 810-14969/32-A | Lab Control Sample | Total/NA | Drinking Water | 505 | 14969 |
| 810-17720-1 MS | Well B | Total/NA | Drinking Water | 505 | 14969 |
| 810-17720-2 MS | Spring | Total/NA | Drinking Water | 505 | 14969 |
| 810-17720-2 MSD | Spring | Total/NA | Drinking Water | 505 | 14969 |

### Prep Batch: 15027

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 552.2 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 552.2 | |
| MB 810-15027/1-A | Method Blank | Total/NA | Drinking Water | 552.2 | |

### Analysis Batch: 15075

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 552.2 | 15027 |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 552.2 | 15027 |
| MB 810-15027/1-A | Method Blank | Total/NA | Drinking Water | 552.2 | 15027 |

### Analysis Batch: 15247

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 552.2 THAA | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 552.2 THAA | |

### Prep Batch: 15291

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 515.3 | |
| MB 810-15291/1-B | Method Blank | Total/NA | Drinking Water | 515.3 | |
| LLCS 810-15291/2-B | Lab Control Sample | Total/NA | Drinking Water | 515.3 | |

### Cleanup Batch: 15348

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | Aliquot | 15291 |
| MB 810-15291/1-B | Method Blank | Total/NA | Drinking Water | Aliquot | 15291 |
| LLCS 810-15291/2-B | Lab Control Sample | Total/NA | Drinking Water | Aliquot | 15291 |

### Analysis Batch: 15378

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 515.3 | 15348 |
| MB 810-15291/1-B | Method Blank | Total/NA | Drinking Water | 515.3 | 15348 |
| LLCS 810-15291/2-B | Lab Control Sample | Total/NA | Drinking Water | 515.3 | 15348 |

### Prep Batch: 15410

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 551,1 | |

## GC Semi VOA (Continued)

### Prep Batch: 15410 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-2 | Spring | Total/NA | Drinking Water | 551,1 | |
| MB 810-15410/1-B | Method Blank | Total/NA | Drinking Water | 551,1 | |
| LLCS 810-15410/2-B | Lab Control Sample | Total/NA | Drinking Water | 551,1 | |

### Cleanup Batch: 15470

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | Aliquot | 15410 |
| 810-17720-2 | Spring | Total/NA | Drinking Water | Aliquot | 15410 |
| MB 810-15410/1-B | Method Blank | Total/NA | Drinking Water | Aliquot | 15410 |
| LLCS 810-15410/2-B | Lab Control Sample | Total/NA | Drinking Water | Aliquot | 15410 |

### Analysis Batch: 15474

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 551.1 | 15470 |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 551.1 | 15470 |
| MB 810-15410/1-B | Method Blank | Total/NA | Drinking Water | 551.1 | 15470 |
| LLCS 810-15410/2-B | Lab Control Sample | Total/NA | Drinking Water | 551.1 | 15470 |

### Prep Batch: 15484

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-2 | Spring | Total/NA | Drinking Water | 515.3 | |
| MB 810-15484/1-B | Method Blank | Total/NA | Drinking Water | 515.3 | |
| LLCS 810-15484/2-B | Lab Control Sample | Total/NA | Drinking Water | 515.3 | |

### Cleanup Batch: 15506

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-2 | Spring | Total/NA | Drinking Water | Aliquot | 15484 |
| MB 810-15484/1-B | Method Blank | Total/NA | Drinking Water | Aliquot | 15484 |
| LLCS 810-15484/2-B | Lab Control Sample | Total/NA | Drinking Water | Aliquot | 15484 |

### Analysis Batch: 15555

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-2 | Spring | Total/NA | Drinking Water | 515.3 | 15506 |
| MB 810-15484/1-B | Method Blank | Total/NA | Drinking Water | 515.3 | 15506 |
| LLCS 810-15484/2-B | Lab Control Sample | Total/NA | Drinking Water | 515.3 | 15506 |

## HPLC/IC

### Filtration Batch: 14840

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Dissolved | Drinking Water | Filtration | |
| 810-17720-2 | Spring | Dissolved | Drinking Water | Filtration | |
| MB 810-14840/8-A | Method Blank | Dissolved | Drinking Water | Filtration | |
| LCS 810-14840/10-A | Lab Control Sample | Dissolved | Drinking Water | Filtration | |
| LLCS 810-14840/9-A | Lab Control Sample | Dissolved | Drinking Water | Filtration | |
| 810-17720-1 DU | Well B | Dissolved | Drinking Water | Filtration | |

### Analysis Batch: 14891

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Dissolved | Drinking Water | 547 | 14840 |
| 810-17720-2 | Spring | Dissolved | Drinking Water | 547 | 14840 |

## HPLC/IC (Continued)

### Analysis Batch: 14891 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 810-14840/8-A | Method Blank | Dissolved | Drinking Water | 547 | 14840 |
| LCS 810-14840/10-A | Lab Control Sample | Dissolved | Drinking Water | 547 | 14840 |
| LLCS 810-14840/9-A | Lab Control Sample | Dissolved | Drinking Water | 547 | 14840 |
| 810-17720-1 DU | Well B | Dissolved | Drinking Water | 547 | 14840 |

### Analysis Batch: 14912

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 300.0 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 300.0 | |
| MB 810-14912/4 | Method Blank | Total/NA | Drinking Water | 300.0 | |
| LCS 810-14912/5 | Lab Control Sample | Total/NA | Drinking Water | 300.0 | |

### Prep Batch: 14934

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 549.2 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 549.2 | |
| MB 810-14934/1-A | Method Blank | Total/NA | Drinking Water | 549.2 | |
| LCS 810-14934/3-A | Lab Control Sample | Total/NA | Drinking Water | 549.2 | |
| LLCS 810-14934/2-A | Lab Control Sample | Total/NA | Drinking Water | 549.2 | |
| 810-17720-1 MS | Well B | Total/NA | Drinking Water | 549.2 | |

### Filtration Batch: 14952

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Dissolved | Drinking Water | Filtration | |
| 810-17720-2 | Spring | Dissolved | Drinking Water | Filtration | |
| MBL 810-14952/1-A | Method Blank | Dissolved | Drinking Water | Filtration | |

### Analysis Batch: 14976

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 300.0 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 300.0 | |
| MB 810-14976/4 | Method Blank | Total/NA | Drinking Water | 300.0 | |
| LCS 810-14976/5 | Lab Control Sample | Total/NA | Drinking Water | 300.0 | |
| 810-17720-1 MS | Well B | Total/NA | Drinking Water | 300.0 | |
| 810-17720-1 MSD | Well B | Total/NA | Drinking Water | 300.0 | |

### Analysis Batch: 14989

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 317 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 317 | |
| MBL 810-14989/10 | Method Blank | Total/NA | Drinking Water | 317 | |
| LCS 810-14989/11 | Lab Control Sample | Total/NA | Drinking Water | 317 | |

### Analysis Batch: 15067

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Dissolved | Drinking Water | 531.2 | 14952 |
| 810-17720-2 | Spring | Dissolved | Drinking Water | 531.2 | 14952 |
| MBL 810-14952/1-A | Method Blank | Dissolved | Drinking Water | 531.2 | 14952 |

## HPLC/IC

### Analysis Batch: 15152

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 549.2 | 14934 |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 549.2 | 14934 |
| MB 810-14934/1-A | Method Blank | Total/NA | Drinking Water | 549.2 | 14934 |
| LCS 810-14934/3-A | Lab Control Sample | Total/NA | Drinking Water | 549.2 | 14934 |
| LLCS 810-14934/2-A | Lab Control Sample | Total/NA | Drinking Water | 549.2 | 14934 |
| 810-17720-1 MS | Well B | Total/NA | Drinking Water | 549.2 | 14934 |

## LCMS

### Prep Batch: 14933

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 533 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 533 | |
| MBL 810-14933/1-A | Method Blank | Total/NA | Drinking Water | 533 | |
| LLCS 810-14933/2-A | Lab Control Sample | Total/NA | Drinking Water | 533 | |

### Prep Batch: 14935

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 537.1 DW | |
| MBL 810-14935/1-A | Method Blank | Total/NA | Drinking Water | 537.1 DW | |
| LLCS 810-14935/2-A | Lab Control Sample | Total/NA | Drinking Water | 537.1 DW | |

### Analysis Batch: 14964

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 331.0 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 331.0 | |
| MBL 810-14964/12 | Method Blank | Total/NA | Drinking Water | 331.0 | |
| LLCS 810-14964/14 | Lab Control Sample | Total/NA | Drinking Water | 331.0 | |
| 810-17720-2 LMS | Spring | Total/NA | Drinking Water | 331.0 | |
| 810-17720-2 LMSD | Spring | Total/NA | Drinking Water | 331.0 | |

### Analysis Batch: 14981

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 533 | 14933 |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 533 | 14933 |
| MBL 810-14933/1-A | Method Blank | Total/NA | Drinking Water | 533 | 14933 |
| LLCS 810-14933/2-A | Lab Control Sample | Total/NA | Drinking Water | 533 | 14933 |

### Analysis Batch: 15034

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 537.1 | 14935 |
| MBL 810-14935/1-A | Method Blank | Total/NA | Drinking Water | 537.1 | 14935 |
| LLCS 810-14935/2-A | Lab Control Sample | Total/NA | Drinking Water | 537.1 | 14935 |

## Specialty Organics

### Prep Batch: 236037

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 1613B | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 1613B | |
| MB 410-236037/1-A | Method Blank | Total/NA | Drinking Water | 1613B | |
| LCS 410-236037/2-A | Lab Control Sample | Total/NA | Drinking Water | 1613B | |

## Specialty Organics

### Analysis Batch: 236375

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 1613B | 236037 |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 1613B | 236037 |
| MB 410-236037/1-A | Method Blank | Total/NA | Drinking Water | 1613B | 236037 |
| LCS 410-236037/2-A | Lab Control Sample | Total/NA | Drinking Water | 1613B | 236037 |

## Metals

### Analysis Batch: 15088

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 200.8 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 200.8 | |
| MB 810-15088/11 | Method Blank | Total/NA | Drinking Water | 200.8 | |
| LCS 810-15088/15 | Lab Control Sample | Total/NA | Drinking Water | 200.8 | |
| LLCS 810-15088/13 | Lab Control Sample | Total/NA | Drinking Water | 200.8 | |
| LLCS 810-15088/20 | Lab Control Sample | Total/NA | Drinking Water | 200.8 | |
| LLCS 810-15088/22 | Lab Control Sample | Total/NA | Drinking Water | 200.8 | |

### Prep Batch: 15129

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 245.1 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 245.1 | |
| MB 810-15129/1-A | Method Blank | Total/NA | Drinking Water | 245.1 | |
| LCS 810-15129/3-A | Lab Control Sample | Total/NA | Drinking Water | 245.1 | |
| LLCS 810-15129/2-A | Lab Control Sample | Total/NA | Drinking Water | 245.1 | |

### Analysis Batch: 15167

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 200.7 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 200.7 | |
| MB 810-15167/12 | Method Blank | Total/NA | Drinking Water | 200.7 | |
| MB 810-15167/44 | Method Blank | Total/NA | Drinking Water | 200.7 | |
| LCS 810-15167/15 | Lab Control Sample | Total/NA | Drinking Water | 200.7 | |
| LLCS 810-15167/11 | Lab Control Sample | Total/NA | Drinking Water | 200.7 | |
| LLCS 810-15167/13 | Lab Control Sample | Total/NA | Drinking Water | 200.7 | |
| 810-17720-1 MS | Well B | Total/NA | Drinking Water | 200.7 | |
| 810-17720-1 MSD | Well B | Total/NA | Drinking Water | 200.7 | |

### Analysis Batch: 15170

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 245.1 | 15129 |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 245.1 | 15129 |
| MB 810-15129/1-A | Method Blank | Total/NA | Drinking Water | 245.1 | 15129 |
| LCS 810-15129/3-A | Lab Control Sample | Total/NA | Drinking Water | 245.1 | 15129 |
| LLCS 810-15129/2-A | Lab Control Sample | Total/NA | Drinking Water | 245.1 | 15129 |

### Analysis Batch: 15220

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | SM 2340B | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | SM 2340B | |

## General Chemistry

### Analysis Batch: 14683

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 150.1 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 150.1 | |
| LCSSRM 810-14683/4 | Lab Control Sample | Total/NA | Drinking Water | 150.1 | |
| LCSSRM 810-14683/9 | Lab Control Sample | Total/NA | Drinking Water | 150.1 | |

### Analysis Batch: 14691

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | SM 2120B | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | SM 2120B | |
| MB 810-14691/10 | Method Blank | Total/NA | Drinking Water | SM 2120B | |
| LCSSRM 810-14691/11 | Lab Control Sample | Total/NA | Drinking Water | SM 2120B | |

### Analysis Batch: 14701

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 180.1 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 180.1 | |
| MB 810-14701/4 | Method Blank | Total/NA | Drinking Water | 180.1 | |
| LLCS 810-14701/3 | Lab Control Sample | Total/NA | Drinking Water | 180.1 | |

### Analysis Batch: 14705

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 4500 Cl F Amine | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 4500 Cl F Amine | |
| MB 810-14705/1 | Method Blank | Total/NA | Drinking Water | 4500 Cl F Amine | |
| MB 810-14705/4 | Method Blank | Total/NA | Drinking Water | 4500 Cl F Amine | |

### Analysis Batch: 14758

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | SM 2150B | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | SM 2150B | |
| MB 810-14758/1 | Method Blank | Total/NA | Drinking Water | SM 2150B | |

### Analysis Batch: 14760

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 4500 Cl G | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 4500 Cl G | |
| MB 810-14760/6 | Method Blank | Total/NA | Drinking Water | 4500 Cl G | |
| LCS 810-14760/5 | Lab Control Sample | Total/NA | Drinking Water | 4500 Cl G | |
| LLCS 810-14760/4 | Lab Control Sample | Total/NA | Drinking Water | 4500 Cl G | |
| 810-17720-1 DU | Well B | Total/NA | Drinking Water | 4500 Cl G | |

### Analysis Batch: 14865

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 4500 ClO2 D | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 4500 ClO2 D | |
| MB 810-14865/1 | Method Blank | Total/NA | Drinking Water | 4500 ClO2 D | |
| MB 810-14865/6 | Method Blank | Total/NA | Drinking Water | 4500 ClO2 D | |
| LCS 810-14865/2 | Lab Control Sample | Total/NA | Drinking Water | 4500 ClO2 D | |

## General Chemistry

### Analysis Batch: 14893

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 353.2 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 353.2 | |
| MB 810-14893/19 | Method Blank | Total/NA | Drinking Water | 353.2 | |
| LCS 810-14893/15 | Lab Control Sample | Total/NA | Drinking Water | 353.2 | |
| LLCS 810-14893/18 | Lab Control Sample | Total/NA | Drinking Water | 353.2 | |

### Analysis Batch: 14894

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 353.2 | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 353.2 | |
| MB 810-14894/20 | Method Blank | Total/NA | Drinking Water | 353.2 | |
| LCS 810-14894/16 | Lab Control Sample | Total/NA | Drinking Water | 353.2 | |
| LLCS 810-14894/19 | Lab Control Sample | Total/NA | Drinking Water | 353.2 | |

### Analysis Batch: 14988

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | SM 2540D | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | SM 2540D | |
| MB 810-14988/1 | Method Blank | Total/NA | Drinking Water | SM 2540D | |
| LCS 810-14988/2 | Lab Control Sample | Total/NA | Drinking Water | SM 2540D | |

### Analysis Batch: 15021

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | SM 2510B | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | SM 2510B | |
| LCS 810-15021/4 | Lab Control Sample | Total/NA | Drinking Water | SM 2510B | |
| LLCS 810-15021/3 | Lab Control Sample | Total/NA | Drinking Water | SM 2510B | |
| 810-17720-1 DU | Well B | Total/NA | Drinking Water | SM 2510B | |

### Analysis Batch: 15041

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | SM 2540C | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | SM 2540C | |
| MB 810-15041/1 | Method Blank | Total/NA | Drinking Water | SM 2540C | |
| LCS 810-15041/2 | Lab Control Sample | Total/NA | Drinking Water | SM 2540C | |
| 810-17720-1 DU | Well B | Total/NA | Drinking Water | SM 2540C | |

### Prep Batch: 15099

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | Distill/CN | |
| MB 810-15099/30-A | Method Blank | Total/NA | Drinking Water | Distill/CN | |
| MB 810-15099/4-A | Method Blank | Total/NA | Drinking Water | Distill/CN | |
| LCS 810-15099/29-A | Lab Control Sample | Total/NA | Drinking Water | Distill/CN | |
| LLCS 810-15099/3-A | Lab Control Sample | Total/NA | Drinking Water | Distill/CN | |

### Analysis Batch: 15119

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | SM 4500 F C | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | SM 4500 F C | |
| MB 810-15119/6 | Method Blank | Total/NA | Drinking Water | SM 4500 F C | |
| LCS 810-15119/4 | Lab Control Sample | Total/NA | Drinking Water | SM 4500 F C | |

## General Chemistry (Continued)

### Analysis Batch: 15119 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LLCS 810-15119/5 | Lab Control Sample | Total/NA | Drinking Water | SM 4500 F C | |

### Analysis Batch: 15127

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | Nitrate by calc | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | Nitrate by calc | |

### Analysis Batch: 15128

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 335.4 | 15099 |
| MB 810-15099/30-A | Method Blank | Total/NA | Drinking Water | 335.4 | 15099 |
| MB 810-15099/4-A | Method Blank | Total/NA | Drinking Water | 335.4 | 15099 |
| LCS 810-15099/29-A | Lab Control Sample | Total/NA | Drinking Water | 335.4 | 15099 |
| LLCS 810-15099/3-A | Lab Control Sample | Total/NA | Drinking Water | 335.4 | 15099 |

### Analysis Batch: 15176

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | SM 2320B | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | SM 2320B | |
| MB 810-15176/9 | Method Blank | Total/NA | Drinking Water | SM 2320B | |
| LCS 810-15176/7 | Lab Control Sample | Total/NA | Drinking Water | SM 2320B | |
| LLCS 810-15176/8 | Lab Control Sample | Total/NA | Drinking Water | SM 2320B | |

### Prep Batch: 15406

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-2 | Spring | Total/NA | Drinking Water | Distill/CN | |
| MB 810-15406/4-A | Method Blank | Total/NA | Drinking Water | Distill/CN | |
| LCS 810-15406/2-A | Lab Control Sample | Total/NA | Drinking Water | Distill/CN | |
| LLCS 810-15406/3-A | Lab Control Sample | Total/NA | Drinking Water | Distill/CN | |
| 810-17720-2 MS | Spring | Total/NA | Drinking Water | Distill/CN | |
| 810-17720-2 MSD | Spring | Total/NA | Drinking Water | Distill/CN | |

### Analysis Batch: 15441

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-2 | Spring | Total/NA | Drinking Water | 335.4 | 15406 |
| MB 810-15406/4-A | Method Blank | Total/NA | Drinking Water | 335.4 | 15406 |
| LCS 810-15406/2-A | Lab Control Sample | Total/NA | Drinking Water | 335.4 | 15406 |
| LLCS 810-15406/3-A | Lab Control Sample | Total/NA | Drinking Water | 335.4 | 15406 |
| 810-17720-2 MS | Spring | Total/NA | Drinking Water | 335.4 | 15406 |
| 810-17720-2 MSD | Spring | Total/NA | Drinking Water | 335.4 | 15406 |

### Analysis Batch: 235424

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-5 | Well B | Total/NA | Water | 5540C - 2011 | |
| 810-17720-6 | Spring | Total/NA | Water | 5540C - 2011 | |
| MB 410-235424/3 | Method Blank | Total/NA | Water | 5540C - 2011 | |
| LCS 410-235424/5 | Lab Control Sample | Total/NA | Water | 5540C - 2011 | |
| LCSD 410-235424/6 | Lab Control Sample Dup | Total/NA | Water | 5540C - 2011 | |

# QC Association Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## General Chemistry

### Analysis Batch: 236798

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-5 | Well B | Total/NA | Water | 420.4 | |
| 810-17720-6 | Spring | Total/NA | Water | 420.4 | |
| MB 410-236798/28 | Method Blank | Total/NA | Water | 420.4 | |
| LCS 410-236798/26 | Lab Control Sample | Total/NA | Water | 420.4 | |
| LCSD 410-236798/27 | Lab Control Sample Dup | Total/NA | Water | 420.4 | |

## Rad

### Prep Batch: 14789

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | RAD Prep | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | RAD Prep | |

### Prep Batch: 15101

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | RAD Prep | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | RAD Prep | |
| MB 810-15101/1-A | Method Blank | Total/NA | Drinking Water | RAD Prep | |
| LCS 810-15101/2-A | Lab Control Sample | Total/NA | Drinking Water | RAD Prep | |

### Prep Batch: 15102

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | RAD Prep | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | RAD Prep | |
| MB 810-15102/1-A | Method Blank | Total/NA | Drinking Water | RAD Prep | |
| LCS 810-15102/2-A | Lab Control Sample | Total/NA | Drinking Water | RAD Prep | |

### Prep Batch: 15122

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | RAD Prep | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | RAD Prep | |
| MB 810-15122/1-A | Method Blank | Total/NA | Drinking Water | RAD Prep | |
| LCS 810-15122/2-A | Lab Control Sample | Total/NA | Drinking Water | RAD Prep | |

## Biology

### Analysis Batch: 14664

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | SimPlate | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | SimPlate | |
| MB 810-14664/5 | Method Blank | Total/NA | Drinking Water | SimPlate | |
| POS 810-14664/4 | Positive Control | Total/NA | Drinking Water | SimPlate | |

### Analysis Batch: 14764

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 810-17720-1 | Well B | Total/NA | Drinking Water | 9223B | |
| 810-17720-2 | Spring | Total/NA | Drinking Water | 9223B | |

## Client Sample ID: Well B

**Date Collected: 03/10/22 12:10**
**Date Received: 03/11/22 09:15**

## Lab Sample ID: 810-17720-1

**Matrix: Drinking Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 524.2 | | 1 | 14993 | 03/16/22 20:15 | DC | EA SB |
| Total/NA | Analysis | 524.2 | | 1 | 15123 | 03/18/22 10:47 | DC | EA SB |
| Total/NA | Analysis | 524.2 | | 1 | 15073 | 03/18/22 04:49 | DL | EA SB |
| Total/NA | Prep | 522 | | | 15223 | 03/21/22 07:41 | MP | EA SB |
| Total/NA | Analysis | 522 | | 1 | 15313 | 03/22/22 13:52 | TD | EA SB |
| Total/NA | Prep | 525.2 | | | 15033 | 03/17/22 07:44 | SC | EA SB |
| Total/NA | Analysis | 525.2 | | 1 | 15085 | 03/18/22 13:55 | CG | EA SB |
| Total/NA | Prep | 548.1 | | | 14823 | 03/15/22 06:53 | CM | EA SB |
| Total/NA | Analysis | 548.1 | | 1 | 15042 | 03/17/22 04:38 | TL | EA SB |
| Total/NA | Prep | 504.1 | | | 14862 | 03/15/22 10:15 | SC | EA SB |
| Total/NA | Analysis | 504.1 | | 1 | 14919 | 03/16/22 05:04 | JB | EA SB |
| Total/NA | Prep | 505 | | | 14969 | 03/16/22 09:55 | SC | EA SB |
| Total/NA | Analysis | 505 | | 1 | 14999 | 03/16/22 22:47 | JB | EA SB |
| Total/NA | Prep | 515.3 | | | 15291 | 03/22/22 07:29 | AM | EA SB |
| Total/NA | Cleanup | Aliquot | | | 15348 | 03/22/22 12:55 | AM | EA SB |
| Total/NA | Analysis | 515.3 | | 1 | 15378 | 03/22/22 22:48 | TL | EA SB |
| Total/NA | Prep | 551,1 | | | 15410 | 03/23/22 10:03 | MP | EA SB |
| Total/NA | Cleanup | Aliquot | | | 15470 | 03/23/22 15:35 | MP | EA SB |
| Total/NA | Analysis | 551.1 | | 1 | 15474 | 03/24/22 02:28 | JV | EA SB |
| Total/NA | Prep | 552.2 | | | 15027 | 03/17/22 08:11 | JH | EA SB |
| Total/NA | Analysis | 552.2 | | 1 | 15075 | 03/18/22 21:43 | JB | EA SB |
| Total/NA | Analysis | 552.2 THAA | | 1 | 15247 | 03/21/22 10:53 | JB | EA SB |
| Total/NA | Analysis | 300.0 | | 1 | 14976 | 03/15/22 19:02 | JL | EA SB |
| Total/NA | Analysis | 300.0 | | 1 | 14912 | 03/15/22 22:10 | JL | EA SB |
| Total/NA | Analysis | 317 | | 1 | 14989 | 03/17/22 00:02 | JL | EA SB |
| Dissolved | Filtration | Filtration | | | 14952 | 03/16/22 10:07 | HS | EA SB |
| Dissolved | Analysis | 531.2 | | 1 | 15067 | 03/19/22 05:50 | TL | EA SB |
| Dissolved | Filtration | Filtration | | | 14840 | 03/15/22 09:30 | HS | EA SB |
| Dissolved | Analysis | 547 | | 1 | 14891 | 03/16/22 00:26 | TL | EA SB |
| Total/NA | Prep | 549.2 | | | 14934 | 03/16/22 06:59 | MP | EA SB |
| Total/NA | Analysis | 549.2 | | 1 | 15152 | 03/18/22 17:28 | DL | EA SB |
| Total/NA | Analysis | 331.0 | | 1 | 14964 | 03/17/22 18:42 | JW | EA SB |
| Total/NA | Prep | 533 | | | 14933 | 03/16/22 06:28 | CM | EA SB |
| Total/NA | Analysis | 533 | | 1 | 14981 | 03/17/22 02:24 | CM | EA SB |
| Total/NA | Prep | 537.1 DW | | | 14935 | 03/16/22 07:55 | SS | EA SB |
| Total/NA | Analysis | 537.1 | | 1 | 15034 | 03/17/22 19:20 | MH | EA SB |
| Total/NA | Prep | 1613B | | | 236037 | 03/21/22 15:00 | CPV9 | ELLE |
| Total/NA | Analysis | 1613B | | 1 | 236375 | 03/23/22 00:40 | UA2A | ELLE |
| Total/NA | Analysis | 200.7 | | 1 | 15167 | 03/18/22 14:31 | AC | EA SB |
| Total/NA | Analysis | 200.8 | | 1 | 15088 | 03/17/22 15:39 | NB | EA SB |
| Total/NA | Prep | 245.1 | | | 15129 | 03/18/22 11:54 | AC | EA SB |
| Total/NA | Analysis | 245.1 | | 1 | 15170 | 03/18/22 16:02 | AC | EA SB |
| Total/NA | Analysis | SM 2340B | | 1 | 15220 | 03/20/22 17:00 | AC | EA SB |

# Lab Chronicle

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Client Sample ID: Well B

**Date Collected: 03/10/22 12:10**
**Date Received: 03/11/22 09:15**

## Lab Sample ID: 810-17720-1

**Matrix: Drinking Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 150.1 | | 1 | 14683 | 03/11/22 14:27 | JA | EA SB |
| Total/NA | Analysis | 180.1 | | 1 | 14701 | 03/11/22 16:05 | JA | EA SB |
| Total/NA | Prep | Distill/CN | | | 15099 | 03/18/22 06:45 | KH | EA SB |
| Total/NA | Analysis | 335.4 | | 1 | 15128 | 03/18/22 11:11 | KH | EA SB |
| Total/NA | Analysis | 353.2 | | 1 | 14893 | 03/15/22 10:12 | KH | EA SB |
| Total/NA | Analysis | 353.2 | | 1 | 14894 | 03/15/22 14:22 | KH | EA SB |
| Total/NA | Analysis | 4500 Cl F Amine | | 1 | 14705 | 03/11/22 16:31 | JA | EA SB |
| Total/NA | Analysis | 4500 Cl G | | 1 | 14760 | 03/11/22 18:17 | KH | EA SB |
| Total/NA | Analysis | 4500 ClO2 D | | 1 | 14865 | 03/10/22 12:10 | KH | EA SB |
| Total/NA | Analysis | Nitrate by calc | | 1 | 15127 | 03/18/22 11:24 | KH | EA SB |
| Total/NA | Analysis | SM 2120B | | 1 | 14691 | 03/11/22 15:23 | JA | EA SB |
| Total/NA | Analysis | SM 2150B | | 1 | 14758 | 03/11/22 14:58 | JA | EA SB |
| Total/NA | Analysis | SM 2320B | | 1 | 15176 | 03/18/22 19:49 | KH | EA SB |
| Total/NA | Analysis | SM 2510B | | 1 | 15021 | 03/16/22 19:50 | AC | EA SB |
| Total/NA | Analysis | SM 2540C | | 1 | 15041 | 03/17/22 10:25 | JA | EA SB |
| Total/NA | Analysis | SM 2540D | | 1 | 14988 | 03/16/22 15:46 | JA | EA SB |
| Total/NA | Analysis | SM 4500 F C | | 1 | 15119 | 03/18/22 08:49 | KH | EA SB |
| Total/NA | Prep | RAD Prep | | | 15122 | 03/18/22 10:21 | SS | EA SB |
| Total/NA | Analysis | 7110B | | 1 | 16607 | | SS | EA SB |
| | | | | | (Start) | 04/08/22 08:36 | | |
| | | | | | (End) | 04/08/22 14:36 | | |
| Total/NA | Analysis | 7500 Ra D | | 1 | 17369 | 04/21/22 16:02 | SS | EA SB |
| Total/NA | Prep | RAD Prep | | | 15102 | 03/18/22 07:56 | SS | EA SB |
| Total/NA | Analysis | SM7500 Ra B | | 1 | 15877 | | SS | EA SB |
| | | | | | (Start) | 03/29/22 09:47 | | |
| | | | | | (End) | 03/29/22 10:47 | | |
| Total/NA | Prep | RAD Prep | | | 15101 | 03/18/22 07:52 | SS | EA SB |
| Total/NA | Analysis | SM7500 Ra D | | 1 | 17228 | | OO | EA SB |
| | | | | | (Start) | 04/14/22 11:06 | | |
| | | | | | (End) | 04/14/22 14:06 | | |
| Total/NA | Prep | RAD Prep | | | 14789 | 03/11/22 12:43 | OO | EA SB |
| Total/NA | Analysis | SM7500_Rn_B | | 1 | 15451 | | OO | EA SB |
| | | | | | (Start) | 03/12/22 05:29 | | |
| | | | | | (End) | 03/12/22 05:29 | | |
| Total/NA | Analysis | 9223B | | 1 | 14764 | | HW | EA SB |
| | | | | | (Start) | 03/14/22 15:26 | | |
| | | | | | (End) | 03/16/22 09:00 | | |
| Total/NA | Analysis | SimPlate | | 1 | 14664 | | SF | EA SB |
| | | | | | (Start) | 03/11/22 11:44 | | |
| | | | | | (End) | 03/14/22 09:17 | | |

## Client Sample ID: Spring

**Date Collected: 03/10/22 14:00**
**Date Received: 03/11/22 09:15**

## Lab Sample ID: 810-17720-2

**Matrix: Drinking Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 524.2 | | 1 | 14993 | 03/16/22 19:52 | DC | EA SB |
| Total/NA | Analysis | 524.2 | | 1 | 15123 | 03/18/22 10:47 | DC | EA SB |
| Total/NA | Analysis | 524.2 | | 1 | 15073 | 03/18/22 05:13 | DL | EA SB |
| Total/NA | Prep | 522 | | | 15223 | 03/21/22 07:41 | MP | EA SB |
| Total/NA | Analysis | 522 | | 1 | 15313 | 03/22/22 14:16 | TD | EA SB |
| Total/NA | Prep | 525.2 | | | 15115 | 03/18/22 07:44 | SC | EA SB |
| Total/NA | Analysis | 525.2 | | 1 | 15245 | 03/21/22 21:50 | TD | EA SB |
| Total/NA | Prep | 548.1 | | | 14823 | 03/15/22 06:53 | CM | EA SB |
| Total/NA | Analysis | 548.1 | | 1 | 15042 | 03/17/22 04:53 | TL | EA SB |
| Total/NA | Prep | 504.1 | | | 14862 | 03/15/22 10:15 | SC | EA SB |
| Total/NA | Analysis | 504.1 | | 1 | 14919 | 03/16/22 05:30 | JB | EA SB |
| Total/NA | Prep | 505 | | | 14969 | 03/16/22 09:55 | SC | EA SB |
| Total/NA | Analysis | 505 | | 1 | 14999 | 03/16/22 23:14 | JB | EA SB |
| Total/NA | Prep | 515.3 | | | 15484 | 03/24/22 08:28 | AM | EA SB |
| Total/NA | Cleanup | Aliquot | | | 15506 | 03/24/22 11:47 | AM | EA SB |
| Total/NA | Analysis | 515.3 | | 1 | 15555 | 03/25/22 13:21 | TL | EA SB |
| Total/NA | Prep | 551,1 | | | 15410 | 03/23/22 10:03 | MP | EA SB |
| Total/NA | Cleanup | Aliquot | | | 15470 | 03/23/22 15:35 | MP | EA SB |
| Total/NA | Analysis | 551.1 | | 1 | 15474 | 03/24/22 03:06 | JV | EA SB |
| Total/NA | Prep | 552.2 | | | 15027 | 03/17/22 08:11 | JH | EA SB |
| Total/NA | Analysis | 552.2 | | 1 | 15075 | 03/18/22 22:19 | JB | EA SB |
| Total/NA | Analysis | 552.2 THAA | | 1 | 15247 | 03/21/22 10:53 | JB | EA SB |
| Total/NA | Analysis | 300.0 | | 1 | 14976 | 03/15/22 20:03 | JL | EA SB |
| Total/NA | Analysis | 300.0 | | 1 | 14912 | 03/15/22 22:41 | JL | EA SB |
| Total/NA | Analysis | 317 | | 1 | 14989 | 03/17/22 00:30 | JL | EA SB |
| Dissolved | Filtration | Filtration | | | 14952 | 03/16/22 10:07 | HS | EA SB |
| Dissolved | Analysis | 531.2 | | 1 | 15067 | 03/19/22 06:21 | TL | EA SB |
| Dissolved | Filtration | Filtration | | | 14840 | 03/15/22 09:30 | HS | EA SB |
| Dissolved | Analysis | 547 | | 1 | 14891 | 03/16/22 01:55 | TL | EA SB |
| Total/NA | Prep | 549.2 | | | 14934 | 03/16/22 06:59 | MP | EA SB |
| Total/NA | Analysis | 549.2 | | 1 | 15152 | 03/18/22 17:46 | DL | EA SB |
| Total/NA | Analysis | 331.0 | | 1 | 14964 | 03/17/22 18:57 | JW | EA SB |
| Total/NA | Prep | 533 | | | 14933 | 03/16/22 06:28 | CM | EA SB |
| Total/NA | Analysis | 533 | | 1 | 14981 | 03/17/22 02:37 | CM | EA SB |
| Total/NA | Prep | 1613B | | | 236037 | 03/21/22 15:00 | CPV9 | ELLE |
| Total/NA | Analysis | 1613B | | 1 | 236375 | 03/23/22 01:29 | UA2A | ELLE |
| Total/NA | Analysis | 200.7 | | 1 | 15167 | 03/18/22 14:38 | AC | EA SB |
| Total/NA | Analysis | 200.8 | | 1 | 15088 | 03/17/22 16:33 | NB | EA SB |
| Total/NA | Prep | 245.1 | | | 15129 | 03/18/22 11:54 | AC | EA SB |
| Total/NA | Analysis | 245.1 | | 1 | 15170 | 03/18/22 16:05 | AC | EA SB |
| Total/NA | Analysis | SM 2340B | | 1 | 15220 | 03/20/22 17:00 | AC | EA SB |
| Total/NA | Analysis | 150.1 | | 1 | 14683 | 03/11/22 14:31 | JA | EA SB |
| Total/NA | Analysis | 180.1 | | 1 | 14701 | 03/11/22 16:04 | JA | EA SB |

## Client Sample ID: Spring

**Date Collected: 03/10/22 14:00**
**Date Received: 03/11/22 09:15**

## Lab Sample ID: 810-17720-2

**Matrix: Drinking Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Distill/CN | | | 15406 | 03/23/22 10:26 | KH | EA SB |
| Total/NA | Analysis | 335.4 | | 1 | 15441 | 03/23/22 13:12 | KH | EA SB |
| Total/NA | Analysis | 353.2 | | 1 | 14893 | 03/15/22 10:11 | KH | EA SB |
| Total/NA | Analysis | 353.2 | | 1 | 14894 | 03/15/22 14:20 | KH | EA SB |
| Total/NA | Analysis | 4500 Cl F Amine | | 1 | 14705 | 03/11/22 16:28 | JA | EA SB |
| Total/NA | Analysis | 4500 Cl G | | 1 | 14760 | 03/11/22 18:17 | KH | EA SB |
| Total/NA | Analysis | 4500 ClO2 D | | 1 | 14865 | 03/10/22 14:00 | KH | EA SB |
| Total/NA | Analysis | Nitrate by calc | | 1 | 15127 | 03/18/22 11:24 | KH | EA SB |
| Total/NA | Analysis | SM 2120B | | 1 | 14691 | 03/11/22 15:22 | JA | EA SB |
| Total/NA | Analysis | SM 2150B | | 1 | 14758 | 03/11/22 14:53 | JA | EA SB |
| Total/NA | Analysis | SM 2320B | | 1 | 15176 | 03/18/22 20:05 | KH | EA SB |
| Total/NA | Analysis | SM 2510B | | 1 | 15021 | 03/16/22 19:54 | AC | EA SB |
| Total/NA | Analysis | SM 2540C | | 1 | 15041 | 03/17/22 10:37 | JA | EA SB |
| Total/NA | Analysis | SM 2540D | | 1 | 14988 | 03/16/22 15:40 | JA | EA SB |
| Total/NA | Analysis | SM 4500 F C | | 1 | 15119 | 03/18/22 07:33 | KH | EA SB |
| Total/NA | Prep | RAD Prep | | | 15122 | 03/18/22 10:21 | SS | EA SB |
| Total/NA | Analysis | 7110B | | 1 | 16607 | | SS | EA SB |
| | | | | | (Start) | 04/08/22 08:36 | | |
| | | | | | (End) | 04/08/22 14:36 | | |
| Total/NA | Analysis | 7500 Ra D | | 1 | 17369 | 04/21/22 16:02 | SS | EA SB |
| Total/NA | Prep | RAD Prep | | | 15102 | 03/18/22 07:56 | SS | EA SB |
| Total/NA | Analysis | SM7500 Ra B | | 1 | 15877 | | SS | EA SB |
| | | | | | (Start) | 03/29/22 09:47 | | |
| | | | | | (End) | 03/29/22 10:47 | | |
| Total/NA | Prep | RAD Prep | | | 15101 | 03/18/22 07:52 | SS | EA SB |
| Total/NA | Analysis | SM7500 Ra D | | 1 | 17228 | | OO | EA SB |
| | | | | | (Start) | 04/14/22 11:06 | | |
| | | | | | (End) | 04/14/22 14:06 | | |
| Total/NA | Prep | RAD Prep | | | 14789 | 03/11/22 12:43 | OO | EA SB |
| Total/NA | Analysis | SM7500_Rn_B | | 1 | 15451 | | OO | EA SB |
| | | | | | (Start) | 03/12/22 06:44 | | |
| | | | | | (End) | 03/12/22 06:44 | | |
| Total/NA | Analysis | 9223B | | 1 | 14764 | | HW | EA SB |
| | | | | | (Start) | 03/14/22 15:26 | | |
| | | | | | (End) | 03/16/22 09:00 | | |
| Total/NA | Analysis | SimPlate | | 1 | 14664 | | SF | EA SB |
| | | | | | (Start) | 03/11/22 11:44 | | |
| | | | | | (End) | 03/14/22 09:17 | | |

# Lab Chronicle

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Client Sample ID: Well B

**Lab Sample ID: 810-17720-5**

**Date Collected: 03/10/22 12:10**

**Matrix: Water**

**Date Received: 03/11/22 09:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 420.4 | | 1 | 236798 | 03/23/22 11:42 | CBM8 | ELLE |
| Total/NA | Analysis | 5540C - 2011 | | 1 | 235424 | 03/19/22 03:58 | UDS7 | ELLE |

## Client Sample ID: Spring

**Lab Sample ID: 810-17720-6**

**Date Collected: 03/10/22 14:00**

**Matrix: Water**

**Date Received: 03/11/22 09:15**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 420.4 | | 1 | 236798 | 03/23/22 10:18 | CBM8 | ELLE |
| Total/NA | Analysis | 5540C - 2011 | | 1 | 235424 | 03/19/22 03:58 | UDS7 | ELLE |

**Laboratory References:**

E CEI = E CEI, 730 SE Maynard Road, Cary, NC 27511

EA SB = Eurofins Eaton South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

# Accreditation/Certification Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Laboratory: Eurofins Eaton South Bend

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| West Virginia (DW) | State | 9927 C | 12-31-22 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 150.1 | | Drinking Water | pH |
| 180.1 | | Drinking Water | Turbidity |
| 200.7 | | Drinking Water | Calcium |
| 200.7 | | Drinking Water | Iron |
| 200.7 | | Drinking Water | Magnesium |
| 200.8 | | Drinking Water | Manganese |
| 200.8 | | Drinking Water | Silver |
| 200.8 | | Drinking Water | Zinc |
| 300.0 | | Drinking Water | Bromide |
| 300.0 | | Drinking Water | Chlorate |
| 300.0 | | Drinking Water | Chloride |
| 300.0 | | Drinking Water | Sulfate |
| 331.0 | | Drinking Water | Perchlorate |
| 353.2 | | Drinking Water | Nitrate Nitrite as N |
| 4500 Cl F Amine | | Drinking Water | Chloramines, Total |
| 4500 Cl F Amine | | Drinking Water | Dichloramine |
| 4500 Cl F Amine | | Drinking Water | Monochloramine |
| 4500 Cl F Amine | | Drinking Water | Nitrogen trichloride |
| 4500 Cl G | | Drinking Water | Free Chlorine |
| 4500 ClO2 D | | Drinking Water | Chlorine dioxide, Residual |
| 505 | 505 | Drinking Water | Total PCBs as DCB (Qualitative) |
| 522 | 522 | Drinking Water | 1,4-Dioxane |
| 524.2 | | Drinking Water | 1,1,1,2-Tetrachloroethane |
| 524.2 | | Drinking Water | 1,1,2,2-Tetrachloroethane |
| 524.2 | | Drinking Water | 1,1-Dichloroethane |
| 524.2 | | Drinking Water | 1,1-Dichloropropene |
| 524.2 | | Drinking Water | 1,2,3-Trichlorobenzene |
| 524.2 | | Drinking Water | 1,2,3-Trichloropropane |
| 524.2 | | Drinking Water | 1,2,4-Trimethylbenzene |
| 524.2 | | Drinking Water | 1,2-Dibromo-3-Chloropropane |
| 524.2 | | Drinking Water | 1,2-Dibromoethane (EDB) |
| 524.2 | | Drinking Water | 1,3,5-Trimethylbenzene |
| 524.2 | | Drinking Water | 1,3-Dichlorobenzene |
| 524.2 | | Drinking Water | 1,3-Dichloropropane |
| 524.2 | | Drinking Water | 2,2-Dichloropropane |
| 524.2 | | Drinking Water | 2-Chlorotoluene |
| 524.2 | | Drinking Water | 4-Chlorotoluene |
| 524.2 | | Drinking Water | 4-Isopropyltoluene |
| 524.2 | | Drinking Water | Bromobenzene |
| 524.2 | | Drinking Water | Bromochloromethane |
| 524.2 | | Drinking Water | Bromomethane |
| 524.2 | | Drinking Water | Chloroethane |
| 524.2 | | Drinking Water | Chloromethane |
| 524.2 | | Drinking Water | cis-1,3-Dichloropropylene |
| 524.2 | | Drinking Water | Dibromomethane |

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Laboratory: Eurofins Eaton South Bend (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 524.2 | | Drinking Water | Dichlorodifluoromethane |
| 524.2 | | Drinking Water | Hexachlorobutadiene |
| 524.2 | | Drinking Water | Isopropylbenzene |
| 524.2 | | Drinking Water | Methyl-tert-butyl Ether (MTBE) |
| 524.2 | | Drinking Water | m-Xylene & p-Xylene |
| 524.2 | | Drinking Water | Naphthalene |
| 524.2 | | Drinking Water | n-Butylbenzene |
| 524.2 | | Drinking Water | N-Propylbenzene |
| 524.2 | | Drinking Water | o-Xylene |
| 524.2 | | Drinking Water | sec-Butylbenzene |
| 524.2 | | Drinking Water | tert-Butylbenzene |
| 524.2 | | Drinking Water | trans-1,3-Dichloropropylene |
| 524.2 | | Drinking Water | Trichlorofluoromethane |
| 551.1 | 551,1 | Drinking Water | 1,1,1-Trichloro-2-propanone |
| 551.1 | 551,1 | Drinking Water | 1,1-Dichloro-2-propanone |
| 551.1 | 551,1 | Drinking Water | Bromochloroacetonitrile |
| 551.1 | 551,1 | Drinking Water | Chloropicrin |
| 551.1 | 551,1 | Drinking Water | Dibromoacetonitrile |
| 551.1 | 551,1 | Drinking Water | Dichloroacetonitrile |
| 551.1 | 551,1 | Drinking Water | Trichloroacetonitrile |
| 7500 Ra D | | Drinking Water | Combined Radium 226 + 228 |
| 9223B | | Drinking Water | Coliform, Total |
| 9223B | | Drinking Water | Escherichia coli |
| SimPlate | | Drinking Water | Heterotrophic Plate Count |
| SM 2120B | | Drinking Water | Color, Apparent |
| SM 2150B | | Drinking Water | Odor |
| SM 2320B | | Drinking Water | Alkalinity, Bicarbonate |
| SM 2320B | | Drinking Water | Alkalinity, Total |
| SM 2340B | | Drinking Water | Calcium hardness as calcium carbonate |
| SM 2340B | | Drinking Water | Hardness as calcium carbonate |
| SM 2340B | | Drinking Water | Magnesium hardness as calcium carbonate |
| SM 2510B | | Drinking Water | Specific Conductance |
| SM 2540C | | Drinking Water | Total Dissolved Solids |
| SM 2540D | | Drinking Water | Total Suspended Solids |
| SM7500_Rn_B | RAD Prep | Drinking Water | Radon 222 |

## Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| A2LA | Dept. of Defense ELAP | 1.01 | 11-30-22 |
| A2LA | ISO/IEC 17025 | 0001.01 | 11-30-22 |
| Alaska | State | PA00009 | 06-30-22 |
| Alaska (UST) | State | 17-027 | 02-28-23 |
| Arizona | State | AZ0780 | 03-12-23 |
| Arkansas DEQ | State | 88-0660 | 08-10-22 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Accreditation/Certification Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

## Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| California | State | 2792 | 02-02-22 * |
| Colorado | State | PA00009 | 06-30-22 |
| Connecticut | State | PH-0746 | 06-30-23 |
| DE Haz. Subst. Cleanup Act (HSCA) | State | 019-006 (PA cert) | 01-31-23 |
| Delaware (DW) | State | N/A | 01-31-23 |
| Florida | NELAP | E87997 | 06-30-22 |
| Georgia (DW) | State | C048 | 01-31-22 * |
| Hawaii | State | N/A | 01-31-23 |
| Illinois | NELAP | 200027 | 01-31-23 |
| Iowa | State | 361 | 03-02-22 * |
| Kansas | NELAP | E-10151 | 10-31-22 |
| Kentucky (DW) | State | KY90088 | 12-31-22 |
| Kentucky (UST) | State | 1.01 | 11-30-22 |
| Kentucky (WW) | State | KY90088 | 01-01-23 |
| Louisiana | NELAP | 02055 | 06-30-22 |
| Maine | State | 2019012 | 03-12-23 |
| Maryland | State | 100 | 06-30-22 |
| Massachusetts | State | M-PA009 | 06-30-22 |
| Michigan | State | 9930 | 01-31-23 |
| Minnesota | NELAP | 042-999-487 | 12-31-22 |
| Missouri | State | 450 | 01-31-25 |
| Montana (DW) | State | 0098 | 01-01-23 |
| Montana (UST) | State | <cert No.> | 02-01-23 |
| Nebraska | State | NE-OS-32-17 | 01-31-23 |
| New Hampshire | NELAP | 2730 | 01-10-23 |
| New Jersey | NELAP | PA011 | 06-30-22 |
| New York | NELAP | 10670 | 03-30-22 |
| North Carolina (DW) | State | 42705 | 07-31-22 |
| North Carolina (WW/SW) | State | 521 | 12-31-22 |
| North Dakota | State | R-205 | 01-31-23 |
| Oklahoma | NELAP | R-205 | 08-31-22 |
| Oregon | NELAP | PA200001 | 09-11-22 |
| PALA | Canada | 1978 | 09-16-24 |
| Pennsylvania | NELAP | 36-00037 | 01-31-23 |
| Rhode Island | State | LAO00338 | 12-30-22 |
| South Carolina | State | 89002 | 01-31-23 |
| Tennessee | State | 02838 | 01-31-23 |
| Texas | NELAP | T104704194-21-40 | 08-31-22 |
| USDA | US Federal Programs | P330-19-00197 | 07-03-22 |
| Vermont | State | VT - 36037 | 10-28-22 |
| Virginia | NELAP | 460182 | 06-14-22 |
| Washington | State | C457 | 04-12-22 |
| West Virginia (DW) | State | 9906 C | 12-31-22 |
| West Virginia DEP | State | 055 | 04-12-22 |
| Wyoming | State | 8TMS-L | 01-31-23 |
| Wyoming (UST) | A2LA | 1.01 | 11-30-22 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Method Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 524.2 | Total Trihalomethanes | EPA-DW | EA SB |
| 524.2 | Volatile Organic Compounds (GC/MS) | EPA-DW | EA SB |
| 522 | 1,4 Dioxane (GC/MS SIM) | EPA | EA SB |
| 525.2 | Semivolatile Organic Compounds (GC/MS) | EPA | EA SB |
| 548.1 | Endothall (GC/MS) | EPA | EA SB |
| 504.1 | EDB, DBCP and 1,2,3-TCP (GC) | EPA-DW | EA SB |
| 505 | Organochlorine Pesticides/PCBs (GC) | EPA | EA SB |
| 515.3 | Herbicides (GC) | EPA | EA SB |
| 551.1 | Chlorinated Disinfection Byproducts and Solvents (GC) | EPA | EA SB |
| 552.2 | Haloacetic Acids (HAAs) (GC) | EPA | EA SB |
| 552.2 THAA | Total Haloacetic Acids (GC) | EPA | EA SB |
| 300.0 | Anions, Ion Chromatography | EPA | EA SB |
| 317 | Bromate, Ion Chromatography | EPA | EA SB |
| 531.2 | Carbamate Pesticides (HPLC) | EPA | EA SB |
| 547 | Glyphosate (DAI HPLC) | EPA | EA SB |
| 549.2 | Diquat and Paraquat (HPLC) | EPA | EA SB |
| 331.0 | Perchlorate (LC/MS/MS) | EPA | EA SB |
| 533 | Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water | EPA | EA SB |
| 537.1 | Perfluorinated Alkyl Acids (LC/MS) | EPA | EA SB |
| 1613B | Tetra Chlorinated Dioxin in Drinking Water | EPA | ELLE |
| 200.7 | Metals (ICP) | EPA | EA SB |
| 200.8 | Metals (ICP/MS) | EPA | EA SB |
| 245.1 | Mercury (CVAA) | EPA | EA SB |
| SM 2340B | Total Hardness (as CaCO3) by calculation | SM | EA SB |
| 150.1 | pH (Electrometric) | MCAWW | EA SB |
| 180.1 | Turbidity, Nephelometric | MCAWW | EA SB |
| 335.4 | Cyanide, Total | MCAWW | EA SB |
| 353.2 | Nitrogen, Nitrate-Nitrite | MCAWW | EA SB |
| 420.4 | Phenolics, Total Recoverable | MCAWW | ELLE |
| 4500 Cl F Amine | Chloramines | SM | EA SB |
| 4500 Cl G | Chlorine, Free | SM | EA SB |
| 4500 ClO2 D | Chlorine Dioxide | SM | EA SB |
| 5540C - 2011 | Methlyene Blue Active Substant (MBAS) | SM | ELLE |
| Nitrate by calc | Nitrogen, Nitrate-Nitrite | SM | EA SB |
| SM 2120B | Color, Colorimetric | SM | EA SB |
| SM 2150B | Odor | SM | EA SB |
| SM 2320B | Alkalinity | SM | EA SB |
| SM 2510B | Conductivity, Specific Conductance | SM | EA SB |
| SM 2540C | Solids, Total Dissolved (TDS) | SM | EA SB |
| SM 2540D | Solids, Total Suspended (TSS) | SM | EA SB |
| SM 4500 F C | Fluoride | SM | EA SB |
| 7110B | Gross Alpha and Gross Beta Radioactivity | SM | EA SB |
| 7500 Ra D | Radium 226 Radium 228 Combined | SM | EA SB |
| SM7500 Ra B | Radium-226 | SM | EA SB |
| SM7500 Ra D | Radium-228 | SM | EA SB |
| SM7500_Rn_B | Radon | SM | EA SB |
| 9223B | Coliforms, Total, and E.Coli (Presence/Absence) | SM | EA SB |
| SimPlate | Heterotrophic Plate Count (HPC) | IDEXX | EA SB |
| Subcontract | Asbestos | None | E CEI |
| 1613B | Separatory Funnel (Liquid-Liquid) Extraction | EPA | ELLE |
| 245.1 | Preparation, Mercury | EPA | EA SB |
| 504.1 | Microextraction | EPA-DW | EA SB |
| 505 | Extraction, Organochlorine Pesticides/PCBs | EPA | EA SB |

# Method Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 515.3 | Extraction of Chlorinated Acids | EPA-DW | EA SB |
| 522 | Solid-Phase Extraction (SPE) | EPA | EA SB |
| 525.2 | Extraction of Semivolatile Compounds | EPA | EA SB |
| 533 | Extraction of Perfluorinated and Polyfluorinated Alkyl Acids | EPA | EA SB |
| 537.1 DW | Extraction of Perfluorinated Alkyl Acids | EPA | EA SB |
| 548.1 | Extraction of Endothall | EPA-DW | EA SB |
| 549.2 | Extraction of Diquat and Paraquat | EPA | EA SB |
| 551,1 | Extraction of Chlorinated Disinfection Byproducts and Chlorinated Solvents | EPA | EA SB |
| 552.2 | Microextraction | EPA | EA SB |
| Aliquot | Preparation, Extract aliquot | None | EA SB |
| Distill/CN | Distillation, Cyanide | None | EA SB |
| Filtration | Sample Filtration | None | EA SB |
| RAD Prep | Preparation, Radiologicals | None | EA SB |

**Protocol References:**

EPA = US Environmental Protection Agency
EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.
IDEXX = IDEXX Laboratories
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

E CEI = E CEI, 730 SE Maynard Road, Cary, NC 27511
EA SB = Eurofins Eaton South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

# Sample Summary

Client: Triad Engineering, Inc.
Project/Site: WV Drinking Water

Job ID: 810-17720-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 810-17720-1 | Well B | Drinking Water | 03/10/22 12:10 | 03/11/22 09:15 |
| 810-17720-2 | Spring | Drinking Water | 03/10/22 14:00 | 03/11/22 09:15 |
| 810-17720-5 | Well B | Water | 03/10/22 12:10 | 03/11/22 09:15 |
| 810-17720-6 | Spring | Water | 03/10/22 14:00 | 03/11/22 09:15 |

W220101 W2540-W2541

**South Bend, IN**
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

# Chain of Custody Record

eurofins Environment Testing America

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Mattheis, Joe | Carrier Tracking No(s): | COC No: 810-2417.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: joe.mattheis@eurofinset.com | State of Origin: Maryland | Page: Page 1 of 1 |
| Company: Eurofins CEI Inc | | Accreditations Required (See note): State - West Virginia (DW) | | Job #: 810-17720-1 |
| Address: 730 SE Maynard Road, | Due Date Requested: 3/25/2022 | | | |
| City: Cary | TAT Requested (days): | | | |
| State, Zip: NC, 27511 | | | | |
| Phone: | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: WV Drinking Water | Project #: 81002211 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

| | |
|---|---|
| A - HCL | M - Hexane |
| B - NaOH | N - None |
| C - Zn Acetate | O - AsNaO2 |
| D - Nitric Acid | P - Na2O4S |
| E - NaHSO4 | Q - Na2SO3 |
| F - MeOH | R - Na2S2O3 |
| G - Amchlor | S - H2SO4 |
| H - Ascorbic Acid | T - TSP Dodecahydrate |
| I - Ice | U - Acetone |
| J - DI Water | V - MCAA |
| K - EDTA | W - pH 4-5 |
| L - EDA | Z - other (specify) |

Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | SUB (Asbestos)/ Asbestos | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | |
| ✓ Well B (810-17720-1) | 3/10/22 | 12:10 Eastern | | Drinking Wate | | | X | 1 | 3.2 |
| ✓ Spring (810-17720-2) | 3/10/22 | 14:00 Eastern | | Drinking Wate | | | X | 1 | 2.7 |

Please proceed out of hold time ss 3-15-22

eurofins | cei Accept Samples 10:10 3/16 PP PP

Note: Since laboratory accreditations are subject to change, Eurofins Eaton Analytical, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Eaton Analytical, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Eaton Analytical, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Eaton Analytical, LLC.

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| Unconfirmed | ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| | Relinquished by: | 3-15-22 1600 | EEA | | | |
| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|

Ver: 06/08/2021

4/21/2022

March 25, 2022

Eurofins Eaton Analytical
110 S. Hill Street
South Bend, IN 46617

**CLIENT PROJECT:** WV Drinking Water, 81002211
**LAB CODE:** W220101

Dear Customer:

Enclosed are asbestos analysis results for TEM drinking water samples received at our laboratory on March 16, 2022. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per the US EPA 100.2 Method.

The current EPA regulatory limit for asbestos in drinking water is 7 million fibers per liter (MFL, > 10 µm in length). The analytical sensitivity for the EPA 100.2 method is 0.2 MFL.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

eurofins | CEI

# ASBESTOS ANALYTICAL REPORT
# By: Transmission Electron Microscopy

**Prepared for**

## Eurofins Eaton Analytical

CLIENT PROJECT: WV Drinking Water, 81002211

LAB CODE: W220101

TEST METHOD: EPA 100.2

REPORT DATE: 03/25/22

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

# ASBESTOS IN DRINKING WATER ANALYSIS
## By: TRANSMISSION ELECTRON MICROSCOPY

**Client:** Eurofins Eaton Analytical
110 S. Hill Street
South Bend, IN 46617

| | | | |
|---|---|---|---|
| | | **Lab Code:** | W220101 |
| **Time Collected:** | 12:10 PM | **Date Collected:** | 03-10-22 |
| **Time Received:** | 10:10 AM | **Date Received:** | 03-16-22 |
| **Time Filtered:** | 3:00 PM | **Date Filtered:** | 03-23-22 |
| **Time Analyzed:** | 7:57 AM | **Date Analyzed:** | 03-25-22 |
| **Avg Grid Opening Size:** | .01 $mm^2$ | **Date Reported:** | 03-25-22 |

**Project:** WV Drinking Water, 81002211

### TEM DRINKING WATER (EPA 100.2)

| Client ID / Lab ID | Sample Volume Filtered | Dilution Factor | Effective Filter Area ($mm^2$) | # Of Grid Openings Analyzed | Total Area of Filter Examined | Analytical Sensitivity (MFL) | Asbestos Type | Concentration >10 µm | Concentration (MFL) | Confidence Limit Lower | Confidence Limit Upper |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Well B(810 -17720-1) W2540 | 100 | 1 | 1060 | 6 | 0.06 | 0.177 | None Detected | 0 | **<.18** | 0.0 | <0.65 |
| Sample ozonated prior to analysis due to lab receipt time exceeding 48 hr method hold time. | | | | | | | | | | | |
| Spring (810 -17720-2) W2541 | 100 | 2 | 1060 | 11 | 0.11 | 0.193 | None Detected | 0 | **<.19** | 0.0 | <0.71 |
| Sample ozonated prior to analysis due to lab receipt time exceeding 48 hr method hold time. | | | | | | | | | | | |

eurofins | CEI

**LEGEND:** MFL = million fibers per liter , > 10 um in length
NSD = no asbestos structures detected
ml = milliliter
CHRY = chrysotile
um = micrometer
CROC = crocidolite
mm = millimeter

**METHOD:** EPA 100.2

**ANALYTICAL SENSITIVITY:** 0.2 MFL

**MAXIMUM CONTAMINANT LEVEL:** 7 MFL

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of customer submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the customer. Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

Sample bottle was not provided by Eurofins CEI.
For the current states of certification please refer to the website: www.EurofinsUS.com/CEI

**ANALYST:** Brunilda Gjoka
Brunilda Gjoka

**APPROVED BY:**
Tianbao Bai, Ph.D., CIH
Laboratory Director

**TestAmerica Pittsburgh**
301 Alpha Drive

Pittsburgh, PA 15238
phone 412.963.7058 fax 412.963.2470

# Chain of Custody Record

Harrisburg #267

2211

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

**TestAmerica Laboratories, Inc.**

| Client Contact | Project Manager: | Site Contact: N. CK Wolfe | Date: | COC No: |
|---|---|---|---|---|
| Company: Triad Engineering | Tel/Fax: | Lab Contact: NWolfe@triadeng.com | Carrier: | ____ of ____ COCs |
| Address: 1075 D Sherman Ave | **Analysis Turnaround Time** | | | Job No. |
| City/State/Zip: Hagerstown, MD 21740 | Calendar ( C ) or Work Days (W) ____ | | | |
| Phone: 301-797-6400 | TAT if different from Below ____ | | | SDG No. |
| FAX | ☐ 2 weeks | | | |
| Project Name: Turkey Run | ☐ 1 week | | | |
| Site: Turkey Run | ☐ 2 days | | | |
| PO # | ☐ 1 day | | | |

810-17720 Chain of Custody

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | Sample Specific Notes: |
|---|---|---|---|---|---|---|
| Well B | 3/10/22 | 12:10 | G | W | | 0°C, 0°C, 0°C |
| Spring | 3/10/22 | 14:00 | G | W | | 0°C, 0°C |

522 pH adjusted upon receipt
549 pH adjusted upon receipt / SS 3-14-22

Client Provided Sample Container

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

*Possible Hazard Identification*
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B ☐ Unknown ☐

*Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

**Special Instructions/QC Requirements & Comments:**
Spring does not have all preservatives — OK to proceed out of hold time if necessary per NT. OK to add preservative or adjust if necessary SS 3-14-22

| Relinquished by: | Company: | Date/Time: | Received by: | Company: | Date/Time: |
|---|---|---|---|---|---|
| Erica [illegible] | Triad | 3/10/22 1745 | R. W. Stull | ETA | 3/10/22 1745 |
| R. W. Stull | ETA | 3/10/22 1800 | M. FED EX | | |
| | | | SS [illegible] | EEA | 3-11-22 0915 |

eurofins | Eaton Analytical

# Kit Order for Triad Engineering, Inc.

Rachelle Arada is your Eurofins Eaton Analytical, LLC Service Manager

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (866) 988-3757

Created Date & Time: 3/8/2022 3:11:43PM

**Note: Sampler Please return this paper with your samples**

Harrisburg
#267

**Kit #:** 314729[redacted]
**Created By:** Rachelle Arada - [L6NW]
**Deliver By:** 03/10/2022
**STG:** Bottle Orders
**Ice Type:** W

**Client ID:** TRIADENG-MD[redacted]
**Project Code:** WATERTESTING Bottle Orders
**Group Name:** FULL TEST
**PO#/JOB#:**
**Description:** No Schedule

**Ship Sample Kits to**
Triad Engineering, Inc.
1075 Sherman Ave
Hagerstown, MD 21740

Attn: Nicke Wolfe
Phone: 301-797-6400
Fax: 301-979-2424

**Send Report to**
Triad Engineering, Inc.
1075 Sherman Ave
Hagerstown, MD 21740

Attn: Nicke Wolfe
Phone: 301-797-6400
Fax: 301-979-2424

**Billing Address**
Triad Engineering, Inc.
10541 Teays Valley Road
Scott Depot, WV 25560

Attn: Karen Means
Phone: 304-755-0721
Fax: 304-755-1880

| # of Sample | Tests | Bottle Qty - Type [ preservative information ] | Total | UN DOT # |
|---|---|---|---|---|
| 1 | @QUANT2000 18HR | 1 - 100ml poly sterilized [ 0.25 ml Thio (8%) ] | 1 | |
| 1 | Heterotrophic Plate Count | 1 - 100ml sterile COLILERT container [ THIO xls ] | 1 | |
| 1 | Phenolic Compounds-low level | 2 - 125ml amber glass [ 0.5 ml H2SO4 (50%) ] | 2 | UN1830 |
| 1 | @DIOXANE | 3 - 125ml amber glass [ 6.88 Sulfite +138 mg Bisulfate ] | 3 | |
| 1 | Chloramines, Chlorine Dioxide, Free Chlorine Residual, Total Chlorine Residual | 1 - 125ml amber glass [ no preservative ] | 1 | |
| 1 | Glyphosate | 1 - 125ml amber glass [ no preservative ] | 1 | |
| 1 | @331-PHG | 1 - 125ml poly [ no preservative ] | 1 | |
| 1 | @ANIONS28, @ANIONS48, @DBP_28 | 1 - 125ml poly [ no preservative ] | 1 | |
| 1 | @2378-TCDD_Dioxin | 2 - 1L amber glass [ 1 ml Thio 8% ] | ~~2~~ | |
| 1 | @525 | 2 - 1L amber glass [ 2ml of 6N HCl ] | 2 | UN1789 |
| | 2,3,7,8-TCDD | 2 - 1L amber glass [ no preservative ] | ~~2~~ 4 ss | |
| 1 | Apparent Color, Odor at 60 C (TON), Turbidity | 1 - 1L amber glass [ no preservative ] | 1 | |
| 1 | @549 | 1 - 1L amber poly [ no preservative ] | 1 | |
| 1 | @RA226 GA, @RA228 GA | 3 - 1L poly [ 4 ml HNO3 18% ] | 3 | UN2031 |
| 1 | Asbestos by TEM - >10 microns | 1 - 1L poly sonicated [ no preservative ] | 1 | |
| 1 | Cyanide | 1 - 250 ml poly [ 2 ml NaOH (30%)+6 scoops AA ] | 1 | |
| 1 | Fluoride | 1 - 250 ml poly [ no preservative ] | 1 | |
| 1 | @533 | 2 - 250 ml polypro w polypro cap [ 0.25g ammonium acetate ] | 2 | |
| 1 | ~~@533 FB~~ | ~~1 - 250 ml polypro w polypro cap [ FB_0.25g ammonium acetate ]~~ | ~~1~~ | |
| 1 | ~~@533 FB WATER~~ | ~~1 - 250 ml polypro w polypro cap [ H2O ]~~ | ~~1~~ | |
| 1 | Endothall | 1 - 250ml amber glass [ no preservative ] | 1 | |
| 1 | Alkalinity in CaCO3 units, PH (H3=past HT not compliant), Specific Conductance | 1 - 250ml poly [ no preservative ] | 1 | |
| 1 | @537.1 | 2 - 275 ml polypro w polypro cap [ 1.4 g Trisma ] | 2 | Not received for Spring ss 3-11-22 |
| 1 | @537.1 FB | 1 - 275 ml polypro w polypro cap [ FB_1.4 g Trisma ] | 1 | |

eurofins | Eaton Analytical

**Kit Order for** Triad Engineering, Inc.

Rachelle Arada is your Eurofins Eaton Analytical, LLC Service Manager

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (866) 988-3757

Created Date & Time: 3/8/2022 3:11:43PM

**Note: Sampler Please return this paper with your samples**

Harrisburg
#267

**Kit #:** 314729[redacted]
**Created By:** Rachelle Arada - [L6NW]
**Deliver By:** 03/10/2022
**STG:** Bottle Orders
**Ice Type:** W

**Client ID:** TRIADENG-MD[redacted]
**Project Code:** WATERTESTING Bottle Orders
**Group Name:** FULL TEST
**PO#/JOB#:**
**Description:** No Schedule

| Ship Sample Kits to | Send Report to | Billing Address |
|---|---|---|
| Triad Engineering, Inc.<br>1075 Sherman Ave<br>Hagerstown, MD 21740<br><br>Attn: Nicke Wolfe<br>Phone: 301-797-6400<br>Fax: 301-979-2424 | Triad Engineering, Inc.<br>1075 Sherman Ave<br>Hagerstown, MD 21740<br><br>Attn: Nicke Wolfe<br>Phone: 301-797-6400<br>Fax: 301-979-2424 | Triad Engineering, Inc.<br>10541 Teays Valley Road<br>Scott Depot, WV 25560<br><br>Attn: Karen Means<br>Phone: 304-755-0721<br>Fax: 304-755-1880 |

| # of Sample | Tests | Bottle Qty - Type [ preservative information ] | Total | UN DOT # |
|---|---|---|---|---|
| 1 | @537.1 FB WATER | 1 - 275 ml polypro w polypro cap [ no preservative + H20 ] | 1 | |
| 1 | @531 | 2 - 40ml amber glass vial [ 0.37g KH2Citrate+6mg ThioSO4 ] | 2 | |
| 1 | @505 | 4 - 40ml amber glass vial [ 1 drop Thio (8%) ] | 4 | |
| 1 | @VOA | 3 - 40ml amber glass vial [ 4drops 6N HCL (36%) ] | 3 | UN1789 |
| 1 | @HAA | 3 - 40ml amber glass vial [ 65 mg NH4Cl ] | 3 | |
| 1 | @504LOW | 3 - 40ml amber glass vial [ no preservative ] | 3 | |
| 1 | @RN | 2 - 40ml amber glass vial [ no preservative ] | 2 | |
| 1 | @ICP, @ICPMS, Mercury ICPMS | 1 - 500ml acid poly [ 2ml HNO3 (18%) ] | 1 | UN2031 |
| 1 | @900 | 1 - 500ml poly [ 2ml 18%HNO3+125ml poly/no pres ] | 1 | UN2031 |
| 1 | Surfactants | 1 - 500ml poly [ no preservative ] | 1 | |
| 1 | Total Dissolved Solid (TDS), Total Suspended Solids (TSS) | 1 - 500ml poly [ no preservative ] | 1 | |
| 1 | @515.4 | 4 - 60ml amber glass [ 3 mg NaSulfite ] | 4 | |
| 1 | @551SODA | 3 - 60ml amber glass vial [ 1g (1%NaPhos/99%KPhos+ 0.6%NH4CL /vial ] | 3 | |
| 1 | @DBP_14, Bromate by UV/VIS | 1 - 60mL poly [ 0.3 mL 1% EDA solution ] | 1 | |

**Sum Tests:** 38 **Sum Bottles:** 64

**Comments**

SHIPPING: Please provide COC and sampling instructions.

2 Sites. Well B & Spring
Well B Samples taken @ 12:10 on 3/10/22
Spring Samples taken @ 1400 on 3/10/22

Taken by Erin Rinehart
Relinquished by Erin Rinehart @ 17:45 3/10/22
RECIEVED 3/10/22 1745 R.
RELINQUISHED 3/10/22 1880 R.

| Code | Status | Date Shipped | Via | Tracking # | # of Coolers | Prepared By |
|---|---|---|---|---|---|---|
| | | | | | 1 | TB/MED 6X |



4/21/2022

**South Bend, IN**
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

# Chain of Custody Record

eurofins | Environment Testing America

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Mattheis, Joe | Carrier Tracking No(s): | COC No: 810-2416.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: joe.mattheis@eurofinset.com | State of Origin: Maryland | Page: Page 1 of 1 |
| Company: Eurofins Lancaster Laboratories Env, LLC | | Accreditations Required (See note): State - West Virginia (DW) | | Job #: 810-17720-1 |
| Address: 2425 New Holland Pike, | Due Date Requested: 3/24/2022 | | | |
| City: Lancaster | TAT Requested (days): | | | |
| State, Zip: PA, 17601 | | | | |
| Phone: 717-656-2300(Tel) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: WV Drinking Water | Project #: 81002211 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 1613B_DW/1613B_P_Sep 2,3,7,8-TCDD | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | |
| ✓ Well B (810-17720-1) | 3/10/22 | 12:10 Eastern | | Drinking Wate | | | X | 2 | |
| ✓ Spring (810-17720-2) | 3/10/22 | 14:00 Eastern | | Drinking Wate | | | X | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Eaton Analytical, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Eaton Analytical, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Eaton Analytical, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Eaton Analytical, LLC.

| *Possible Hazard Identification* | *Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)* |
|---|---|
| *Unconfirmed* | ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |
| Empty Kit Relinquished by: | Date: Time: Method of Shipment: |

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| Relinquished by: | 315 22 1600 | EEA | | | |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: 3/16/22 9:44 | Company ELE |

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.1

Ver: 06/08/2021

**South Bend, IN**
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

# Chain of Custody Record

eurofins | Environment Testing America

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Mattheis, Joe | Carrier Tracking No(s): | COC No: 810-2456.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: joe.mattheis@eurofinset.com | State of Origin: Maryland | Page: Page 1 of 1 |
| Company: Eurofins Lancaster Laboratories Env, LLC | | Accreditations Required (See note): State - West Virginia (DW) | | Job #: 810-17720-1 |
| Address: 2425 New Holland Pike, , | Due Date Requested: 3/24/2022 | | | |
| City: Lancaster | TAT Requested (days): | | | |
| State, Zip: PA, 17601 | | | | |
| Phone: 717-656-2300(Tel) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: WV Drinking Water | Project #: 81002211 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

| | |
|---|---|
| A - HCL | M - Hexane |
| B - NaOH | N - None |
| C - Zn Acetate | O - AsNaO2 |
| D - Nitric Acid | P - Na2O4S |
| E - NaHSO4 | Q - Na2SO3 |
| F - MeOH | R - Na2S2O3 |
| G - Amchlor | S - H2SO4 |
| H - Ascorbic Acid | T - TSP Dodecahydrate |
| I - Ice | U - Acetone |
| J - DI Water | V - MCAA |
| K - EDTA | W - pH 4-5 |
| L - EDA | Z - other (specify) |

Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 5540C/ Copy Analytes * | 420.4 | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | |
| ✓ Well B (810-17720-5) | 3/10/22 | 12:10 Eastern | | Water | | | X | X | 3 | |
| ✓ Spring (810-17720-6) | 3/10/22 | 14:00 Eastern | | Water | | | X | X | 3 | |

OK to proceed out of hold time * SS 3-17-22

Note. Since laboratory accreditations are subject to change, Eurofins Eaton Analytical, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Eaton Analytical, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Eaton Analytical, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Eaton Analytical, LLC.

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| Unconfirmed | ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by | Date/Time | Company | Received by | Date/Time | Company |
|---|---|---|---|---|---|---|
| 1 | [signature] | 3-17-22 1600 | EEA | | | |
| 2 | | | | | | |
| 3 | | | | | 3/18/22 1045 | |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.7 |
|---|---|---|

Ver: 06/08/2021

AEH

# Login Sample Receipt Checklist

Client: Triad Engineering, Inc.

Job Number: 810-17720-1

**Login Number: 17720**
**List Number: 1**
**Creator: Spurgeon, Sheri**

**List Source: Eurofins Eaton South Bend**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Samples do not require splitting or compositing. | True | |
| Container provided by EEA | False | Client provided containers |

# Login Sample Receipt Checklist

Client: Triad Engineering, Inc.

Job Number: 810-17720-1

**Login Number: 17720**
**List Number: 2**
**Creator: McCaskey, Jonathan**

**List Source: Eurofins Lancaster Laboratories Environment Testing, LLC**
**List Creation: 03/16/22 09:50 AM**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable (</=6C, not frozen). | True | |
| Cooler Temperature is recorded. | True | |
| WV: Container Temperature is acceptable (</=6C, not frozen). | N/A | |
| WV:  Container Temperature is recorded. | N/A | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| There is sufficient vol. for all requested analyses. | True | |
| Is the Field Sampler's name present on COC? | False | Received project as a subcontract. |
| Sample custody seals are intact. | N/A | |

# Login Sample Receipt Checklist

Client: Triad Engineering, Inc.

Job Number: 810-17720-1

**Login Number: 17720**
**List Number: 3**
**Creator: Hess, Anna**

**List Source: Eurofins Lancaster Laboratories Environment Testing, LLC**
**List Creation: 03/18/22 11:19 AM**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal is intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable (</=6C, not frozen). | True | |
| Cooler Temperature is recorded. | True | |
| WV: Container Temperature is acceptable (</=6C, not frozen). | N/A | |
| WV:  Container Temperature is recorded. | N/A | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| There is sufficient vol. for all requested analyses. | True | |
| Is the Field Sampler's name present on COC? | False | Received project as a subcontract. |
| Sample custody seals are intact. | N/A | |

3020 VENTRIE COURT
MYERSVILLE, MD 21773

FTL LABS
FREDERICKTOWNE LABS ENVIRONMENTAL TESTING

(301) 293-3340
INFO@FTLLAB.COM

**Client:** Triad Engineering, Inc.
10541 Teays Valley Road
Scott Depot, WV 25560

**Project:** Turkey Run

**Site:** N/A

## Work order: FWC0147

Received at lab: 03/11/22 11:00
Date Reported: 03/14/22 15:00
Collected by: Erika Rundquist
Treatment: N/A

**Source: Well MW-13@ Turkey Run**
(Groundwater)(Grab) Collected: 3/11/2022 9:16:00AM

*Data Analyzed by: Fredricktowne Labs:*

| Lab ID | Parameter | Result | Units | MRL | Prepared | Analyzed | Analyst | Qual | Method |
|---|---|---|---|---|---|---|---|---|---|
| FWC0147-01 | Bacteria - Total Coliform | 200 | cfu/100 ml | 1 | 03/11/22 15:30 | 03/12/22 10:38 | JD | | 9223B |
| FWC0147-01 | Bacteria - E coli | 10 | cfu/100 ml | 1 | 03/11/22 15:30 | 03/12/22 10:38 | JD | | 9223B |
| FWC0147-01 | Bact.- Stand. Plate Count | 100 | CFU/10 0 mL | 2.0 | 03/11/22 15:16 | 03/14/22 08:21 | JD | | Simplate® |

**Source: Spring Middle of Pool**
(Groundwater)(Grab) Collected: 3/11/2022 9:30:00AM

*Data Analyzed by: Fredricktowne Labs:*

| Lab ID | Parameter | Result | Units | MRL | Prepared | Analyzed | Analyst | Qual | Method |
|---|---|---|---|---|---|---|---|---|---|
| FWC0147-02 | Bacteria - Total Coliform | 330 | cfu/100 ml | 1 | 03/11/22 15:30 | 03/12/22 10:38 | JD | | 9223B |
| FWC0147-02 | Bacteria - E coli | 3 | cfu/100 ml | 1 | 03/11/22 15:30 | 03/12/22 10:38 | JD | | 9223B |
| FWC0147-02 | Bact.- Stand. Plate Count | 108 | CFU/10 0 mL | 2.0 | 03/11/22 15:16 | 03/14/22 08:21 | JD | | Simplate® |

Sara E. Randall, President

*Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory*
*Maryland Cert. No. 116 Virginia Cert. No. 00444*
*West Virginia Cert. 415 MDOT WBE Cert. No.: 91-158*

# CHAIN OF CUSTODY

FREDERICKTOWNE LABS, INC.
3020 VENTRIE CT., PO BOX 245, MYERSVILLE, MD 21773
301-293-3340 OR FAX 301-293-2366

Phone Number: 301-797-64[illegible]

Email: nwolfe@trioeng.com

FTL Acct. No.: EWC0147

Project: Name & Address
Turkey Run

Collected By: (Please Print)
Erika Rundquist

Affiliation:
Trio Engineering

| Field Sample ID | Site Description | Collection Date | Collection Time | Matrix DW/ WW | pH | Res. Cl | DO | Temp | Grab/ Comp | Analyses To Be Performed: Quant 2 DNA 18 HPB | Heter-Mixic Plate Count | | | | | Preservation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well 13 | Well MW-13 in Turkey Run | 3/11/22 | 9:16 | GW | | | | | G | ✓ | ✓ | | | | | |
| Spring | Middle of Pool | 3/10/22 | 9:30 | GW | | | | | G | ✓ | ✓ | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| (Print): Erika Rundquist | 3/11/22 | (Print): Nicole Daily | 3/11/22 |
| (Signature): Erika Rundquist | 11:00 | (Signature): Nicole Daily | 1100 |
| Relinquished By: | Date/Time | Received By: | Date/Time |
| (Print): | | (Print): | |
| (Signature): | | (Signature): | |
| Relinquished By: | Date/Time | Received By: | Date/Time |
| (Print): | | (Print): | |
| (Signature): | | (Signature): | |

**Treatment Devices Present:** Yes ☐ No ☐

**DescribeTreatment Device(s):**

**Lead & Copper Samples - Water Last Used:**
Date: Time:

**Method of Shipment:** **Iced:** Yes ☐ No ☐

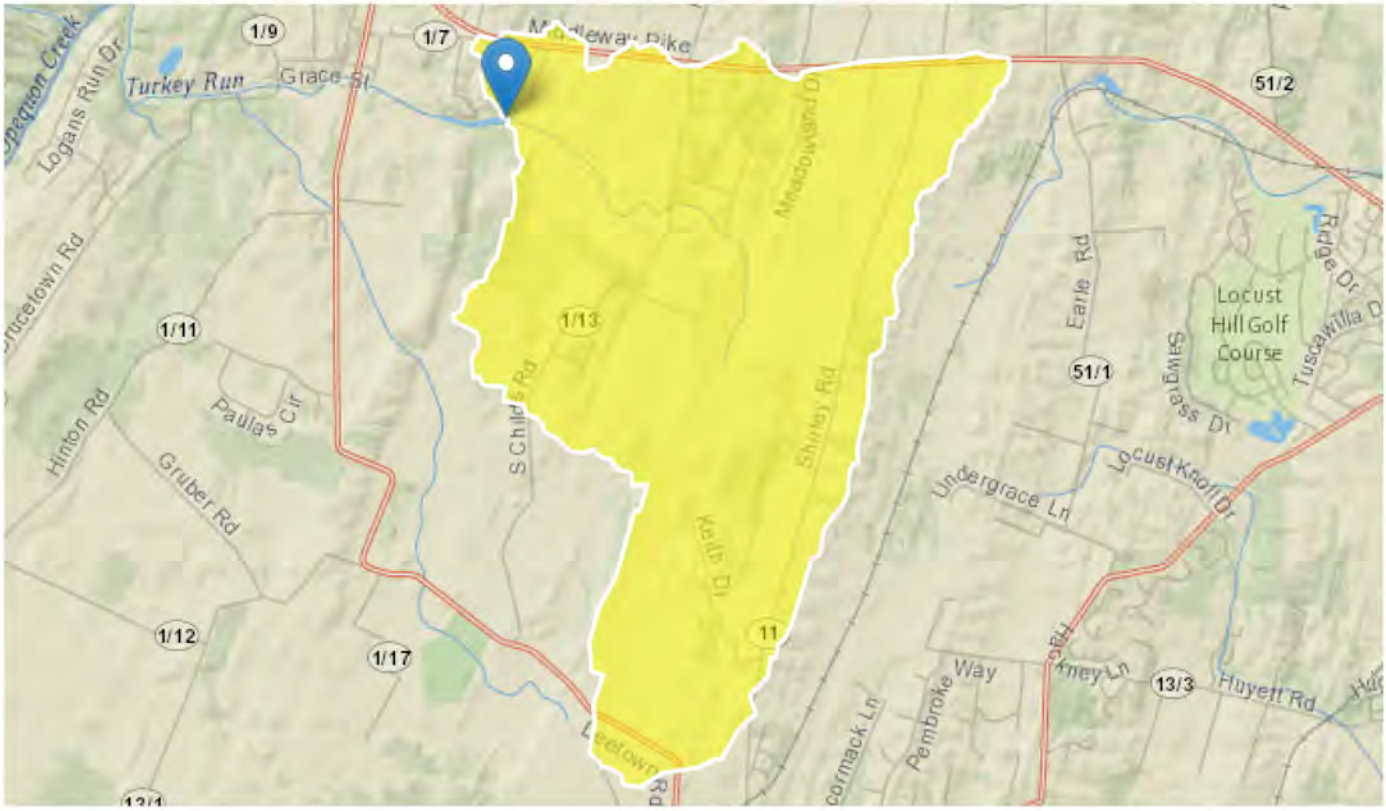
**Condition of Sample(s) upon Receipt:**
7.7°

# Appendix F

USGS StreamStats Report

# StreamStats Report

**Region ID:** WV
**Workspace ID:** WV20220331025204819000
**Clicked Point (Latitude, Longitude):** 39.30007, -77.97034
**Time:** 2022-03-30 22:52:26 -0400




## Basin Characteristics

| Parameter Code | Parameter Description | Value | Unit |
|---|---|---|---|
| CARBON | Percentage of area of carbonate rock | 98.8 | percent |
| DRNAREA | Area that drains to a point on a stream | 4.74 | square miles |
| ELEV | Mean Basin Elevation | 576 | feet |
| ELEVMAX | Maximum basin elevation | 667 | feet |
| I24H2Y | Maximum 24-hour precipitation that occurs on average once in 2 years - Equivalent to precipitation intensity index | 2.86 | inches |

| Parameter Code | Parameter Description | Value | Unit |
|---|---|---|---|
| LAT_CENT | Latitude of Basin Centroid | 39.285782 | decimal degrees |
| LC06AGRI | Percent agriculture computed as total of grass, pasture, and crops, NLCD classes 71, 81 and 82 | 75.1 | percent |
| LC06BARE | Percent of area covered by barren rock using 2006 NLCD | 0 | percent |
| LC06DEV | Percentage of land-use from NLCD 2006 classes 21-24 | 5.8 | percent |
| LC06FORSHB | Percentage of forests and shrub lands, classes 41 to 52, from NLCD 2006 | 18.4 | percent |
| LC06GRASS | Percent of area covered by grassland/herbaceous using 2006 NLCD | 0.5 | percent |
| LC06WATER | Percent of open water, class 11, from NLCD 2006 | 0 | percent |
| LC06WETLND | Percent of area covered by wetland using 2006 NLCD | 0.1 | percent |
| LC11AGRI | Percent agriculture computed as total of grass, pasture, and crops, NLCD classes 71, 81 and 82 | 75.1 | percent |
| LC11BARE | Percentage of barren from NLCD 2011 class 31 | 0 | percent |
| LC11DEV | Percentage of developed (urban) land from NLCD 2011 classes 21-24 | 5.8 | percent |
| LC11FORSHB | Percentage of forests and shrub lands, classes 41 to 52, from NLCD 2011 | 18.8 | percent |
| LC11GRASS | Percent of area covered by grassland/herbaceous using 2011 NLCD | 0.2 | percent |
| LC11WATER | Percent of open water, class 11, from NLCD 2011 | 0 | percent |
| LC11WETLND | Percentage of wetlands, classes 90 and 95, from NLCD 2011 | 0.1 | percent |
| LC16AGRI | Percent agriculture computed as total of grass, pasture, and crops, NLCD 2016 classes 71, 81 and 82 | 75.1 | percent |
| LC16BARE | Percentage of barren from NLCD 2016 class 31 | 0 | percent |
| LC16DEV | Percentage of land-use categories 21-24 from NLCD 2016 | 5.8 | percent |

| Parameter Code | Parameter Description | Value | Unit |
|---|---|---|---|
| LC16FORSHB | Percentage of forests and shrub lands, classes 41 to 52, from NLCD 2016 | 18.5 | percent |
| LC16GRASS | Percentage of grassland from NLCD 2016 class 71 | 0.3 | percent |
| LC16WATER | Percent of open water, class 11, from NLCD 2016 | 0 | percent |
| LC16WETLND | Percentage of wetlands, classes 90 and 95, from NLCD 2016 | 0.1 | percent |
| LONG_CENT | Longitude Basin Centroid | 77.953123 | decimal degrees |
| LOWREG | Low Flow Region Number | 1111 | dimensionless |
| MINBELEV | Minimum basin elevation | 510 | feet |
| PRECPRIS00 | Basin average mean annual precipitation for 1971 to 2000 from PRISM | 40.02 | inches |
| RELIEF | Maximum - minimum elevation | 157 | feet |
| SSURGODEP | Area-weighted average soil depth from NRCS SSURGO database | 13.28 | inches |
| SSURGOKSAT | Saturated hydraulic conductivity in micrometers per second from NRCS SSURGO database | 0.114 | micrometers per second |
| SSURGWATCP | Available water capacity of the top 60 inches of soil - determined from SSURGO data | 1.843 | inch per inch |

## General Flow Statistics Parameters [LowFlow Eastern Panhandle 2008 5105]

| Parameter Code | Parameter Name | Value | Units | Min Limit | Max Limit |
|---|---|---|---|---|---|
| DRNAREA | Drainage Area | 4.74 | square miles | 4.55 | 1619 |
| LC16DEV | Percent_developed_from_NLCD2016 | 5.8 | percent | 0 | 100 |
| CARBON | Percent Carbonate | 98.8 | percent | 0 | 100 |
| LOWREG | Low Flow Region Number | 1111 | dimensionless | 1111 | 1859 |

## General Flow Statistics Flow Report [LowFlow Eastern Panhandle 2008 5105]

PIl: Prediction Interval-Lower, PIu: Prediction Interval-Upper, ASEp: Average Standard Error of Prediction, SE: Standard Error (other -- see report)

| Statistic | Value | Unit | SE |
|---|---|---|---|
| Harmonic Mean Streamflow | 0.923 | ft^3/s | 43 |

*General Flow Statistics Citations*

**Wiley, Jeffrey B.,2008, Estimating Selected Streamflow Statistics Representative of 1930–2002 in West Virginia: U.S. Geological Survey Scientific Investigations Report 2008-5105, 24 p. (http://pubs.usgs.gov/sir/2008/5105/)**

USGS Data Disclaimer: Unless otherwise stated, all data, metadata and related materials are considered to satisfy the quality standards relative to the purpose for which the data were collected. Although these data and associated metadata have been reviewed for accuracy and completeness and approved for release by the U.S. Geological Survey (USGS), no warranty expressed or implied is made regarding the display or utility of the data for other purposes, nor on all computer systems, nor shall the act of distribution constitute any such warranty.

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Application Version: 4.8.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.1.2

# Appendix G

Flow Model Results

Predicted Drawdown Calculations

Recharge Calculations

**Turkey Run Flow Model Contour Map**

**Pumping MW-B at 1,200 gpm**

**Time elapsed: 1 Year**

***Not to Scale***

**Contour Interval: 0.1 foot Elevation**




TRIAD ENGINEERING, INC.

**Turkey Run Flow Model Contour Map**

**Pumping MW-B at 1,200 gpm**

**Time elapsed: 6 Years**

***Not to Scale***

**Contour Interval: 0.1 foot Elevation**




TRIAD ENGINEERING, INC.

**Turkey Run Flow Model Contour Map**

**Pumping MW-B at 1,200 gpm**

**Time elapsed: 12 Years**

***Not to Scale***

**Contour Interval: 0.1 foot Elevation**




TRIAD ENGINEERING, INC.

**Turkey Run Flow Model Contour Map**

**Pumping MW-B at 1,200 gpm**

**Time elapsed: 30 Years**

***Not to Scale***

**Contour Interval: 0.1 foot Elevation**




TRIAD ENGINEERING, INC.

**Turkey Run Flow Model Contour Map**

**Pumping MW-B at 2,000 gpm**

**Time elapsed: 1 Year**

***Not to Scale***

**Contour Interval: 0.1 foot Elevation**




TRIAD ENGINEERING, INC.

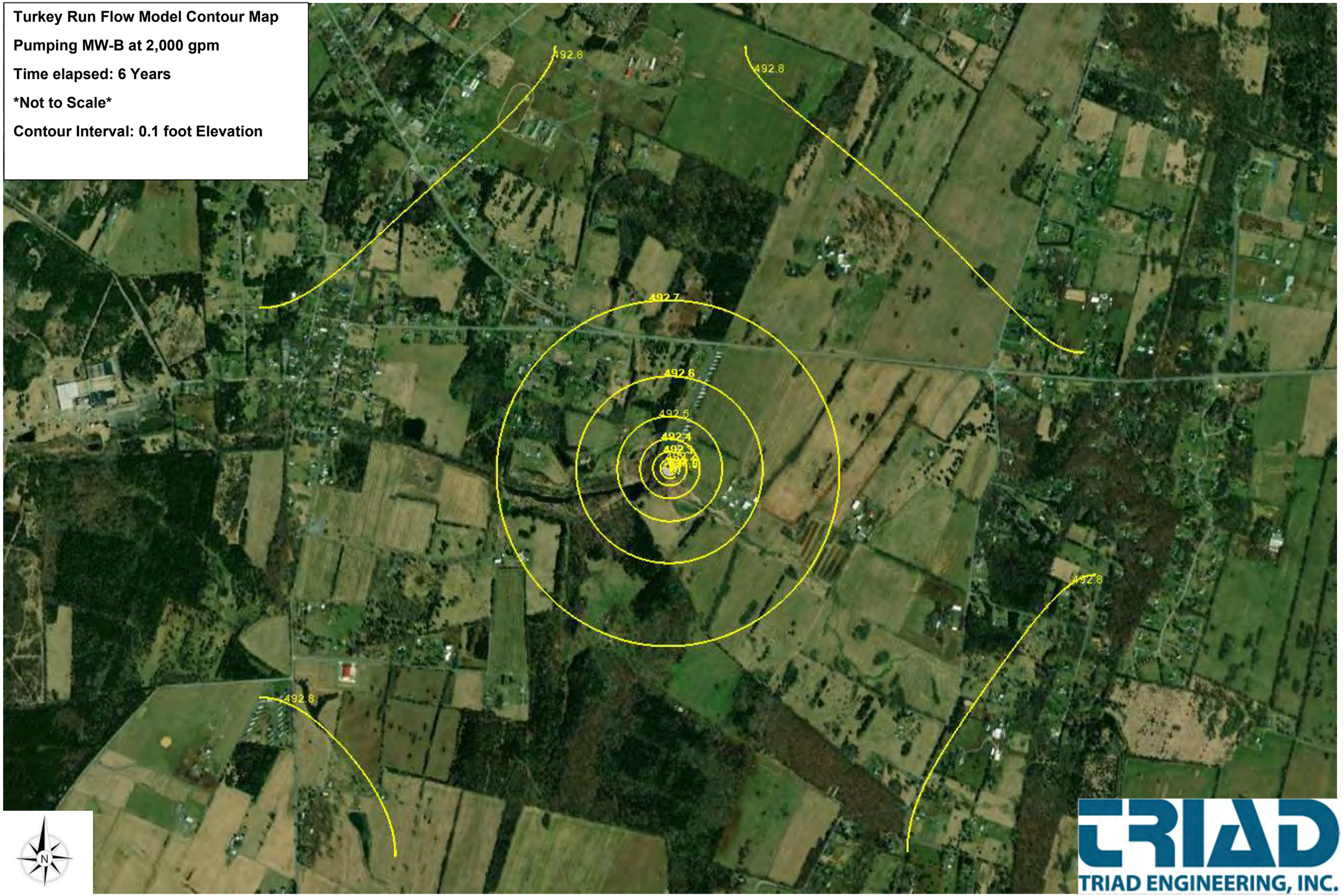
**Turkey Run Flow Model Contour Map**

**Pumping MW-B at 2,000 gpm**

**Time elapsed: 6 Years**

***Not to Scale***

**Contour Interval: 0.1 foot Elevation**




TRIAD ENGINEERING, INC.

**Turkey Run Flow Model Contour Map**

**Pumping MW-B at 2,000 gpm**

**Time elapsed: 12 Years**

***Not to Scale***

**Contour Interval: 0.1 foot Elevation**




TRIAD ENGINEERING, INC.

**Turkey Run Flow Model Contour Map**

**Pumping MW-B at 2,000 gpm**

**Time elapsed: 30 Years**

***Not to Scale***

**Contour Interval: 0.1 foot Elevation**




TRIAD ENGINEERING, INC.

**Turkey Run Flow Model Contour Map**

**Pumping MW-B at 1,200 gpm**

**DROUGHT CONDITIONS**

**Time elapsed: 1 Year**

***Not to Scale***

**Contour Interval: 0.1 foot Elevation**




TRIAD ENGINEERING, INC.

**Turkey Run Flow Model Contour Map**

**Pumping MW-B at 2,000 gpm**

**DROUGHT CONDITIONS**

**Time elapsed: 1 Year**

***Not to Scale***

**Contour Interval: 0.1 foot Elevation**




TRIAD ENGINEERING, INC.

## Predicted Future Drawdowns

Turkey Run Spring
Middleway, WV

Modified Theis Equation
μ=r^2S/4Tt  s=QW(μ)/4∏(T)

**Withdraw Rates: 1,200 and 2,000 gpm**

**No Recharge**

| Parameters | | Units | | |
|---|---|---|---|---|
| **Transmissivity (T) =** | 2,752,640 | gpd/ft | 368,000 | ft^2/day |
| **Storage Coefficient (S) =** | 2.88E-34 | unitless | | |
| **Discharge Rate (Q) =** | 1,728,000 | gpd | 1,200 | gpm |
| **Discharge Rate (Q) =** | 2,880,000 | gpd | 2,000 | gpm |

| | **Time (t) =** | **365 Days (1 Year)** | | | **Time (t) =** | **2190 Days (6 years)** | | | **Time (t) =** | **4380 Days (12 years)** | | | **Time (t) =** | **10,950 Days (30 years)** | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Distance r (ft)** | 10 | 100 | 1000 | 2000 | 10 | 100 | 1000 | 2000 | 10 | 100 | 1000 | 2000 | 10 | 100 | 1000 | 2000 |
| **μ** | 7.17E-42 | 7.17E-40 | 7.17E-38 | 2.87E-37 | 1.19E-42 | 1.19E-40 | 1.19E-38 | 4.78E-38 | 5.97E-43 | 5.97E-41 | 5.97E-39 | 2.39E-38 | 2.39E-43 | 2.39E-41 | 2.39E-39 | 9.55E-39 |
| **W(μ)** | *94.16* | *89.56* | *84.95* | *83.56* | *95.96* | *91.35* | *86.75* | *85.36* | *96.65* | *92.04* | *87.44* | *86.05* | *97.56* | *92.96* | *88.35* | *86.97* |
| **Drawdown in ft Q = 1.73 million gpd (1,200 gpm)** | 4.71 | 4.48 | 4.25 | 4.18 | 4.80 | 4.57 | 4.34 | 4.27 | 4.83 | 4.60 | 4.37 | 4.30 | 4.88 | 4.65 | 4.42 | 4.35 |
| **Drawdown in ft Q = 2.88 million gpd (2,000 gpm)** | 7.84 | 7.46 | 7.08 | 6.96 | 7.99 | 7.61 | 7.23 | 7.11 | 8.05 | 7.67 | 7.28 | 7.17 | 8.13 | 7.74 | 7.36 | 7.24 |

Italic and Red From Appendix 1; Fetter, 2001

## Predicted Future Drawdowns

Turkey Run Spring
Middleway, WV

Modified Theis Equation
$\mu = r^2 S / 4Tt$  $s = QW(\mu)/4\pi(T)$

**Withdraw Rates: 1,200 and 2,000 gpm**

### Drought Recharge

| Parameters | | Units | | | |
|---|---|---|---|---|---|
| **Transmissivity (T) =** | 2,752,640 | gpd/ft | 368,000 | ft^2/day | **Drought Year Recharge Rate:** 960.7 gpm |
| **Storage Coefficient (S) =** | 2.88E-34 | unitless | | | |
| **Discharge Rate (Q) =** | 3,111,408 | gpd | 2,161 | gpm | |
| **Discharge Rate (Q) =** | 4,263,408 | gpd | 2,961 | gpm | |

| | **Time (t) =** | **365 Days (1 Year)** | | |
|---|---|---|---|---|
| **Distance r (ft)** | 10 | 100 | 1000 | 2000 |
| **μ** | 7.17E-42 | 7.17E-40 | 7.17E-38 | 2.87E-37 |
| **W(μ)** | *94.16* | *89.56* | *84.95* | *83.56* |
| **Drawdown in ft Q = 1.73 million gpd (1,200 gpm)** | 8.47 | 8.06 | 7.65 | 7.52 |
| **Drawdown in ft Q = 2.88 million gpd (2,000 gpm)** | 11.61 | 11.04 | 10.48 | 10.30 |

Italic and Red From Appendix 1; Fetter, 2001

**Date:** 4/13/2022

# Recharge Calculations: General Stream Stats

**Basin Area:** 4.73 square miles (3,027.21 acres)
**Average Precipitation:** ~40 inches per year
**Drought Precipitation:** ~24.57 inches (1930 i4weather.net)
**Effective Recharge:** 10 inches per year (0.8333 ft)(25%)
**Effective Recharge During a Drought:** 6.14 inches per year (0.5119 ft)(25%)
**Available Recharge from Precipitation into the Basin:** 2,522.675 acre/ft/year (822,017,300 gallons/year) (1,563.96 gpm)
**Available Recharge from Precipitation into the Basin during a Drought:** 1,549.62 acre/ft/year (504,945,900 gallons/year) (960.70 gpm)

**Estimated withdraw**:

- 1,200 gpm: 630,720,000 gallons per year: 24% less than recharge
- 2,000 gpm: 1,051,200,000 gallons per year: 28% greater than recharge

*Important to note this calculation only takes into consideration the precipitation that falls withing the topographical drainage basin. This calculation assumes no other discharges.

# Non-Actionable Correspondence

Fair Shake
Environmental Legal Services

6425 Living Place, Suite 200
Pittsburgh, PA 15206
www.fairshake-els.org
412-664-5546

**VIA CERTIFIED MAIL AND EMAIL (*planningdepartment@jeffersoncountywv.org*)**
Jefferson County Planning Commission
C/o: Jennifer Brockman, Chief County Planner
116 East Washington St.
Charles Town, WV 25414

**COPY VIA CERTIFIED MAIL AND EMAIL (*ncochran@jcpawv.org; paoffice@jeffersoncountywv.org*)**
Jefferson County Prosecuting Attorney, Civil Division
Attn: Nathan Cochran, Esq.
124 E. Washington Street, 2nd Floor
Charles Town, WV 25414

Honorable Members of the Jefferson County Planning Commission,

The Jefferson County Foundation ("the Foundation"), through undersigned counsel, hereby requests that the Planning Commission postpone the Public Workshop for the Concept Plan for the Mountain Pure Water Bottling Facility near Middleway, West Virginia, that is presently scheduled for December 17, 2024. As explained below, the December 17 hearing cannot lawfully proceed because it clearly violates Jefferson County's Subdivision and Land Development Regulations (hereafter, the "Subdivision Regulations").

By way of background, the Concept Plan was denied as incomplete at a previous Public Workshop on November 12, 2024, because the plan did not include all the parcels of land relevant to the proposed concept nor did it disclose critical information, *e.g.*, the source of the water, necessary for the Planning Commission to adequately consider the concept. Following the denial, the applicant submitted an entirely new Concept Plan on November 18, 2024. And on November 21, 2024, a notice was published in *The Spirit of Jefferson* newspaper for a public workshop on the revised Concept Plan on December 17, 2024.

As you know, the Concept Plan is a critical initial part of any land development in Jefferson County. What happens in the Concept Plan process cannot be changed or cured in future steps of the process. As a result, failure to complete the requirements for the Concept Plan creates irreparable harm to those citizens who rely on the process to conform with legal protections and processes set out in the Subdivision Regulations and other applicable laws.

Here, the December 17 public workshop for the Concept Plan does not conform to the requirements in the Subdivision Regulations for at least 3 reasons.

1. The public workshop is scheduled for an *ad hoc* special meeting of the Planning Commission, as opposed to the "regularly scheduled" meeting required under Section 24.119.J of the Subdivision Regulations.[1]

2. The public workshop on December 17 is scheduled for 30 days after the day the application was submitted on November 18, despite the clear requirement in Section 24.119.J that there be at least a "45 day review period."[2]

3. Due to the shortened review period, agency review of the Concept Plan required under Section 24.119.B.7 is being short-circuited.[3] Upon information and belief, proper agency review will not be provided for on this version of the Concept Plan.

The Subdivision Regulations specifically require that other agencies be involved in the Concept Plan review. This is a critical part of the Concept Plan process. And as outlined in Sections 23.203 and 23.204 of the Subdivision Regulations (reproduced below), the agencies each have their own processes, meeting schedules and requirements, and qualified staff that must be involved in the review of the Concept Plan process.

> **Sec. 23.203 County Agencies**
> The following Jefferson County agencies are involved or may be involved in the subdivision and site development review process.
>
> A. **On-Site Water Supply and Sanitary Waste Disposal.** The Jefferson County Health Department and West Virginia Department of Health shall be responsible for the review of any on-site water supply or sanitary waste disposal for the proposed development. Approval needed at Preliminary Plat stage.
> B. **CentralizedWaterSupply/DistributionandSewageCollection/Treatment.** The Jefferson County Public Service District or other applicable local agency supplying centralized utilities, West Virginia Health Department, and WVDEP shall be responsible for the review and approval for any centralized sewer and water supply intended to serve the proposed development. Approval needed at Preliminary Plat stage.
> C. **Jefferson County Historical Landmarks Commission.** This body shall submit a report and findings on whether historical resources exist on the site of the proposed subdivision of site development. If there are, they shall submit

[1] "J. **Effect.** At the time of submission, the concept plan shall be placed on the 1st regularly scheduled Planning Commission meeting after the 45 day review period for the public workshop. Staff shall advertise the public workshop in a local newspaper of general circulation in the area one time at least twenty-one (21) days in advance of the meeting and send notice by mail to the adjoining property owners at least fourteen (14) days prior to the meeting. The applicant shall post notice on the property at least fourteen (14) days in advance of the meeting." Subdivision Regulations § 24.119.J.

[2] *Id.*

[3] "7. **Agency Reviews**. The reviewing agencies shall conduct reviews of the proposed concept plan. Agency comments shall be received by the Department fourteen (14) days prior to the scheduled public workshop." Subdivision Regulations § 24.119.B.7.

findings on whether the proposal meets the requirement of zoning with respect to such structures or places at Concept Plan stage.

D. **Jefferson County Parks and Recreation Department.** This body shall determine the adequacy of park, recreation, and trail facilities intended to serve a proposed residential development at Concept Plan stage. This is a courtesy review for park planning purposes.
E. **Jefferson County GIS/Addressing Office.** This body shall verify adequacy of proposed addresses, road names, and names of subdivisions in accordance with Jefferson County E 9-1-1 Addressing Ordinance. Approval needed at either Concept Plan or Preliminary Plat stage.
F. **Jefferson County Office of Engineering.** This body shall review and either approve or deny the Stormwater Management Plan relating to stormwater management.

**Sec. 23.204 Other Agencies**
The following are the responsibilities of other agencies:

A. **West Virginia Division of Highways (WVDOH).** WVDOH is responsible for reviewing the site access and potential improvements to public roads at Preliminary Plat stage.
B. **Jefferson County Schools.** The Board of Education should determine the adequacy of school facilities intended to serve a proposed residential development at Concept Plan stage. This is a courtesy review for school planning purposes.
C. **Emergency Services.** Fire, police, and EMS providers should determine the adequacy of emergency response and lifesaving services provided to their respective service area if potentially affected by a proposed subdivision or development project at Concept Plan stage.
D. **WVDEP.** DEP approval for NPDES, SWPPP, GPP, and other applicable approvals (if required) are needed prior to Preliminary Plat approval

This rushed schedule unlawfully prevents relevant agencies from providing important feedback on a wide range of issues affecting the public health, safety, and general welfare of the community. Among other issues, this water bottling plant intends to extract groundwater for bottling and, while the actual amount of extraction is not fully disclosed, it could have a substantial effect on water resources in Jefferson County. The failure to get these Agencies input on such an impactful proposed development is unacceptable. And it is not *de minimis*, for two reasons.

First, Section 24.214 (reproduced below) constrains all future parts of the subdivision process to the results of the Concept Plan meeting.

**Sec. 24.124 Major Site Plan Application - Approval**
After the close of the public hearing or at any meeting within 14 days thereafter, the Planning commission shall (1) approve the application, (2) approve the application with conditions, (3) deny the application, or (4) hold the application for up to 45 days for additional information.

A. **Approval.** If the site plan application **is consistent with the concept plan application** and meets all other requirements of these Regulations and the Zoning Ordinance and **has received sign-off from the agencies specified in Section 24.122(B)(13), *Other Agencies***, the Planning Commission shall approve the site plan application. (emphasis added)
B. **Denial.** Denial can only be done on the following basis:
    1. **The plan (plan, final engineering, or final landscaping) is inconsistent with the approved concept plan or conditions of said approval.** (emphasis added)
    2. Failure to provide surety.
C. **Site Plan Signing.** The Planning Commission President shall authorize the signing of the plan.
D. **Effect and Vesting.** The approval and signing of the site plan allows the applicant to provide surety, if necessary, and begin construction.[4]

Thus, by forcing Concept Plan into a premature, end-of-year, special hearing at which the agencies cannot provide their required review, the Planning Commission is effectively putting on blinders and intentionally excluding the agencies' feedback from being considered at any later point in this process.

Second, if this December 17 hearing goes forward, the public's due process right to be heard on the Concept Plan will be materially limited. In the words of our state's high court, "[p]rocedural due process requires the 'opportunity to be heard at a meaningful time and in a meaningful manner.'" *Donadieu v. Morgan Cty. Planning Comm'n*, Case No. 15-1058, 2016 W.Va. LEXIS 726, *16 (W. Va. 2016), quoting *Mathews v. Eldridge*, 424 U.S. 319, 333 (1976). And in order for the public to have a meaningful opportunity to be heard on the Concept Plan, they must be informed. Citizens of this County reasonably rely on their public agencies to be a first line of defense against harmful development by identifying, for example, potential environmental impacts from a drawdown of the water table in Middleway's Karst terrain. Without any idea as to whether the relevant agencies have concerns about this particular development, the public will be flying blind, forced to fend for themselves and rely on public records requests and independent research in order to discover the true impact of the Concept Plan. The Foundation itself has several outstanding public records requests, which likely will not be returned in time to prepare for the December 17 hearing. On these facts, the Foundation respectfully submits that the public will have no meaningful right to be heard on the Concept Plan on December 17.

In short, after reviewing the regulations, statutes, and constitutional principles applicable to this project, it is JCF's view that it is impossible to meet the legal requirements to hold a Public Workshop on December 17, 2024, on the fully submitted Concept Plan (which, for the first time, actually includes the full map of impacted parcels of land AND the source of the water that will be used to bottle the water at the proposed site). On this basis, we request that the currently scheduled December 17, 2024, meeting be cancelled and reposted in compliance with the requirements. Of course, a failure to do this would trigger a need for the Foundation to seek a legal remedy to cure this irreparable harm, which we hope to avoid.

[4] Subdivision Regulations § 24.123 (underlined and bolded text emphasized)

If your attorney would like to discuss this matter with me directly, I would be happy to do so via phone or email as listed below. However, if we do not receive a response on or before Friday, December 6, 2024, at 5:00 PM, we will have no choice but to seek judicial intervention.

Sincerely,

Andrew Earley

Andrew Earley, Esq.
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304-712-9352
*Counsel for Jefferson County Foundation*

CC: Jefferson County Foundation, Inc. (jeffersoncountyfoundation@gmail.com)
Mike Shep, President, Jefferson Co. Planning Commission (michaelshepp@me.com)