

Public Noticed United Energy Necedah Draft Permit Fact Sheet

General Information

| | |
|-------------------------------------|--|
| Permit Number | WI-0066508-02-0 |
| Permittee Name and Address | United Energy Necedah, LLC N9589 State Rd 80, Necedah, WI 54646 |
| Permitted Facility Name and Address | United Energy Necedah, LLC N9589 State Rd 80, Necedah, WI 54646 |
| Permit Term | April 01, 2025 to March 31, 2030 |
| Discharge Location | groundwater via infiltration by way of seepage cells located in the E ½ of the NE ¼ of Section 36, T18N, R03E, Town of Necedah |
| Receiving Water | groundwaters in the Town of Necedah located in Juneau county |
| Stream Flow (Q _{7,10}) | N/A |
| Stream Classification | N/A |
| Discharge Type | Existing, continuous |

Facility Description

United Energy – Necedah LLC (UEN) is an ethanol production facility with byproducts of dried distiller’s grains with solubles and corn oil. The facility is supplied water from the Village of Necedah and their onsite groundwater well. The groundwater supplied from the well is high in iron and manganese. For the raw well water to be utilized at the facility, the raw well water is treated using a greensand iron filtration system. The filtered well water is then mixed with municipal water from the Village of Necedah and either goes into the cooling tower or further treated through a reverse osmosis (RO) unit where the permeate will be used in their production or boiler system. The iron filter backwash from cleaning the system is discharged into a seepage cell system. The backwash is conveyed into either the south seepage bed (Outfall 001) or the north seepage bed (Outfall 002). The RO reject water and cooling tower blowdown are mixed together before being discharged into the north infiltration basin (Outfall 003). When the water level within the north infiltration basin gets too high, effluent overflows into the south infiltration basin (Outfall 005). The seepage cell system is monitored by a series of groundwater monitoring wells MW-1 through MW-6. Changes in monitoring and/or limits from the previous permit include: 1) new groundwater well limits for organic nitrogen, total dissolved solids, chemical oxygen demand (COD), 2) lower groundwater well pH limit range, 3) exemption of groundwater well limits for iron and manganese per NR 140.28 Wis. Adm. Code, 4) MW-7 was determined to not be needed and therefore not constructed and dropped from the permit, 5) a new nitrogen reduction study requirement, and 6) a requirement for a land treatment management plan per NR 214.12(5)(b) Wis. Adm. Code.

Substantial Compliance Determination

Enforcement During Last Permit: No enforcement actions were taken during the last permit term.

After a desk top review of all: discharge monitoring reports, and a site visit on 7/02/2024, this facility has been found to be in substantial compliance with their current permit.

Compliance determination made by Michael Chang on 7/02/2024.

Sample Point Descriptions

| Sample Point Designation | | |
|--------------------------|---|---|
| Sample Point Number | Discharge Flow, Units, and Averaging Period | Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable) |
| 001 | No flow during 2023. | Iron filter backwash into the south seepage beds |
| 002 | ~23,500 gpd during 2023. | Iron filter backwash into the north seepage beds |
| 003 | ~64,000 gpd during 2023. | Noncontact cooling tower blowdown and RO reject water into the north infiltration basin |
| 005 | No flow during 2023. | Overflow from the north infiltration into the south infiltration basin. |

Groundwater Well Sample Point Descriptions

| Sample Point Designation For Groundwater Monitoring Systems | | | |
|---|------------------|-----------|--------------------------------------|
| System | Sample Pt Number | Well Name | Comments |
| Filter backwash seepage beds | 801 | MW-1 | Down-gradient, Non-Point of Standard |
| Filter backwash seepage beds | 802 | MW-2 | Up-gradient, Background |
| Filter backwash seepage beds | 803 | MW-3 | Down-gradient, Point of Standard |
| NCCT blowdown and RO reject basins | 804 | MW-4 | Down-gradient, Non-Point of Standard |
| NCCT blowdown and RO reject basins | 805 | MW-5 | Up-gradient, Background |
| NCCT blowdown and RO reject basins | 806 | MW-6 | Down-gradient, Non-Point of Standard |

1 Land Treatment – Monitoring and Limitations

1.1 Sample Point Number: 001- South Seepage Beds; 002- North Seepage Beds

| Monitoring Requirements and Limitations | | | | | |
|---|------------|-----------------|------------------|-------------|-------|
| Parameter | Limit Type | Limit and Units | Sample Frequency | Sample Type | Notes |
| Flow Rate | | gpd | Daily | Calculated | |
| Chloride | | mg/L | Quarterly | Grab | |
| Nitrogen, Nitrite + Nitrate Total | | mg/L | Quarterly | Grab | |
| Nitrogen, Ammonia (NH3-N) Total | | mg/L | Quarterly | Grab | |
| Nitrogen, Organic Total | | mg/L | Quarterly | Grab | |

| Monitoring Requirements and Limitations | | | | | |
|---|------------|-----------------|------------------|-------------|-------|
| Parameter | Limit Type | Limit and Units | Sample Frequency | Sample Type | Notes |
| Nitrogen, Total Kjeldahl | | mg/L | Quarterly | Grab | |
| pH Field | | su | Quarterly | Grab | |
| Solids, Total Dissolved | | mg/L | Quarterly | Grab | |
| Iron, Total Recoverable | | mg/L | Quarterly | Grab | |
| Manganese, Total Recoverable | | ug/L | Quarterly | Grab | |
| COD | | mg/L | Quarterly | Grab | |

1.1.1 Changes from Previous Permit:

No changes.

1.1.2 Explanation of Limits and Monitoring Requirements

Flow and loading time monitoring are required to determine compliance with par NR 214.12(4)(a), Wis. Adm. Code, which requires total daily discharge monitoring and par. NR 214.12(5)(a), Wis. Adm. Code, which requires the loading to be intermittent to maintain the absorptive capacity of the soil. The same monitoring is being required for both the effluent and groundwater. Departmental authority to monitor parameters in the discharge to the pond system comes from par. NR 214.12(4)(b), Wis. Adm. Code.

More information on the limitations can be found in the **Groundwater Evaluation Report by Woody Myers, dated November 8, 2024.**

1.2 Sample Point Number: 003- North Infiltration Basin

| Monitoring Requirements and Limitations | | | | | |
|--|------------|-----------------|------------------|-------------|-------|
| Parameter | Limit Type | Limit and Units | Sample Frequency | Sample Type | Notes |
| Flow Rate | | gpd | Daily | Continuous | |
| Chloride | | mg/L | Quarterly | Grab | |
| Nitrogen, Nitrite + Nitrate Total | | mg/L | Quarterly | Grab | |
| Nitrogen, Ammonia (NH ₃ -N) Total | | mg/L | Quarterly | Grab | |
| Nitrogen, Organic Total | | mg/L | Quarterly | Grab | |
| Nitrogen, Total Kjeldahl | | mg/L | Quarterly | Grab | |
| pH Field | | su | Quarterly | Grab | |
| Solids, Total Dissolved | | mg/L | Quarterly | Grab | |

| Monitoring Requirements and Limitations | | | | | |
|---|------------|-----------------|------------------|-------------|-------|
| Parameter | Limit Type | Limit and Units | Sample Frequency | Sample Type | Notes |
| Iron, Total Recoverable | | ug/L | Quarterly | Grab | |
| Manganese, Total Recoverable | | ug/L | Quarterly | Grab | |
| COD | | mg/L | Quarterly | Grab | |

1.2.1 Changes from Previous Permit:

No changes.

1.2.2 Explanation of Limits and Monitoring Requirements

Flow and loading time monitoring are required to determine compliance with par NR 214.12(4)(a), Wis. Adm. Code, which requires total daily discharge monitoring and par. NR 214.12(5)(a), Wis. Adm. Code, which requires the loading to be intermittent to maintain the absorptive capacity of the soil. The same monitoring is being required for both the effluent and groundwater. Departmental authority to monitor parameters in the discharge to the pond system comes from par. NR 214.12(4)(b), Wis. Adm. Code.

More information on the limitations can be found in the Groundwater Evaluation Report by Woody Myers, dated November 8, 2024.

1.3 Sample Point Number: 005- South Infiltration Basin

| Monitoring Requirements and Limitations | | | | | |
|---|------------|-----------------|------------------|-------------|-------|
| Parameter | Limit Type | Limit and Units | Sample Frequency | Sample Type | Notes |
| Flow Rate | | gpd | Daily | Calculated | |

1.3.1 Changes from Previous Permit:

No changes.

1.3.2 Explanation of Limits and Monitoring Requirements

Par. NR 214.12(4)(a), Wis. Adm. Code, requires that the discharge to each cell be monitored for total daily discharge.

More information on the limitations can be found in the Groundwater Evaluation Report by Woody Myers, dated November 8, 2024.

2 Groundwater – Monitoring and Limitations

2.1 Groundwater Monitoring System for Filter backwash seepage beds

Location of Monitoring system: Filter backwash seepage beds

Groundwater Monitoring Well(s) to be Sampled: MW-1, MW-2, MW-3

Groundwater Monitoring Well(s) Used to Evaluate Background Groundwater Quality: MW-1

Groundwater Monitoring Well(s) Used for Point of Standards Application: MW-3

| Parameter | Units | Preventative Action Limit | Enforcement Standard | Frequency |
|--|--------------|----------------------------------|-----------------------------|------------------|
| Depth To Groundwater | feet | N/A | N/A | Quarterly |
| Groundwater Elevation | feet | N/A | N/A | Quarterly |
| Chloride Dissolved | mg/L | 125 | 250 | Quarterly |
| Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 2.0 | 10 | Quarterly |
| Nitrogen, Ammonia Dissolved | mg/L | 0.97 | 9.7 | Quarterly |
| Nitrogen, Organic Dissolved | mg/L | 2.3 | N/A | Quarterly |
| Nitrogen, Total Kjeldahl Dissolved | mg/L | N/A | N/A | Quarterly |
| pH Field | su | 8.0 | N/A | Quarterly |
| Solids, Total Dissolved | mg/L | 240 | N/A | Quarterly |
| Iron Dissolved | mg/L | N/A | N/A | Quarterly |
| Manganese Dissolved | ug/L | N/A | N/A | Quarterly |
| COD | mg/L | 26 | N/A | Quarterly |

2.1.1 Changes from Previous Permit:

Groundwater limitations and monitoring requirements were evaluated for this permit term and the following changes were made from the previous permit. 1) new groundwater well limits for organic nitrogen, total dissolved solids, chemical oxygen demand (COD), 2) lower groundwater well pH limit range, 3) exemption of groundwater well limits for iron and manganese per NR 140.28 Wis. Adm. Code, and 4) MW-7 was determined to not be needed and therefore not constructed and dropped from the permit.

2.1.2 Explanation of Limits and Monitoring Requirements

Groundwater limits and requirements are determined in accordance with ch. NR 140, Wis. Adm. Code. Indicator parameter Preventive Action Limit (PAL) values are established per s. NR 140.20, Wis. Adm. Code. Alternative Concentration Limits as allowed under s. NR 140.28, Wis. Adm. Code, are established on a case-by-case basis.

More information on the limitations can be found in the Groundwater Evaluation Report by Woody Myers, dated November 8, 2024.

2.2 Groundwater Monitoring System for NCCT blowdown and RO reject basins

Location of Monitoring system: North and south infiltration basins

Groundwater Monitoring Well(s) to be Sampled: MW-4, MW-5, MW-6

Groundwater Monitoring Well(s) Used to Evaluate Background Groundwater Quality: MW-5

Groundwater Monitoring Well(s) Used for Point of Standards Application: None

| Parameter | Units | Preventative Action Limit | Enforcement Standard | Frequency |
|--|-------|---------------------------|----------------------|-----------|
| Depth To Groundwater | feet | N/A | N/A | Quarterly |
| Groundwater Elevation | feet | N/A | N/A | Quarterly |
| Chloride Dissolved | mg/L | 125 | 250 | Quarterly |
| Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 2.0 | 10 | Quarterly |
| Nitrogen, Ammonia Dissolved | mg/L | 0.97 | 9.7 | Quarterly |
| Nitrogen, Organic Dissolved | mg/L | 2.3 | N/A | Quarterly |
| Nitrogen, Total Kjeldahl Dissolved | mg/L | N/A | N/A | Quarterly |
| pH Field | su | 8.0 | N/A | Quarterly |
| Solids, Total Dissolved | mg/L | 240 | N/A | Quarterly |
| Iron Dissolved | mg/L | N/A | N/A | Quarterly |
| Manganese Dissolved | ug/L | N/A | N/A | Quarterly |
| COD | mg/L | 26 | N/A | Quarterly |

2.2.1 Changes from Previous Permit:

Groundwater limitations and monitoring requirements were evaluated for this permit term and the following changes were made from the previous permit. 1) new groundwater well limits for organic nitrogen, total dissolved solids, chemical oxygen demand (COD), 2) lower groundwater well pH limit range, 3) exemption of groundwater well limits for iron and manganese per NR 140.28 Wis. Adm. Code, and 4) MW-7 was determined to not be needed and therefore not constructed and dropped from the permit.

2.2.2 Explanation of Limits and Monitoring Requirements

Groundwater limits and requirements are determined in accordance with ch. NR 140, Wis. Adm. Code. Indicator parameter Preventive Action Limit (PAL) values are established per s. NR 140.20, Wis. Adm. Code. Alternative Concentration Limits as allowed under s. NR 140.28, Wis. Adm. Code, are established on a case-by-case basis.

More information on the limitations can be found in the Groundwater Evaluation Report by Woody Myers, dated November 8, 2024.

3 Schedules

3.1 Land Treatment Management Plan

A management plan is required for the land treatment system.

| Required Action | Due Date |
|---|------------|
| Land Treatment Management Plan: Submit management plan to optimize the land treatment system performance and demonstrate compliance with Wisconsin Administrative Code NR 214. The groundwater monitoring well latitude/longitude need to be provided in decimal degrees as part of the plan. | 07/31/2025 |

3.1.1 Explanation of Schedule

Land Treatment Management Plan (industrial)- An up-to-date Land Treatment Management plan is a standard requirement in reissued industrial permits per ch. NR 214, Wis. Adm. Code.

3.2 Nitrogen Reduction Plan

| Required Action | Due Date |
|---|------------|
| Submit Plan: Submit a nitrogen (nitrite + nitrate) reduction plan for the facility. | 03/31/2026 |

3.2.1 Explanation of Schedule

Nitrogen reduction plan – needed to assess nitrogen reduction efforts.

Other Comments

None

Attachments

NR 140 Groundwater Evaluation Report - by Woody Myers, dated November 8, 2024.

Public Notice - Juneau County Star Times, PO Box 220, Mauston, WI 53948

Justification Of Any Waivers From Permit Application Requirements


N/A

Prepared By: Angela Parkhurst Wastewater Specialist

Date: 02/06/2025

DATE: November 8, 2024

TO: File

FROM: Woody Myers - WCR 

SUBJECT: Groundwater Evaluation Report for United Energy Necedah, LLC WI-0066508

Site Information

United Energy Necedah, LLC. (formerly Marquis Energy) is regulated as an industrial facility and is located at N9589 STR 80, Necedah, Juneau County. The facility produces ethanol with Dried Distillers' Grains and Corn Oil as byproducts. Wastewater generated consists of iron filter backwash, cooling tower blowdown, and RO reject water. The Wastewater is currently discharged to groundwater via infiltration by way of absorption ponds traditional and modified (seepage beds) located in the E ½ of the NE ¼ of Section 36, T18N, R03E, Town of Necedah.

Land Treatment Effluent & Groundwater Evaluation Summary

**Table 1 Land Treatment Outfall Sampling Point Parameters and Limits
Outfall 001 South Seepage Beds and Outfall 002 North Seepage Beds/ Absorption Pond**

| Parameter | Current Permit WI-0066508-01-1 | | Proposed Permit WI-0066508-02 | |
|------------------------------|-----------------------------------|------------|----------------------------------|------------|
| | Limits and Units | Limit Type | Limits and Units | Limit Type |
| Flow Rate | - gpd | | - gpd | |
| Chloride | - mg/l | | - mg/l | |
| Nitrogen, Nitrite + Nitrate | - mg/l | | - mg/l | |
| Nitrogen, Ammonia | - mg/l | | - mg/l | |
| *Nitrogen, Organic | - mg/l | | - mg/l | |
| *Nitrogen, Total Kjeldahl | - mg/l | | - mg/l | |
| pH, Field | - su | | - su | |
| Total Dissolved Solids | - mg/l | | - mg/l | |
| Iron, Total Recoverable | - mg/l | | - mg/l | |
| Manganese, Total Recoverable | - mg/l | | - mg/l | |
| COD | - mg/l | | - mg/l | |

No proposed permit changes

**Table 2 Land Treatment Outfall Sampling Point Parameters and Limits
Outfall 003 North Infiltration Basin / Absorption Pond**

| Parameter | Current Permit WI-0066508-01-1 | | Proposed Permit WI-0066508-02 | |
|------------------------------|-----------------------------------|------------|----------------------------------|------------|
| | Limits and Units | Limit Type | Limits and Units | Limit Type |
| Flow Rate | - gpd | | - gpd | |
| Total Dissolved Solids | - mg/l | | - mg/l | |
| Nitrogen, Ammonia | - mg/l | | - mg/l | |
| Nitrogen, Nitrite + Nitrate | - mg/l | | - mg/l | |
| *Nitrogen, Organic | - mg/l | | - mg/l | |
| *Nitrogen, Total Kjeldahl | - mg/l | | - mg/l | |
| Chloride | - mg/l | | - mg/l | |
| pH, Field | - su | | - su | |
| Iron, Total Recoverable | - mg/l | | - mg/l | |
| Manganese, Total Recoverable | - mg/l | | - mg/l | |
| COD | - mg/l | | - mg/l | |

No proposed permit changes

**Table 3 Land Treatment Outfall Sampling Point Parameters and Limits
Outfall 005 South Infiltration Basin / Absorption Pond**

| Parameter | Current Permit WI-0066508-01-1 | | Proposed Permit WI-0066508-02 | |
|-----------|-----------------------------------|------------|----------------------------------|------------|
| | Limits and Units | Limit Type | Limits and Units | Limit Type |
| Flow Rate | - gpd | | - gpd | |

No proposed permit changes

Table 4 Monitoring Wells

| Well | Current Permit WI-0066508-01-1 | | Proposed Permit WI-0066508-02 | |
|----------|-----------------------------------|------------------|----------------------------------|-------------------------------|
| | Well Location | Well Designation | Well Location | Well Designation |
| 801 MW-1 | Not Determined | | *Down-gradient | *Non-Point of Standard |
| 802 MW-2 | Not Determined | | *Up-gradient | *Background |
| 803 MW-3 | Not Determined | | *Down-gradient | *Point of Standard |
| 804 MW-4 | Not Determined | | *Down-gradient | *Non-Point of Standard |
| 805 MW-5 | Not Determined | | *Up-gradient | *Background |
| 806 MW-6 | Not Determined | | *Down-gradient | *Non-Point of Standard |
| 807 MW-7 | Not Determined | | **Not Constructed | |

* Proposed permit changes

** Groundwater monitoring well 807 (MW-7) has not been installed and is not needed. It can be deleted from the list of wells.

**Table 5 Groundwater Quality Standards -
Filter Backwash Beds**

| Parameter | Current Permit WI-0066508-01-1 | | Proposed WI-0066508-02 | |
|-----------------------------|-----------------------------------|-----------|---------------------------|-----------|
| | PAL | ES | PAL | ES |
| Depth to Groundwater | N/A | N/A | N/A | N/A |
| Groundwater Elevation | N/A | N/A | N/A | N/A |
| Chloride | 125 mg/l | 250 mg/l | 125 mg/l | 250 mg/l |
| Nitrogen, Nitrite + Nitrate | 2.0 mg/l | 10.0 mg/l | 2.0 mg/l | 10.0 mg/l |
| Nitrogen, Ammonia | 0.97 mg/l | 9.7 mg/l | 0.97 mg/l | 9.7 mg/l |
| Nitrogen, Organic | - mg/l | N/A | *2.3 mg/l | N/A |
| Nitrogen Total Kjeldahl | N/A | N/A | N/A | N/A |
| pH, Field | 5.0-9.0 su | N/A | *6.0-8.0 su | N/A |
| Total Dissolved Solids | 820 mg/l | N/A | *240 mg/l | N/A |
| Iron, Dissolved | 0.15 mg/l | 0.3 mg/l | *Exempt | |
| Manganese, Dissolved | 60 µg/l | 300 µg/l | *Exempt | |
| COD | N/A | N/A | *26 mg/l | N/A |

* Proposed permit changes

**Table 6 Groundwater Quality Standards
NCCW Blowdown and RO Reject Basins**

| Parameter | Current Permit WI-0066508-01-1 | | Proposed WI-0066508-02 | |
|-----------------------------|-----------------------------------|-----------|--|----|
| | PAL | ES | PAL | ES |
| Depth to Groundwater | N/A | N/A | Parameters and Limits consolidated for both systems – See Table 10 | |
| Groundwater Elevation | N/A | N/A | | |
| Chloride | 125 mg/l | 250 mg/l | | |
| Nitrogen, Nitrite + Nitrate | 2.0 mg/l | 10.0 mg/l | | |
| Nitrogen, Ammonia | 0.97 mg/l | 9.7 mg/l | | |
| Nitrogen, Organic | - mg/l | N/A | | |
| Nitrogen Total Kjeldahl | N/A | N/A | | |
| pH, Field | 5.0-9.0 su | N/A | | |
| Total Dissolved Solids | 820 mg/l | N/A | | |
| Iron, Dissolved | 0.15 mg/l | 0.3 mg/l | | |
| Manganese, Dissolved | 60 µg/l | 0.3 mg/l | | |
| COD | N/A | N/A | | |

* Proposed permit changes

Geology

The bedrock under this facility is the undivided Trempealeau, Tunnel City and Elk Mound Groups. The Trempealeau Group includes the Jordan and St. Lawrence Formations, the Tunnel City Group includes the Lone Rock Formation, and the Elk Mound Group includes the Wonewoc, Eau Claire and Mount Simon Formations. These groups are comprised of sandstone with minor occurrences of dolomite (*Bedrock Geologic Map of Wisconsin*, Wisconsin Geological and Natural History Survey (WGNHS), 1982). Bedrock is anticipated to be between 100 and 200 feet below ground surface (bgs) (*Depth to Bedrock in Wisconsin*, WGNHS, 1973). The regolith consists of material ranging from coarse sand to silt. Surface soil primarily consists of the Majik, Cool-Pony Creek Complex (USDA NRCS Web Soil Survey).

Hydrogeology

Calculated groundwater elevation ranges between 890 and 895 feet above mean sea level (msl). Depth to groundwater was reported to be between 8 and 15 feet bgs. The groundwater flow direction was calculated to be predominantly to the east. Regional groundwater flow is to the east in this area of Juneau County (*Water Table Elevation, Map, WGNHS, 1981*). The site is approximately 4,600 feet west of Yellow River. There are eight wells (municipal, other than municipal, private and high-capacity) within a 1,500-foot range of this facility's groundwater discharge.

Land Treatment Effluent Quality and Loading Rates

The following tables are the average flow (hydraulic loading), total manganese, total iron and nitrate + nitrite loading summations for the land treatment systems.

**Table 7 Land Treatment Loading Averages
Outfall 002**

| Year | Flow (gpd) | Manganese (µg/l) | Iron (µg/l) | Nitrite + Nitrate (mg/l) |
|-------------------|------------|------------------|-------------|--------------------------|
| 2024 [#] | 26,431 | 270.0 | 5.1 | 0.62 |
| 2023 | 23,417 | 359.3 | 6.0 | 0.76 |
| 2022 | 15,023 | 198.0 | 3.0 | 0.71 |
| 2021 | 29,089 | 590.0 | 6.9 | 0.75 |

[#] Indicates partial year

**Table 8 Land Treatment Loading Averages
Outfall 003**

| Year | Flow (gpd) | Manganese (µg/l) | Iron (µg/l) | Nitrite + Nitrate (mg/l) |
|-------------------|------------|------------------|-------------|--------------------------|
| 2024 [#] | 62,928 | 13.4 | 116.8 | 2.73 |
| 2023 | 64,062 | 13.0 | 240.1 | 3.53 |
| 2022 | 64,442 | 6.3 | 107.5 | 3.85 |
| 2021 | 69,403 | 98.7 | 473.3 | 1.88 |

[#] Indicates partial year

Groundwater Monitoring System and Sampling Frequency

Groundwater samples were collected quarterly from all of the wells. All of the groundwater sampling parameters were analyzed for the dissolved phase in groundwater. Established groundwater quality standards are found in Table 1 Public Health Groundwater Quality Standards s. NR 140.10 Wis. Adm. Code, and Table 2 Public Welfare Groundwater Standards s. NR 140.12 Wis. Adm. Code. The thresholds of these standards are the Enforcement Standard (ES) and the Preventative Action Limit (PAL).

Table 9 Groundwater Monitoring Well Data

| Sample Point | Well Name | Elevation (feet above msl) | | | | Length (feet) | | Well Type |
|--------------|-----------|----------------------------|----------------|------------|---------------|---------------|------------|-----------|
| | | Casing Top | Ground Surface | Screen Top | Screen Bottom | Screen Length | Well Depth | |
| 801 | MW-1 | 903.46 | 901.4 | 893.4 | 883.4 | 10.0 | 18.5 | WT |
| 802 | MW-2 | 902.94 | 900.7 | 897.7 | 887.7 | 10.0 | 13.5 | WT |
| 803 | MW-3 | 905.15 | 903.3 | 895.3 | 885.3 | 10.0 | 18.5 | WT |
| 804 | MW-4 | 904.96 | 902.2 | 898.2 | 888.2 | 10.0 | 15.0 | WT |
| 805 | MW-5 | 901.93 | 899.1 | 894.8 | 884.8 | 10.0 | 15.0 | WT |
| 806 | MW-6 | 901.90 | 899.1 | 895.8 | 885.8 | 10.0 | 14.0 | WT |
| 807 | MW-7 | Not Constructed | | | | | | |

All measurements in feet

WT-Water table Observation P-Piezometer O-Other

Effluent Quality

The effluent is expected to be high in manganese (Mn) and iron (Fe) given the discharge is a filter backwash for Mn/Fe. The nitrite + nitrate is slightly elevated compared to the groundwater quality standard for this compound. The effluent trends for Outfall 002 were stable and the effluent trends for Outfall 003 were erratic.

Groundwater Sampling Results

Groundwater sampling results from this facility have been analyzed for each well to evaluate trends of the regulated compounds in groundwater and to calculate PALs for s. NR 140.22 Wis. Adm. Code Indicator Parameters and to evaluate potential exemptions under s. NR 140.28 Wis. Adm. Code. The groundwater was evaluated by looking at the groundwater data from June 30, 2020 – May 8, 2024.

Background Groundwater Quality

There are two background groundwater monitoring wells associated with the land treatment systems. Well 802 (MW-2) was used to calculate the indicator parameter PALs and ACLs because the results were the higher of the two wells. There were no significantly elevated sample results in the background results.

Down-gradient Groundwater Quality

The three compounds with exceedances in the down-gradient well samples are Mn, Fe and nitrite + nitrate. The source of the Mn/Fe is native from the local aquifer. It is removed through filtration and is discharged as filter backwash. The mass of these compounds does not change, although it appears to be concentrated due to the filtering process. There is nitrite + nitrate observed in the down-gradient groundwater samples. There are no ES exceedances. Nitrite + nitrate is observed frequently in wells 801, 803 and 804 and the trends are overall stable.

Land Treatment System Impact to Groundwater Quality

Concentrations and trends in the groundwater monitoring data were compared to the loading data for the land treatment system. There is a direct correlation between the effluent loading levels and the groundwater monitoring results.

Proposed Groundwater Monitoring Requirements Permit WI-0066508-02

**Table 10 Groundwater Quality Sampling Frequency and Limits
Filter Backwash Beds and North and South Infiltration Basins, All Wells**

| Sample Point | Well Name | Sample Frequency | Well Designation |
|-----------------------------|-------------|------------------|------------------------|
| 801 | MW-1 | Quarterly | *Background |
| 802 | MW-2 | Quarterly | *Non-Point of Standard |
| 803 | MW-3 | Quarterly | *Point of Standard |
| 804 | MW-4 | Quarterly | *Non-Point of Standard |
| 805 | MW-5 | Quarterly | *Background |
| 806 | MW-6 | Quarterly | *Non-Point of Standard |
| Parameter | PAL | ES | Source |
| Depth to Groundwater | N/A | N/A | Measured |
| Groundwater Elevation | N/A | N/A | Measured |
| Chloride | 125 mg/l | 250 mg/l | NR 140 Table 2 |
| Nitrogen, Nitrite + Nitrate | 2.0 mg/l | 10.0 mg/l | NR 140 Table 1 |
| Nitrogen, Ammonia | 0.97 mg/l | 9.7 mg/l | NR 140 Table 1 |
| Nitrogen, Organic | *2.3 mg/l | N/A | Calculated |
| Nitrogen, Kjeldahl | N/A | N/A | Measured |
| pH, Field | *6.0-8.0 su | N/A | Calculated |
| Total Dissolved Solids | *240 mg/l | N/A | Calculated |
| Iron, Dissolved | *Exempt | | |
| Manganese, Dissolved | *Exempt | | |
| COD | *26 mg/l | N/A | Calculated |

* Proposed permit changes

Indicator Parameter PALs

Indicator Parameter PALs are developed following the procedures described in s. NR 140.20(2), Wis. Adm. Code. Indicator parameters do not have Enforcement Standards. The PAL for an indicator parameter is a benchmark for evaluating site specific trends. When significant increases in the trends are observed, the facility and the department's response action under s. NR 140.24 Wis. Adm. Code should be to investigate the source of the compound. The following equations were used to calculate the indicator parameter PALs:

$$\sum [\text{Mean of the background groundwater quality} + \text{Minimum Increase (NR 140.20 Table 3)}] = \text{PAL}$$

And for pH:

$$\sum [\text{Mean of the background groundwater quality} \pm 1 \text{ su}] = \text{upper and lower PAL}$$

Alternative Concentration Limits

Alternative concentration Limits (ACLs) can be developed and provided for a groundwater monitoring system utilizing the procedures described in s. NR 140.28, Wis. Adm. Code. ACLs were calculated using the following equation:

$$\sum [\text{Mean of the background groundwater quality} + (2) \times \text{Standard Deviation of Results}] = \text{ACL}$$

Conclusions

There were no changes in the land treatment effluent sampling parameters or limits for existing parameters.

The groundwater monitoring well systems were combined using 802 as the primary background well for calculation of the indicator parameter PALs and ACLs.

Groundwater monitoring well 807 (MW-7) was listed on the previous permit as a potential need. However, the well has not been installed and is not needed. It can be deleted from the list of required groundwater monitoring points.

A s. NR 140.28 Wis. Adm. Code exemption has been granted for the compounds of manganese and iron. The exemption is conditional. The exemption is only for the groundwater monitoring wells associated with this facility and that the discharge adds no additional sources of these compounds other than the Mn/Fe from the local aquifer. The exemption will be re-evaluated during the next permit reissuance.

Indicator parameter PALs were calculated based on the background groundwater sampling results. The compounds: are organic nitrogen, TDS and COD. A pH range was calculated based on the background groundwater sampling results.

Ground water monitoring well 803, a point of standards application well, had frequent PAL exceedances of nitrite + nitrate. These down-gradient results were not observed in the background groundwater samples. The facility should identify the source of the nitrite + nitrate in the effluent and investigate options to reduce these compounds as a s. NR 140.24 Wis. Adm. Code response action.

Compliance Schedule Recommendations

The facility should perform a nitrogen (nitrite + nitrate) reduction plan for the facility within one year of the permit reissuance.

The s. NR 214.12 (5)(b) Wis. Adm. Code requires a land disposal management plan for facilities with land disposal systems. The facility should review their plan within 90 days of permit reissuance and any revisions should be submitted to the department for approval.

The groundwater monitoring well latitude/longitude need to be provided in decimal degrees. These should be provided to the department within 90 days after the permit reissuance.

APPENDIX

The following results were provided by the facility or their agent. The mean and standard deviation were calculated electronically.

| well | param | parm_unit | sample_date | resl | result_amt |
|----------|--------------------|-----------|-------------|------|------------|
| 801 MW-1 | Chloride Dissolved | mg/L | 06/30/2020 | | 1.2 |
| 801 MW-1 | Chloride Dissolved | mg/L | 09/29/2020 | | 1.2 |
| 801 MW-1 | Chloride Dissolved | mg/L | 12/15/2020 | | 0.77 |
| 801 MW-1 | Chloride Dissolved | mg/L | 03/24/2021 | | 1.1 |
| 801 MW-1 | Chloride Dissolved | mg/L | 06/10/2021 | | 1.2 |
| 801 MW-1 | Chloride Dissolved | mg/L | 09/17/2021 | | 2.6 |
| 801 MW-1 | Chloride Dissolved | mg/L | 11/18/2021 | | 4.3 |
| 801 MW-1 | Chloride Dissolved | mg/L | 02/08/2022 | | 5 |
| 801 MW-1 | Chloride Dissolved | mg/L | 04/05/2022 | | 5.7 |
| 801 MW-1 | Chloride Dissolved | mg/L | 08/18/2022 | | 4.5 |
| 801 MW-1 | Chloride Dissolved | mg/L | 11/17/2022 | | 5.1 |
| 801 MW-1 | Chloride Dissolved | mg/L | 03/01/2023 | | 4.7 |
| 801 MW-1 | Chloride Dissolved | mg/L | 05/30/2023 | | 10 |
| 801 MW-1 | Chloride Dissolved | mg/L | 08/01/2023 | | 2.9 |
| 801 MW-1 | Chloride Dissolved | mg/L | 11/09/2023 | | 3.3 |
| 801 MW-1 | Chloride Dissolved | mg/L | 02/06/2024 | | 2.5 |
| 801 MW-1 | Chloride Dissolved | mg/L | 05/08/2024 | | 4.6 |
| 801 MW-1 | COD | mg/L | 06/30/2020 | | 29 |
| 801 MW-1 | COD | mg/L | 09/29/2020 | < | 15.5 |
| 801 MW-1 | COD | mg/L | 12/15/2020 | | 17.9 |
| 801 MW-1 | COD | mg/L | 03/24/2021 | < | 15.5 |
| 801 MW-1 | COD | mg/L | 06/10/2021 | < | 14.7 |
| 801 MW-1 | COD | mg/L | 09/17/2021 | | 46.3 |
| 801 MW-1 | COD | mg/L | 11/18/2021 | < | 15.5 |
| 801 MW-1 | COD | mg/L | 02/08/2022 | < | 15.5 |
| 801 MW-1 | COD | mg/L | 04/05/2022 | | 14.9 |
| 801 MW-1 | COD | mg/L | 08/18/2022 | | 19.3 |
| 801 MW-1 | COD | mg/L | 11/17/2022 | | 17.8 |
| 801 MW-1 | COD | mg/L | 03/01/2023 | | 29.9 |
| 801 MW-1 | COD | mg/L | 05/30/2023 | < | 18 |
| 801 MW-1 | COD | mg/L | 08/01/2023 | < | 18 |
| 801 MW-1 | COD | mg/L | 11/09/2023 | < | 18 |
| 801 MW-1 | COD | mg/L | 02/06/2024 | < | 18 |
| 801 MW-1 | COD | mg/L | 05/08/2024 | < | 18 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|----------------|-----------|-------------|------|------------|
| 801 MW-1 | Iron Dissolved | mg/L | 06/30/2020 | < | 0.035 |
| 801 MW-1 | Iron Dissolved | mg/L | 09/29/2020 | < | 0.057 |
| 801 MW-1 | Iron Dissolved | mg/L | 12/15/2020 | < | 0.057 |
| 801 MW-1 | Iron Dissolved | mg/L | 03/24/2021 | < | 0.057 |
| 801 MW-1 | Iron Dissolved | mg/L | 06/10/2021 | < | 0.057 |
| 801 MW-1 | Iron Dissolved | mg/L | 09/17/2021 | < | 0.057 |
| 801 MW-1 | Iron Dissolved | mg/L | 11/18/2021 | < | 0.057 |
| 801 MW-1 | Iron Dissolved | mg/L | 02/08/2022 | < | 0.057 |
| 801 MW-1 | Iron Dissolved | mg/L | 04/05/2022 | < | 0.057 |
| 801 MW-1 | Iron Dissolved | mg/L | 08/18/2022 | < | 0.057 |
| 801 MW-1 | Iron Dissolved | mg/L | 11/17/2022 | < | 0.057 |
| 801 MW-1 | Iron Dissolved | mg/L | 03/01/2023 | < | 0.057 |
| 801 MW-1 | Iron Dissolved | mg/L | 05/30/2023 | | 0.319 |
| 801 MW-1 | Iron Dissolved | mg/L | 08/01/2023 | < | 0.025 |
| 801 MW-1 | Iron Dissolved | mg/L | 11/09/2023 | | 0.551 |
| 801 MW-1 | Iron Dissolved | mg/L | 02/06/2024 | < | 0.025 |
| 801 MW-1 | Iron Dissolved | mg/L | 05/08/2024 | < | 0.025 |

| | | | | | |
|----------|---------------------|------|------------|--|------|
| 801 MW-1 | Manganese Dissolved | ug/L | 06/30/2020 | | 22.3 |
| 801 MW-1 | Manganese Dissolved | ug/L | 09/29/2020 | | 42.9 |
| 801 MW-1 | Manganese Dissolved | ug/L | 12/15/2020 | | 31.3 |
| 801 MW-1 | Manganese Dissolved | ug/L | 03/24/2021 | | 30.7 |
| 801 MW-1 | Manganese Dissolved | ug/L | 06/10/2021 | | 31.5 |
| 801 MW-1 | Manganese Dissolved | ug/L | 09/17/2021 | | 35.2 |
| 801 MW-1 | Manganese Dissolved | ug/L | 11/18/2021 | | 18.4 |
| 801 MW-1 | Manganese Dissolved | ug/L | 02/08/2022 | | 10 |
| 801 MW-1 | Manganese Dissolved | ug/L | 04/05/2022 | | 14.8 |
| 801 MW-1 | Manganese Dissolved | ug/L | 08/18/2022 | | 19.2 |
| 801 MW-1 | Manganese Dissolved | ug/L | 11/17/2022 | | 13 |
| 801 MW-1 | Manganese Dissolved | ug/L | 03/01/2023 | | 8.9 |
| 801 MW-1 | Manganese Dissolved | ug/L | 05/30/2023 | | 26.3 |
| 801 MW-1 | Manganese Dissolved | ug/L | 08/01/2023 | | 12.2 |
| 801 MW-1 | Manganese Dissolved | ug/L | 11/09/2023 | | 12.9 |
| 801 MW-1 | Manganese Dissolved | ug/L | 02/06/2024 | | 12.4 |
| 801 MW-1 | Manganese Dissolved | ug/L | 05/08/2024 | | 15.2 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|------------------------------------|-----------|-------------|------|------------|
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 06/30/2020 | < | 0.26 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 09/29/2020 | < | 0.26 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 12/15/2020 | < | 0.26 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 03/24/2021 | < | 0.14 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 06/10/2021 | < | 0.14 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 09/17/2021 | < | 0.14 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 11/18/2021 | < | 0.14 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 02/08/2022 | < | 0.14 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 04/05/2022 | < | 0.14 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 08/18/2022 | < | 0.14 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 11/17/2022 | < | 0.14 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 03/01/2023 | < | 0.14 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 05/30/2023 | < | 0.13 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 08/01/2023 | < | 0.13 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 11/09/2023 | < | 0.13 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 02/06/2024 | < | 0.13 |
| 801 MW-1 | Nitrogen, Ammonia Dissolved | mg/L | 05/08/2024 | < | 0.13 |
| | | | | | |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 06/30/2020 | < | 0.21 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 09/29/2020 | < | 0.21 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 12/15/2020 | < | 0.21 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 03/24/2021 | < | 0.21 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 06/10/2021 | | 0.28 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 09/17/2021 | | 0.25 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/18/2021 | < | 0.21 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 02/08/2022 | < | 0.21 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 04/05/2022 | < | 0.21 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 08/18/2022 | < | 0.21 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/17/2022 | < | 0.21 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 03/01/2023 | < | 0.21 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 05/30/2023 | < | 0.39 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 08/01/2023 | < | 0.39 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/09/2023 | < | 0.39 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 02/06/2024 | < | 0.39 |
| 801 MW-1 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 05/08/2024 | < | 0.39 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|--|-----------|--------------|------|------------|
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 06/30/2020 | | 2.6 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 09/29/2020 | | 5 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 12/15/2020 | | 2.6 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 03/24/2021 | | 4.4 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 06/10/2021 | | 3.8 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 09/17/2021 | | 3.9 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/18/2021 | | 0.99 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 02/08/2022 | | 2 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 04/05/2022 | | 2 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 08/18/2022 | | 3.1 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/17/2022 | | 2 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 03/01/2023 | | 3 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 05/30/2023 | | 5.8 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 08/01/2023 | | 3.3 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/09/2023 | | 3.8 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 02/06/2024 | | 5.3 |
| 801 MW-1 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 05/08/2024 | | 2.8 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 06/30/2020 < | | 0.21 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 09/29/2020 < | | 0.21 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 12/15/2020 < | | 0.21 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 03/24/2021 < | | 0.21 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 06/10/2021 | | 0.28 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 09/17/2021 | | 0.25 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 11/18/2021 < | | 0.21 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 02/08/2022 < | | 0.21 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 04/05/2022 < | | 0.21 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 08/18/2022 < | | 0.21 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 11/17/2022 < | | 0.21 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 03/01/2023 < | | 0.21 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 05/30/2023 < | | 0.39 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 08/01/2023 < | | 0.39 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 11/09/2023 < | | 0.39 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 02/06/2024 < | | 0.39 |
| 801 MW-1 | Nitrogen, Organic Dissolved | mg/L | 05/08/2024 < | | 0.39 |

| well | param | parm_unit | sample_date | resl | result_amt |
|----------|----------|-----------|-------------|------|------------|
| 801 MW-1 | pH Field | su | 06/30/2020 | | 5.59 |
| 801 MW-1 | pH Field | su | 09/29/2020 | | 4.85 |
| 801 MW-1 | pH Field | su | 12/15/2020 | | 5.2 |
| 801 MW-1 | pH Field | su | 03/24/2021 | | 5.094 |
| 801 MW-1 | pH Field | su | 06/10/2021 | | 9.41 |
| 801 MW-1 | pH Field | su | 09/17/2021 | | 5.49 |
| 801 MW-1 | pH Field | su | 11/18/2021 | | 5.51 |
| 801 MW-1 | pH Field | su | 02/08/2022 | | 6.58 |
| 801 MW-1 | pH Field | su | 04/05/2022 | | 4.73 |
| 801 MW-1 | pH Field | su | 08/18/2022 | | 5.35 |
| 801 MW-1 | pH Field | su | 11/17/2022 | | 5.46 |
| 801 MW-1 | pH Field | su | 03/01/2023 | | 5.06 |
| 801 MW-1 | pH Field | su | 05/30/2023 | | 5.87 |
| 801 MW-1 | pH Field | su | 08/01/2023 | | 5.27 |
| 801 MW-1 | pH Field | su | 11/09/2023 | | 5.87 |
| 801 MW-1 | pH Field | su | 02/06/2024 | | 6.1 |
| 801 MW-1 | pH Field | su | 05/08/2024 | | 6.25 |

| | | | | | |
|----------|-------------------------|------|------------|--|-----|
| 801 MW-1 | Solids, Total Dissolved | mg/L | 06/30/2020 | | 52 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 09/29/2020 | | 196 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 12/15/2020 | | 64 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 03/24/2021 | | 54 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 06/10/2021 | | 86 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 09/17/2021 | | 42 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 11/18/2021 | | 60 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 02/08/2022 | | 56 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 04/05/2022 | | 74 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 08/18/2022 | | 70 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 11/17/2022 | | 64 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 03/01/2023 | | 112 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 05/30/2023 | | 56 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 08/01/2023 | | 29 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 11/09/2023 | | 190 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 02/06/2024 | | 54 |
| 801 MW-1 | Solids, Total Dissolved | mg/L | 05/08/2024 | | 26 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|--------------------|-----------|--------------|------|------------|
| 802 MW-2 | Chloride Dissolved | mg/L | 06/30/2020 | | 1.1 |
| 802 MW-2 | Chloride Dissolved | mg/L | 09/29/2020 | | 1.3 |
| 802 MW-2 | Chloride Dissolved | mg/L | 12/15/2020 | | 1 |
| 802 MW-2 | Chloride Dissolved | mg/L | 03/24/2021 | | 0.81 |
| 802 MW-2 | Chloride Dissolved | mg/L | 06/10/2021 | | 2.3 |
| 802 MW-2 | Chloride Dissolved | mg/L | 09/17/2021 | | 0.48 |
| 802 MW-2 | Chloride Dissolved | mg/L | 11/18/2021 | | 1.3 |
| 802 MW-2 | Chloride Dissolved | mg/L | 02/08/2022 | | 0.53 |
| 802 MW-2 | Chloride Dissolved | mg/L | 04/05/2022 | | 0.98 |
| 802 MW-2 | Chloride Dissolved | mg/L | 08/18/2022 | | 0.8 |
| 802 MW-2 | Chloride Dissolved | mg/L | 11/17/2022 | | 1.5 |
| 802 MW-2 | Chloride Dissolved | mg/L | 03/01/2023 | | 0.93 |
| 802 MW-2 | Chloride Dissolved | mg/L | 05/30/2023 | | 1.1 |
| 802 MW-2 | Chloride Dissolved | mg/L | 08/01/2023 | | 1.1 |
| 802 MW-2 | Chloride Dissolved | mg/L | 11/09/2023 | | 1.1 |
| 802 MW-2 | Chloride Dissolved | mg/L | 02/06/2024 | | 1 |
| 802 MW-2 | Chloride Dissolved | mg/L | 05/08/2024 | | 1.1 |
| | | | Mean | | 1.084118 |
| | | | Standard Dev | | 0.392759 |
| 802 MW-2 | COD | mg/L | 06/30/2020 | | 46.2 |
| 802 MW-2 | COD | mg/L | 09/29/2020 | | 64.5 |
| 802 MW-2 | COD | mg/L | 12/15/2020 | | 34.4 |
| 802 MW-2 | COD | mg/L | 03/24/2021 | | 43.9 |
| 802 MW-2 | COD | mg/L | 06/10/2021 | | 21.5 |
| 802 MW-2 | COD | mg/L | 09/17/2021 | | 32.7 |
| 802 MW-2 | COD | mg/L | 11/18/2021 | | 23.7 |
| 802 MW-2 | COD | mg/L | 02/08/2022 | | 41.3 |
| 802 MW-2 | COD | mg/L | 04/05/2022 | | 29.6 |
| 802 MW-2 | COD | mg/L | 08/18/2022 | | 41.3 |
| 802 MW-2 | COD | mg/L | 11/17/2022 | < | 14.7 |
| 802 MW-2 | COD | mg/L | 03/01/2023 | < | 14.7 |
| 802 MW-2 | COD | mg/L | 05/30/2023 | < | 18 |
| 802 MW-2 | COD | mg/L | 08/01/2023 | < | 18 |
| 802 MW-2 | COD | mg/L | 11/09/2023 | < | 18 |
| 802 MW-2 | COD | mg/L | 02/06/2024 | < | 18 |
| 802 MW-2 | COD | mg/L | 05/08/2024 | < | 18 |
| | | | Mean | | 29.32353 |
| | | | Standard Dev | | 13.76361 |

| well | param | parm_unit | sample_date | rest | result_amt |
|----------|---------------------|-----------|--------------|------|------------|
| 802 MW-2 | Iron Dissolved | mg/L | 06/30/2020 | < | 0.035 |
| 802 MW-2 | Iron Dissolved | mg/L | 09/29/2020 | < | 0.057 |
| 802 MW-2 | Iron Dissolved | mg/L | 12/15/2020 | < | 0.057 |
| 802 MW-2 | Iron Dissolved | mg/L | 03/24/2021 | < | 0.057 |
| 802 MW-2 | Iron Dissolved | mg/L | 06/10/2021 | < | 0.057 |
| 802 MW-2 | Iron Dissolved | mg/L | 09/17/2021 | < | 0.057 |
| 802 MW-2 | Iron Dissolved | mg/L | 11/18/2021 | < | 0.057 |
| 802 MW-2 | Iron Dissolved | mg/L | 02/08/2022 | < | 0.057 |
| 802 MW-2 | Iron Dissolved | mg/L | 04/05/2022 | < | 0.057 |
| 802 MW-2 | Iron Dissolved | mg/L | 08/18/2022 | < | 0.057 |
| 802 MW-2 | Iron Dissolved | mg/L | 11/17/2022 | < | 0.057 |
| 802 MW-2 | Iron Dissolved | mg/L | 03/01/2023 | < | 0.057 |
| 802 MW-2 | Iron Dissolved | mg/L | 05/30/2023 | | 0.046 |
| 802 MW-2 | Iron Dissolved | mg/L | 08/01/2023 | < | 0.025 |
| 802 MW-2 | Iron Dissolved | mg/L | 11/09/2023 | < | 0.025 |
| 802 MW-2 | Iron Dissolved | mg/L | 02/06/2024 | | 0.398 |
| 802 MW-2 | Iron Dissolved | mg/L | 05/08/2024 | < | 0.025 |
| | | | Mean | | 0.069471 |
| | | | Standard Dev | | 0.083071 |
| 802 MW-2 | Manganese Dissolved | ug/L | 06/30/2020 | | 5.2 |
| 802 MW-2 | Manganese Dissolved | ug/L | 09/29/2020 | | 5.3 |
| 802 MW-2 | Manganese Dissolved | ug/L | 12/15/2020 | | 5.6 |
| 802 MW-2 | Manganese Dissolved | ug/L | 03/24/2021 | | 4.5 |
| 802 MW-2 | Manganese Dissolved | ug/L | 06/10/2021 | | 5 |
| 802 MW-2 | Manganese Dissolved | ug/L | 09/17/2021 | | 6.2 |
| 802 MW-2 | Manganese Dissolved | ug/L | 11/18/2021 | | 6.2 |
| 802 MW-2 | Manganese Dissolved | ug/L | 02/08/2022 | | 7 |
| 802 MW-2 | Manganese Dissolved | ug/L | 04/05/2022 | | 7.6 |
| 802 MW-2 | Manganese Dissolved | ug/L | 08/18/2022 | | 8.4 |
| 802 MW-2 | Manganese Dissolved | ug/L | 11/17/2022 | | 7.3 |
| 802 MW-2 | Manganese Dissolved | ug/L | 03/01/2023 | | 8.6 |
| 802 MW-2 | Manganese Dissolved | ug/L | 05/30/2023 | | 8.9 |
| 802 MW-2 | Manganese Dissolved | ug/L | 08/01/2023 | | 6.9 |
| 802 MW-2 | Manganese Dissolved | ug/L | 11/09/2023 | | 8.4 |
| 802 MW-2 | Manganese Dissolved | ug/L | 02/06/2024 | | 13.1 |
| 802 MW-2 | Manganese Dissolved | ug/L | 05/08/2024 | | 9.5 |
| | | | Mean | | 7.276471 |
| | | | Standard Dev | | 2.062702 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|------------------------------------|-----------|--------------|------|------------|
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 06/30/2020 < | | 0.26 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 09/29/2020 < | | 0.26 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 12/15/2020 < | | 0.26 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 03/24/2021 < | | 0.14 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 06/10/2021 < | | 0.14 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 09/17/2021 < | | 0.14 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 11/18/2021 < | | 0.14 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 02/08/2022 < | | 0.14 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 04/05/2022 < | | 0.14 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 08/18/2022 < | | 0.14 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 11/17/2022 < | | 0.14 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 03/01/2023 < | | 0.14 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 05/30/2023 < | | 0.13 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 08/01/2023 < | | 0.13 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 11/09/2023 < | | 0.13 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 02/06/2024 < | | 0.13 |
| 802 MW-2 | Nitrogen, Ammonia Dissolved | mg/L | 05/08/2024 < | | 0.13 |
| | | | Mean | | 0.158235 |
| | | | Standard Dev | | 0.047308 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 06/30/2020 < | | 0.21 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 09/29/2020 < | | 0.21 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 12/15/2020 < | | 0.21 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 03/24/2021 < | | 0.21 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 06/10/2021 < | | 0.21 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 09/17/2021 < | | 0.21 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/18/2021 < | | 0.21 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 02/08/2022 < | | 0.21 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 04/05/2022 < | | 0.21 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 08/18/2022 < | | 0.21 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/17/2022 < | | 0.21 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 03/01/2023 < | | 0.21 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 05/30/2023 < | | 0.39 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 08/01/2023 < | | 0.39 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/09/2023 < | | 0.39 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 02/06/2024 < | | 0.39 |
| 802 MW-2 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 05/08/2024 < | | 0.39 |
| | | | Mean | | 0.262941 |

| well | param | parm_unit | sample_date | resl | result_amt |
|----------|--|-----------|--------------|------|------------|
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 06/30/2020 | < | 0.059 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 09/29/2020 | | 0.13 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 12/15/2020 | | 0.11 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 03/24/2021 | | 0.35 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 06/10/2021 | | 0.11 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 09/17/2021 | | 0.13 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/18/2021 | | 0.16 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 02/08/2022 | | 0.3 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 04/05/2022 | | 0.34 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 08/18/2022 | | 1.2 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/17/2022 | | 0.2 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 03/01/2023 | | 0.43 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 05/30/2023 | | 0.68 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 08/01/2023 | | 0.65 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/09/2023 | | 0.59 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 02/06/2024 | | 0.55 |
| 802 MW-2 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 05/08/2024 | | 0.73 |
| | | | Mean | | 0.395235 |
| | | | Standard Dev | | 0.29634 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 06/30/2020 | < | 0.21 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 09/29/2020 | < | 0.21 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 12/15/2020 | < | 0.21 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 03/24/2021 | < | 0.21 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 06/10/2021 | < | 0.21 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 09/17/2021 | < | 0.21 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 11/18/2021 | < | 0.21 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 02/08/2022 | < | 0.21 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 04/05/2022 | < | 0.21 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 08/18/2022 | < | 0.21 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 11/17/2022 | < | 0.21 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 03/01/2023 | < | 0.21 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 05/30/2023 | < | 0.13 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 08/01/2023 | < | 0.39 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 11/09/2023 | < | 0.39 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 02/06/2024 | < | 0.39 |
| 802 MW-2 | Nitrogen, Organic Dissolved | mg/L | 05/08/2024 | < | 0.39 |
| | | | Mean | | 0.247647 |
| | | | Standard Dev | | 0.081134 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|----------|-----------|-------------|------|------------|
| 802 MW-2 | pH Field | su | 06/30/2020 | | 6.414 |
| 802 MW-2 | pH Field | su | 09/29/2020 | | 6.87 |
| 802 MW-2 | pH Field | su | 12/15/2020 | | 6.07 |
| 802 MW-2 | pH Field | su | 03/24/2021 | | 5.38 |
| 802 MW-2 | pH Field | su | 06/10/2021 | | 10.12 |
| 802 MW-2 | pH Field | su | 09/17/2021 | | 5.36 |
| 802 MW-2 | pH Field | su | 11/18/2021 | | 5.536 |
| 802 MW-2 | pH Field | su | 02/08/2022 | | 4.61 |
| 802 MW-2 | pH Field | su | 04/05/2022 | | 4.44 |
| 802 MW-2 | pH Field | su | 08/18/2022 | | 5.89 |
| 802 MW-2 | pH Field | su | 11/17/2022 | | 5.44 |
| 802 MW-2 | pH Field | su | 03/01/2023 | | 4.77 |
| 802 MW-2 | pH Field | su | 05/30/2023 | | 5.65 |
| 802 MW-2 | pH Field | su | 08/01/2023 | | 5.64 |
| 802 MW-2 | pH Field | su | 11/09/2023 | | 5.82 |
| 802 MW-2 | pH Field | su | 02/06/2024 | | 5.97 |
| 802 MW-2 | pH Field | su | 05/08/2024 | | 6.1 |
| | | | Mean | | 5.887059 |

| | | | | | |
|----------|-------------------------|------|--------------|---|----------|
| 802 MW-2 | Solids, Total Dissolved | mg/L | 06/30/2020 | | 38 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 09/29/2020 | | 40 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 12/15/2020 | | 46 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 03/24/2021 | | 22 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 06/10/2021 | | 26 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 09/17/2021 | < | 8.7 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 11/18/2021 | | 40 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 02/08/2022 | < | 8.7 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 04/05/2022 | | 28 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 08/18/2022 | | 20 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 11/17/2022 | | 36 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 03/01/2023 | | 32 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 05/30/2023 | < | 10 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 08/01/2023 | | 57 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 11/09/2023 | | 160 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 02/06/2024 | | 31 |
| 802 MW-2 | Solids, Total Dissolved | mg/L | 05/08/2024 | | 74 |
| | | | Mean | | 39.84706 |
| | | | Standard Dev | | 34.27311 |

| well | param | parm_unit | sample_date | resl | result_amt |
|----------|--------------------|-----------|-------------|------|------------|
| 803 MW-3 | Chloride Dissolved | mg/L | 06/30/2020 | | 5.7 |
| 803 MW-3 | Chloride Dissolved | mg/L | 09/29/2020 | | 7.6 |
| 803 MW-3 | Chloride Dissolved | mg/L | 12/15/2020 | | 7.3 |
| 803 MW-3 | Chloride Dissolved | mg/L | 03/24/2021 | | 7.6 |
| 803 MW-3 | Chloride Dissolved | mg/L | 06/10/2021 | | 6.6 |
| 803 MW-3 | Chloride Dissolved | mg/L | 09/17/2021 | | 5.5 |
| 803 MW-3 | Chloride Dissolved | mg/L | 11/18/2021 | | 5.6 |
| 803 MW-3 | Chloride Dissolved | mg/L | 02/08/2022 | | 5.6 |
| 803 MW-3 | Chloride Dissolved | mg/L | 04/05/2022 | | 6.4 |
| 803 MW-3 | Chloride Dissolved | mg/L | 08/18/2022 | | 5.5 |
| 803 MW-3 | Chloride Dissolved | mg/L | 11/17/2022 | | 9 |
| 803 MW-3 | Chloride Dissolved | mg/L | 03/01/2023 | | 6.5 |
| 803 MW-3 | Chloride Dissolved | mg/L | 05/30/2023 | | 4.2 |
| 803 MW-3 | Chloride Dissolved | mg/L | 08/01/2023 | | 4.8 |
| 803 MW-3 | Chloride Dissolved | mg/L | 11/09/2023 | | 2.9 |
| 803 MW-3 | Chloride Dissolved | mg/L | 02/06/2024 | | 2.8 |
| 803 MW-3 | Chloride Dissolved | mg/L | 05/08/2024 | | 2.2 |
| | | | | | |
| 803 MW-3 | COD | mg/L | 06/30/2020 | | 72.1 |
| 803 MW-3 | COD | mg/L | 09/29/2020 | | 128 |
| 803 MW-3 | COD | mg/L | 12/15/2020 | | 57.4 |
| 803 MW-3 | COD | mg/L | 03/24/2021 | | 77.6 |
| 803 MW-3 | COD | mg/L | 06/10/2021 | | 49.6 |
| 803 MW-3 | COD | mg/L | 09/17/2021 | | 32.7 |
| 803 MW-3 | COD | mg/L | 11/18/2021 | | 28.1 |
| 803 MW-3 | COD | mg/L | 02/08/2022 | < | 14.7 |
| 803 MW-3 | COD | mg/L | 04/05/2022 | < | 14.7 |
| 803 MW-3 | COD | mg/L | 08/18/2022 | | 25.9 |
| 803 MW-3 | COD | mg/L | 11/17/2022 | < | 14.7 |
| 803 MW-3 | COD | mg/L | 03/01/2023 | < | 14.7 |
| 803 MW-3 | COD | mg/L | 05/30/2023 | | 18 |
| 803 MW-3 | COD | mg/L | 08/01/2023 | < | 18 |
| 803 MW-3 | COD | mg/L | 11/09/2023 | < | 18 |
| 803 MW-3 | COD | mg/L | 02/06/2024 | < | 18 |
| 803 MW-3 | COD | mg/L | 05/08/2024 | < | 18 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|---------------------|-----------|-------------|------|------------|
| 803 MW-3 | Iron Dissolved | mg/L | 06/30/2020 | | 3.7 |
| 803 MW-3 | Iron Dissolved | mg/L | 09/29/2020 | | 2.6 |
| 803 MW-3 | Iron Dissolved | mg/L | 12/15/2020 | | 3 |
| 803 MW-3 | Iron Dissolved | mg/L | 03/24/2021 | | 1.3 |
| 803 MW-3 | Iron Dissolved | mg/L | 06/10/2021 | | 2.5 |
| 803 MW-3 | Iron Dissolved | mg/L | 09/17/2021 | | 0.7 |
| 803 MW-3 | Iron Dissolved | mg/L | 11/18/2021 | | 0.69 |
| 803 MW-3 | Iron Dissolved | mg/L | 02/08/2022 | | 0.73 |
| 803 MW-3 | Iron Dissolved | mg/L | 04/05/2022 | | 0.56 |
| 803 MW-3 | Iron Dissolved | mg/L | 08/18/2022 | | 0.26 |
| 803 MW-3 | Iron Dissolved | mg/L | 11/17/2022 | < | 0.057 |
| 803 MW-3 | Iron Dissolved | mg/L | 03/01/2023 | | 0.068 |
| 803 MW-3 | Iron Dissolved | mg/L | 05/30/2023 | | 0.479 |
| 803 MW-3 | Iron Dissolved | mg/L | 08/01/2023 | < | 0.025 |
| 803 MW-3 | Iron Dissolved | mg/L | 11/09/2023 | | 0.117 |
| 803 MW-3 | Iron Dissolved | mg/L | 02/06/2024 | | 0.847 |
| 803 MW-3 | Iron Dissolved | mg/L | 05/08/2024 | | 0.041 |
| | | | | | |
| 803 MW-3 | Manganese Dissolved | ug/L | 06/30/2020 | | 4900 |
| 803 MW-3 | Manganese Dissolved | ug/L | 09/29/2020 | | 5250 |
| 803 MW-3 | Manganese Dissolved | ug/L | 12/15/2020 | | 5600 |
| 803 MW-3 | Manganese Dissolved | ug/L | 03/24/2021 | | 4750 |
| 803 MW-3 | Manganese Dissolved | ug/L | 06/10/2021 | | 6260 |
| 803 MW-3 | Manganese Dissolved | ug/L | 09/17/2021 | | 5080 |
| 803 MW-3 | Manganese Dissolved | ug/L | 11/18/2021 | | 5270 |
| 803 MW-3 | Manganese Dissolved | ug/L | 02/08/2022 | | 6100 |
| 803 MW-3 | Manganese Dissolved | ug/L | 04/05/2022 | | 5910 |
| 803 MW-3 | Manganese Dissolved | ug/L | 08/18/2022 | | 5050 |
| 803 MW-3 | Manganese Dissolved | ug/L | 11/17/2022 | | 3010 |
| 803 MW-3 | Manganese Dissolved | ug/L | 03/01/2023 | | 5160 |
| 803 MW-3 | Manganese Dissolved | ug/L | 05/30/2023 | | 4760 |
| 803 MW-3 | Manganese Dissolved | ug/L | 08/01/2023 | | 3720 |
| 803 MW-3 | Manganese Dissolved | ug/L | 11/09/2023 | | 2410 |
| 803 MW-3 | Manganese Dissolved | ug/L | 02/06/2024 | | 3890 |
| 803 MW-3 | Manganese Dissolved | ug/L | 05/08/2024 | | 4080 |

| well | param | parm_unit | sample_date | resl | result_amt |
|----------|------------------------------------|-----------|-------------|------|------------|
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 06/30/2020 | < | 0.26 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 09/29/2020 | < | 0.26 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 12/15/2020 | < | 0.26 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 03/24/2021 | < | 0.14 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 06/10/2021 | < | 0.14 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 09/17/2021 | < | 0.14 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 11/18/2021 | < | 0.14 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 02/08/2022 | < | 0.14 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 04/05/2022 | < | 0.14 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 08/18/2022 | < | 0.14 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 11/17/2022 | < | 0.14 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 03/01/2023 | < | 0.14 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 05/30/2023 | < | 0.13 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 08/01/2023 | < | 0.13 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 11/09/2023 | < | 0.13 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 02/06/2024 | < | 0.13 |
| 803 MW-3 | Nitrogen, Ammonia Dissolved | mg/L | 05/08/2024 | < | 0.13 |
| | | | | | |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 06/30/2020 | < | 0.21 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 09/29/2020 | | 0.21 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 12/15/2020 | < | 0.21 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 03/24/2021 | < | 0.21 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 06/10/2021 | | 0.3 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 09/17/2021 | | 0.26 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/18/2021 | < | 0.21 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 02/08/2022 | < | 0.21 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 04/05/2022 | < | 0.21 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 08/18/2022 | < | 0.21 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/17/2022 | < | 0.21 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 03/01/2023 | < | 0.21 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 05/30/2023 | < | 0.39 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 08/01/2023 | < | 0.39 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/09/2023 | < | 0.39 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 02/06/2024 | < | 0.39 |
| 803 MW-3 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 05/08/2024 | < | 0.39 |

| well | param | parm_unit | sample_date | resl | result_amt |
|----------|--|-----------|--------------|------|------------|
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 06/30/2020 | | 1.2 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 09/29/2020 | | 0.32 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 12/15/2020 | | 1 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 03/24/2021 | | 0.36 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 06/10/2021 | | 5 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 09/17/2021 | | 3.7 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/18/2021 | | 8.6 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 02/08/2022 | | 5.6 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 04/05/2022 | | 1.3 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 08/18/2022 | | 3.6 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/17/2022 | | 9.6 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 03/01/2023 | | 2.5 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 05/30/2023 | | 4.7 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 08/01/2023 | | 8.4 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/09/2023 | | 4.5 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 02/06/2024 | | 4.5 |
| 803 MW-3 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 05/08/2024 | | 6 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 06/30/2020 < | | 0.21 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 09/29/2020 | | 0.21 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 12/15/2020 < | | 0.21 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 03/24/2021 < | | 0.21 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 06/10/2021 | | 0.3 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 09/17/2021 | | 0.26 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 11/18/2021 < | | 0.21 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 02/08/2022 < | | 0.21 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 04/05/2022 < | | 0.21 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 08/18/2022 < | | 0.21 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 11/17/2022 < | | 0.21 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 03/01/2023 < | | 0.21 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 05/30/2023 < | | 0.39 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 08/01/2023 < | | 0.39 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 11/09/2023 < | | 0.39 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 02/06/2024 < | | 0.39 |
| 803 MW-3 | Nitrogen, Organic Dissolved | mg/L | 05/08/2024 < | | 0.39 |

| well | param | parm_unit | sample_date | resl | result_amt |
|----------|----------|-----------|-------------|------|------------|
| 803 MW-3 | pH Field | su | 06/30/2020 | | 6.876 |
| 803 MW-3 | pH Field | su | 09/29/2020 | | 5.25 |
| 803 MW-3 | pH Field | su | 12/15/2020 | | 5.22 |
| 803 MW-3 | pH Field | su | 03/24/2021 | | 5.36 |
| 803 MW-3 | pH Field | su | 06/10/2021 | | 9.08 |
| 803 MW-3 | pH Field | su | 09/17/2021 | | 5.88 |
| 803 MW-3 | pH Field | su | 11/18/2021 | | 5.8 |
| 803 MW-3 | pH Field | su | 02/08/2022 | | 5.37 |
| 803 MW-3 | pH Field | su | 04/05/2022 | | 4.64 |
| 803 MW-3 | pH Field | su | 08/18/2022 | | 6.32 |
| 803 MW-3 | pH Field | su | 11/17/2022 | | 5.94 |
| 803 MW-3 | pH Field | su | 03/01/2023 | | 4.74 |
| 803 MW-3 | pH Field | su | 05/30/2023 | | 5.53 |
| 803 MW-3 | pH Field | su | 08/01/2023 | | 5.19 |
| 803 MW-3 | pH Field | su | 11/09/2023 | | 6.02 |
| 803 MW-3 | pH Field | su | 02/06/2024 | | 5.82 |
| 803 MW-3 | pH Field | su | 05/08/2024 | | 5.51 |

| | | | | | |
|----------|-------------------------|------|------------|--|-----|
| 803 MW-3 | Solids, Total Dissolved | mg/L | 06/30/2020 | | 80 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 09/29/2020 | | 80 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 12/15/2020 | | 86 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 03/24/2021 | | 74 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 06/10/2021 | | 66 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 09/17/2021 | | 68 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 11/18/2021 | | 82 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 02/08/2022 | | 62 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 04/05/2022 | | 80 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 08/18/2022 | | 94 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 11/17/2022 | | 136 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 03/01/2023 | | 60 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 05/30/2023 | | 59 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 08/01/2023 | | 50 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 11/09/2023 | | 120 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 02/06/2024 | | 76 |
| 803 MW-3 | Solids, Total Dissolved | mg/L | 05/08/2024 | | 41 |

| | | | | | |
|----------|--------------------|------|------------|--|------|
| 804 MW-4 | Chloride Dissolved | mg/L | 09/17/2021 | | 16.1 |
| 804 MW-4 | Chloride Dissolved | mg/L | 11/18/2021 | | 14.9 |
| 804 MW-4 | Chloride Dissolved | mg/L | 02/08/2022 | | 19.3 |
| 804 MW-4 | Chloride Dissolved | mg/L | 04/07/2022 | | 21.6 |
| 804 MW-4 | Chloride Dissolved | mg/L | 08/18/2022 | | 21.2 |
| 804 MW-4 | Chloride Dissolved | mg/L | 11/17/2022 | | 3.2 |
| 804 MW-4 | Chloride Dissolved | mg/L | 03/01/2023 | | 0.8 |
| 804 MW-4 | Chloride Dissolved | mg/L | 05/30/2023 | | 2.7 |
| 804 MW-4 | Chloride Dissolved | mg/L | 08/01/2023 | | 8.2 |
| 804 MW-4 | Chloride Dissolved | mg/L | 11/09/2023 | | 21 |
| 804 MW-4 | Chloride Dissolved | mg/L | 02/06/2024 | | 50 |
| 804 MW-4 | Chloride Dissolved | mg/L | 05/08/2024 | | 21 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|---------------------|-----------|-------------|------|------------|
| 804 MW-4 | COD | mg/L | 09/17/2021 | | 37.2 |
| 804 MW-4 | COD | mg/L | 11/18/2021 | | 28.1 |
| 804 MW-4 | COD | mg/L | 02/08/2022 | < | 14.7 |
| 804 MW-4 | COD | mg/L | 04/07/2022 | | 14.9 |
| 804 MW-4 | COD | mg/L | 08/18/2022 | < | 14.7 |
| 804 MW-4 | COD | mg/L | 11/17/2022 | < | 14.7 |
| 804 MW-4 | COD | mg/L | 03/01/2023 | < | 14.7 |
| 804 MW-4 | COD | mg/L | 05/30/2023 | | 30 |
| 804 MW-4 | COD | mg/L | 08/01/2023 | < | 18 |
| 804 MW-4 | COD | mg/L | 11/09/2023 | | 18 |
| 804 MW-4 | COD | mg/L | 02/06/2024 | < | 18 |
| 804 MW-4 | COD | mg/L | 05/08/2024 | | 23 |
| 804 MW-4 | Iron Dissolved | mg/L | 09/17/2021 | < | 0.057 |
| 804 MW-4 | Iron Dissolved | mg/L | 11/18/2021 | < | 0.057 |
| 804 MW-4 | Iron Dissolved | mg/L | 02/08/2022 | < | 0.057 |
| 804 MW-4 | Iron Dissolved | mg/L | 04/07/2022 | < | 0.057 |
| 804 MW-4 | Iron Dissolved | mg/L | 08/18/2022 | | 0.17 |
| 804 MW-4 | Iron Dissolved | mg/L | 11/17/2022 | < | 0.057 |
| 804 MW-4 | Iron Dissolved | mg/L | 03/01/2023 | < | 0.057 |
| 804 MW-4 | Iron Dissolved | mg/L | 05/30/2023 | | 0.129 |
| 804 MW-4 | Iron Dissolved | mg/L | 08/01/2023 | < | 0.025 |
| 804 MW-4 | Iron Dissolved | mg/L | 11/09/2023 | < | 0.025 |
| 804 MW-4 | Iron Dissolved | mg/L | 02/06/2024 | < | 0.025 |
| 804 MW-4 | Iron Dissolved | mg/L | 05/08/2024 | < | 0.025 |
| 804 MW-4 | Manganese Dissolved | ug/L | 09/17/2021 | | 733 |
| 804 MW-4 | Manganese Dissolved | ug/L | 11/18/2021 | | 811 |
| 804 MW-4 | Manganese Dissolved | ug/L | 02/08/2022 | | 729 |
| 804 MW-4 | Manganese Dissolved | ug/L | 04/07/2022 | | 638 |
| 804 MW-4 | Manganese Dissolved | ug/L | 08/18/2022 | | 1370 |
| 804 MW-4 | Manganese Dissolved | ug/L | 11/17/2022 | | 584 |
| 804 MW-4 | Manganese Dissolved | ug/L | 03/01/2023 | | 1570 |
| 804 MW-4 | Manganese Dissolved | ug/L | 05/30/2023 | | 411 |
| 804 MW-4 | Manganese Dissolved | ug/L | 08/01/2023 | | 178 |
| 804 MW-4 | Manganese Dissolved | ug/L | 11/09/2023 | | 59.5 |
| 804 MW-4 | Manganese Dissolved | ug/L | 02/06/2024 | | 570 |
| 804 MW-4 | Manganese Dissolved | ug/L | 05/08/2024 | | 143 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|--|-----------|-------------|------|------------|
| 804 MW-4 | Nitrogen, Ammonia Dissolved | mg/L | 09/17/2021 | | 0.22 |
| 804 MW-4 | Nitrogen, Ammonia Dissolved | mg/L | 11/18/2021 | | 0.2 |
| 804 MW-4 | Nitrogen, Ammonia Dissolved | mg/L | 02/08/2022 | | 0.3 |
| 804 MW-4 | Nitrogen, Ammonia Dissolved | mg/L | 04/07/2022 | | 0.22 |
| 804 MW-4 | Nitrogen, Ammonia Dissolved | mg/L | 08/18/2022 | | 0.23 |
| 804 MW-4 | Nitrogen, Ammonia Dissolved | mg/L | 11/17/2022 | < | 0.14 |
| 804 MW-4 | Nitrogen, Ammonia Dissolved | mg/L | 03/01/2023 | < | 0.14 |
| 804 MW-4 | Nitrogen, Ammonia Dissolved | mg/L | 05/30/2023 | < | 0.13 |
| 804 MW-4 | Nitrogen, Ammonia Dissolved | mg/L | 08/01/2023 | < | 0.13 |
| 804 MW-4 | Nitrogen, Ammonia Dissolved | mg/L | 11/09/2023 | < | 0.13 |
| 804 MW-4 | Nitrogen, Ammonia Dissolved | mg/L | 02/06/2024 | < | 0.13 |
| 804 MW-4 | Nitrogen, Ammonia Dissolved | mg/L | 05/08/2024 | < | 0.13 |
| 804 MW-4 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 09/17/2021 | | 0.88 |
| 804 MW-4 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/18/2021 | | 0.66 |
| 804 MW-4 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 02/08/2022 | | 0.78 |
| 804 MW-4 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 04/07/2022 | | 0.42 |
| 804 MW-4 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 08/18/2022 | | 0.85 |
| 804 MW-4 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/17/2022 | | 0.27 |
| 804 MW-4 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 03/01/2023 | | 0.31 |
| 804 MW-4 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 05/30/2023 | < | 0.39 |
| 804 MW-4 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 08/01/2023 | | 0.4 |
| 804 MW-4 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/09/2023 | | 0.58 |
| 804 MW-4 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 02/06/2024 | < | 0.39 |
| 804 MW-4 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 05/08/2024 | | 2.9 |
| 804 MW-4 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 09/17/2021 | | 3.3 |
| 804 MW-4 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/18/2021 | | 3.3 |
| 804 MW-4 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 02/08/2022 | | 2.6 |
| 804 MW-4 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 04/07/2022 | | 2.5 |
| 804 MW-4 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 08/18/2022 | | 5.8 |
| 804 MW-4 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/17/2022 | | 4.9 |
| 804 MW-4 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 03/01/2023 | | 4.5 |
| 804 MW-4 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 05/30/2023 | | 1.9 |
| 804 MW-4 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 08/01/2023 | | 2.4 |
| 804 MW-4 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/09/2023 | | 1.4 |
| 804 MW-4 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 02/06/2024 | | 0.58 |
| 804 MW-4 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 05/08/2024 | | 2.3 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|-----------------------------|-----------|-------------|------|------------|
| 804 MW-4 | Nitrogen, Organic Dissolved | mg/L | 09/17/2021 | | 0.66 |
| 804 MW-4 | Nitrogen, Organic Dissolved | mg/L | 11/18/2021 | | 0.46 |
| 804 MW-4 | Nitrogen, Organic Dissolved | mg/L | 02/08/2022 | | 0.48 |
| 804 MW-4 | Nitrogen, Organic Dissolved | mg/L | 04/07/2022 | < | 0.21 |
| 804 MW-4 | Nitrogen, Organic Dissolved | mg/L | 08/18/2022 | | 0.62 |
| 804 MW-4 | Nitrogen, Organic Dissolved | mg/L | 11/17/2022 | | 0.27 |
| 804 MW-4 | Nitrogen, Organic Dissolved | mg/L | 03/01/2023 | | 0.31 |
| 804 MW-4 | Nitrogen, Organic Dissolved | mg/L | 05/30/2023 | < | 0.39 |
| 804 MW-4 | Nitrogen, Organic Dissolved | mg/L | 08/01/2023 | < | 0.39 |
| 804 MW-4 | Nitrogen, Organic Dissolved | mg/L | 11/09/2023 | | 0.58 |
| 804 MW-4 | Nitrogen, Organic Dissolved | mg/L | 02/06/2024 | < | 0.39 |
| 804 MW-4 | Nitrogen, Organic Dissolved | mg/L | 05/08/2024 | | 2.9 |
| 804 MW-4 | pH Field | su | 09/17/2021 | | 7.63 |
| 804 MW-4 | pH Field | su | 11/18/2021 | | 7.126 |
| 804 MW-4 | pH Field | su | 02/08/2022 | | 6.87 |
| 804 MW-4 | pH Field | su | 04/07/2022 | | 6.51 |
| 804 MW-4 | pH Field | su | 08/18/2022 | | 6.58 |
| 804 MW-4 | pH Field | su | 11/17/2022 | | 6.78 |
| 804 MW-4 | pH Field | su | 03/01/2023 | | 5.81 |
| 804 MW-4 | pH Field | su | 05/30/2023 | | 6.51 |
| 804 MW-4 | pH Field | su | 08/01/2023 | | 6.29 |
| 804 MW-4 | pH Field | su | 11/09/2023 | | 6.81 |
| 804 MW-4 | pH Field | su | 02/06/2024 | | 6.62 |
| 804 MW-4 | pH Field | su | 05/08/2024 | | 6.62 |
| 804 MW-4 | Solids, Total Dissolved | mg/L | 09/17/2021 | | 392 |
| 804 MW-4 | Solids, Total Dissolved | mg/L | 11/18/2021 | | 228 |
| 804 MW-4 | Solids, Total Dissolved | mg/L | 02/08/2022 | | 224 |
| 804 MW-4 | Solids, Total Dissolved | mg/L | 04/07/2022 | | 230 |
| 804 MW-4 | Solids, Total Dissolved | mg/L | 08/18/2022 | | 222 |
| 804 MW-4 | Solids, Total Dissolved | mg/L | 11/17/2022 | | 182 |
| 804 MW-4 | Solids, Total Dissolved | mg/L | 03/01/2023 | | 164 |
| 804 MW-4 | Solids, Total Dissolved | mg/L | 05/30/2023 | | 66 |
| 804 MW-4 | Solids, Total Dissolved | mg/L | 08/01/2023 | | 96 |
| 804 MW-4 | Solids, Total Dissolved | mg/L | 11/09/2023 | | 270 |
| 804 MW-4 | Solids, Total Dissolved | mg/L | 02/06/2024 | | 410 |
| 804 MW-4 | Solids, Total Dissolved | mg/L | 05/08/2024 | | 190 |

| well | param | parm_unit | sample_date | resl | result_amt |
|----------|--------------------|-----------|--------------|------|------------|
| 805 MW-5 | Chloride Dissolved | mg/L | 09/17/2021 | | 0.66 |
| 805 MW-5 | Chloride Dissolved | mg/L | 11/18/2021 | | 1.2 |
| 805 MW-5 | Chloride Dissolved | mg/L | 02/08/2022 | | 0.68 |
| 805 MW-5 | Chloride Dissolved | mg/L | 04/05/2022 | | 0.74 |
| 805 MW-5 | Chloride Dissolved | mg/L | 08/18/2022 | | 0.64 |
| 805 MW-5 | Chloride Dissolved | mg/L | 11/17/2022 | | 0.81 |
| 805 MW-5 | Chloride Dissolved | mg/L | 03/01/2023 | | 12.9 |
| 805 MW-5 | Chloride Dissolved | mg/L | 05/30/2023 | < | 1 |
| 805 MW-5 | Chloride Dissolved | mg/L | 08/01/2023 | < | 1 |
| 805 MW-5 | Chloride Dissolved | mg/L | 11/09/2023 | < | 1 |
| 805 MW-5 | Chloride Dissolved | mg/L | 02/06/2024 | < | 1 |
| 805 MW-5 | Chloride Dissolved | mg/L | 05/08/2024 | < | 1 |
| | | | Mean | | 1.885833 |
| | | | Standard Dev | | 3.325218 |
| 805 MW-5 | COD | mg/L | 09/17/2021 | | 17 |
| 805 MW-5 | COD | mg/L | 11/18/2021 | < | 14.7 |
| 805 MW-5 | COD | mg/L | 02/08/2022 | < | 14.7 |
| 805 MW-5 | COD | mg/L | 04/05/2022 | < | 14.7 |
| 805 MW-5 | COD | mg/L | 08/18/2022 | < | 14.7 |
| 805 MW-5 | COD | mg/L | 11/17/2022 | < | 14.7 |
| 805 MW-5 | COD | mg/L | 03/01/2023 | < | 14.7 |
| 805 MW-5 | COD | mg/L | 05/30/2023 | < | 18 |
| 805 MW-5 | COD | mg/L | 08/01/2023 | < | 18 |
| 805 MW-5 | COD | mg/L | 11/09/2023 | < | 18 |
| 805 MW-5 | COD | mg/L | 02/06/2024 | < | 18 |
| 805 MW-5 | COD | mg/L | 05/08/2024 | < | 18 |
| | | | Mean | | 16.26667 |
| | | | Standard Dev | | 1.588675 |
| 805 MW-5 | Iron Dissolved | mg/L | 09/17/2021 | < | 0.057 |
| 805 MW-5 | Iron Dissolved | mg/L | 11/18/2021 | | 0.094 |
| 805 MW-5 | Iron Dissolved | mg/L | 02/08/2022 | < | 0.057 |
| 805 MW-5 | Iron Dissolved | mg/L | 04/05/2022 | < | 0.057 |
| 805 MW-5 | Iron Dissolved | mg/L | 08/18/2022 | | 0.19 |
| 805 MW-5 | Iron Dissolved | mg/L | 11/17/2022 | < | 0.057 |
| 805 MW-5 | Iron Dissolved | mg/L | 03/01/2023 | < | 0.057 |
| 805 MW-5 | Iron Dissolved | mg/L | 05/30/2023 | < | 0.025 |
| 805 MW-5 | Iron Dissolved | mg/L | 08/01/2023 | | 0.0894 |
| 805 MW-5 | Iron Dissolved | mg/L | 11/09/2023 | | 0.0399 |
| 805 MW-5 | Iron Dissolved | mg/L | 02/06/2024 | | 0.185 |
| 805 MW-5 | Iron Dissolved | mg/L | 05/08/2024 | < | 0.025 |
| | | | Mean | | 0.077775 |
| | | | Standard Dev | | 0.052957 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|------------------------------------|-----------|--------------|------|------------|
| 805 MW-5 | Manganese Dissolved | ug/L | 09/17/2021 | | 96.2 |
| 805 MW-5 | Manganese Dissolved | ug/L | 11/18/2021 | | 68 |
| 805 MW-5 | Manganese Dissolved | ug/L | 02/08/2022 | | 22.8 |
| 805 MW-5 | Manganese Dissolved | ug/L | 04/05/2022 | | 16 |
| 805 MW-5 | Manganese Dissolved | ug/L | 08/18/2022 | | 15.2 |
| 805 MW-5 | Manganese Dissolved | ug/L | 11/17/2022 | | 7.9 |
| 805 MW-5 | Manganese Dissolved | ug/L | 03/01/2023 | | 4.5 |
| 805 MW-5 | Manganese Dissolved | ug/L | 05/30/2023 | | 7.6 |
| 805 MW-5 | Manganese Dissolved | ug/L | 08/01/2023 | | 6.8 |
| 805 MW-5 | Manganese Dissolved | ug/L | 11/09/2023 | | 8.8 |
| 805 MW-5 | Manganese Dissolved | ug/L | 02/06/2024 | | 8.8 |
| 805 MW-5 | Manganese Dissolved | ug/L | 05/08/2024 | | 8.2 |
| | | | Mean | | 22.56667 |
| | | | Standard Dev | | 27.66322 |
| 805 MW-5 | Nitrogen, Ammonia Dissolved | mg/L | 09/17/2021 < | | 0.14 |
| 805 MW-5 | Nitrogen, Ammonia Dissolved | mg/L | 11/18/2021 < | | 0.14 |
| 805 MW-5 | Nitrogen, Ammonia Dissolved | mg/L | 02/08/2022 < | | 0.14 |
| 805 MW-5 | Nitrogen, Ammonia Dissolved | mg/L | 04/05/2022 < | | 0.14 |
| 805 MW-5 | Nitrogen, Ammonia Dissolved | mg/L | 08/18/2022 < | | 0.14 |
| 805 MW-5 | Nitrogen, Ammonia Dissolved | mg/L | 11/17/2022 < | | 0.14 |
| 805 MW-5 | Nitrogen, Ammonia Dissolved | mg/L | 03/01/2023 < | | 0.14 |
| 805 MW-5 | Nitrogen, Ammonia Dissolved | mg/L | 05/30/2023 < | | 0.13 |
| 805 MW-5 | Nitrogen, Ammonia Dissolved | mg/L | 08/01/2023 < | | 0.13 |
| 805 MW-5 | Nitrogen, Ammonia Dissolved | mg/L | 11/09/2023 < | | 0.13 |
| 805 MW-5 | Nitrogen, Ammonia Dissolved | mg/L | 02/06/2024 < | | 0.13 |
| 805 MW-5 | Nitrogen, Ammonia Dissolved | mg/L | 05/08/2024 < | | 0.13 |
| | | | Mean | | 0.135833 |
| | | | Standard Dev | | 0.00493 |
| 805 MW-5 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 09/17/2021 | | 0.35 |
| 805 MW-5 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/18/2021 < | | 0.21 |
| 805 MW-5 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 02/08/2022 < | | 0.21 |
| 805 MW-5 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 04/05/2022 < | | 0.21 |
| 805 MW-5 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 08/18/2022 < | | 0.21 |
| 805 MW-5 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/17/2022 < | | 0.21 |
| 805 MW-5 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 03/01/2023 < | | 0.21 |
| 805 MW-5 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 05/30/2023 < | | 0.39 |
| 805 MW-5 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 08/01/2023 < | | 0.39 |
| 805 MW-5 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/09/2023 < | | 0.39 |
| 805 MW-5 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 02/06/2024 < | | 0.39 |
| 805 MW-5 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 05/08/2024 < | | 0.39 |
| | | | Mean | | 0.296667 |
| | | | Standard Dev | | 0.087305 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|--|-----------|--------------|------|------------|
| 805 MW-5 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 09/17/2021 | | 0.18 |
| 805 MW-5 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/18/2021 | | 0.13 |
| 805 MW-5 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 02/08/2022 | | 0.18 |
| 805 MW-5 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 04/05/2022 | | 0.22 |
| 805 MW-5 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 08/18/2022 | | 0.24 |
| 805 MW-5 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/17/2022 | | 0.23 |
| 805 MW-5 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 03/01/2023 | | 0.38 |
| 805 MW-5 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 05/30/2023 | | 0.29 |
| 805 MW-5 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 08/01/2023 | | 0.13 |
| 805 MW-5 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/09/2023 | | 0.22 |
| 805 MW-5 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 02/06/2024 | | 0.36 |
| 805 MW-5 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 05/08/2024 | | 0.23 |
| | | | Mean | | 0.2325 |
| | | | Standard Dev | | 0.075402 |
| 805 MW-5 | Nitrogen, Organic Dissolved | mg/L | 09/17/2021 | | 0.35 |
| 805 MW-5 | Nitrogen, Organic Dissolved | mg/L | 11/18/2021 | < | 0.21 |
| 805 MW-5 | Nitrogen, Organic Dissolved | mg/L | 02/08/2022 | < | 0.21 |
| 805 MW-5 | Nitrogen, Organic Dissolved | mg/L | 04/05/2022 | < | 0.21 |
| 805 MW-5 | Nitrogen, Organic Dissolved | mg/L | 08/18/2022 | < | 0.21 |
| 805 MW-5 | Nitrogen, Organic Dissolved | mg/L | 11/17/2022 | < | 0.21 |
| 805 MW-5 | Nitrogen, Organic Dissolved | mg/L | 03/01/2023 | < | 0.21 |
| 805 MW-5 | Nitrogen, Organic Dissolved | mg/L | 05/30/2023 | < | 0.39 |
| 805 MW-5 | Nitrogen, Organic Dissolved | mg/L | 08/01/2023 | < | 0.39 |
| 805 MW-5 | Nitrogen, Organic Dissolved | mg/L | 11/09/2023 | < | 0.39 |
| 805 MW-5 | Nitrogen, Organic Dissolved | mg/L | 02/06/2024 | < | 0.39 |
| 805 MW-5 | Nitrogen, Organic Dissolved | mg/L | 05/08/2024 | < | 0.39 |
| | | | Mean | | 0.296667 |
| | | | Standard Dev | | 0.087305 |
| 805 MW-5 | pH Field | su | 09/17/2021 | | 6.24 |
| 805 MW-5 | pH Field | su | 11/18/2021 | | 5.9 |
| 805 MW-5 | pH Field | su | 02/08/2022 | | 5.66 |
| 805 MW-5 | pH Field | su | 04/05/2022 | | 4.86 |
| 805 MW-5 | pH Field | su | 08/18/2022 | | 6.46 |
| 805 MW-5 | pH Field | su | 11/17/2022 | | 5.76 |
| 805 MW-5 | pH Field | su | 03/01/2023 | | 6.15 |
| 805 MW-5 | pH Field | su | 05/30/2023 | | 5.94 |
| 805 MW-5 | pH Field | su | 08/01/2023 | | 6.2 |
| 805 MW-5 | pH Field | su | 11/09/2023 | | 6.21 |
| 805 MW-5 | pH Field | su | 02/06/2024 | | 6.31 |
| 805 MW-5 | pH Field | su | 05/08/2024 | | 6.59 |
| | | | Mean | | 6.023333 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|-------------------------|-----------|--------------|------|------------|
| 805 MW-5 | Solids, Total Dissolved | mg/L | 09/17/2021 | | 44 |
| 805 MW-5 | Solids, Total Dissolved | mg/L | 11/18/2021 | | 52 |
| 805 MW-5 | Solids, Total Dissolved | mg/L | 02/08/2022 | | 18 |
| 805 MW-5 | Solids, Total Dissolved | mg/L | 04/05/2022 | | 34 |
| 805 MW-5 | Solids, Total Dissolved | mg/L | 08/18/2022 | | 20 |
| 805 MW-5 | Solids, Total Dissolved | mg/L | 11/17/2022 | | 44 |
| 805 MW-5 | Solids, Total Dissolved | mg/L | 03/01/2023 | | 32 |
| 805 MW-5 | Solids, Total Dissolved | mg/L | 05/30/2023 | | 35 |
| 805 MW-5 | Solids, Total Dissolved | mg/L | 08/01/2023 | | 47 |
| 805 MW-5 | Solids, Total Dissolved | mg/L | 11/09/2023 | | 160 |
| 805 MW-5 | Solids, Total Dissolved | mg/L | 02/06/2024 | | 55 |
| 805 MW-5 | Solids, Total Dissolved | mg/L | 05/08/2024 | | 82 |
| | | | Mean | | 51.91667 |
| | | | Standard Dev | | 36.4222 |
| 806 MW-6 | Chloride Dissolved | mg/L | 09/17/2021 | | 5.4 |
| 806 MW-6 | Chloride Dissolved | mg/L | 11/18/2021 | | 6.6 |
| 806 MW-6 | Chloride Dissolved | mg/L | 02/08/2022 | | 5.3 |
| 806 MW-6 | Chloride Dissolved | mg/L | 04/05/2022 | | 4.8 |
| 806 MW-6 | Chloride Dissolved | mg/L | 08/18/2022 | | 7 |
| 806 MW-6 | Chloride Dissolved | mg/L | 11/17/2022 | | 6.7 |
| 806 MW-6 | Chloride Dissolved | mg/L | 03/01/2023 | | 6.4 |
| 806 MW-6 | Chloride Dissolved | mg/L | 05/30/2023 | | 6.8 |
| 806 MW-6 | Chloride Dissolved | mg/L | 08/01/2023 | | 7.4 |
| 806 MW-6 | Chloride Dissolved | mg/L | 11/09/2023 | | 5.7 |
| 806 MW-6 | Chloride Dissolved | mg/L | 02/06/2024 | | 5.9 |
| 806 MW-6 | Chloride Dissolved | mg/L | 05/08/2024 | | 6.6 |
| 806 MW-6 | COD | mg/L | 09/17/2021 | | 17 |
| 806 MW-6 | COD | mg/L | 11/18/2021 < | | 14.7 |
| 806 MW-6 | COD | mg/L | 02/08/2022 < | | 14.7 |
| 806 MW-6 | COD | mg/L | 04/05/2022 < | | 14.7 |
| 806 MW-6 | COD | mg/L | 08/18/2022 | | 17.1 |
| 806 MW-6 | COD | mg/L | 11/17/2022 | | 17.8 |
| 806 MW-6 | COD | mg/L | 03/01/2023 < | | 14.7 |
| 806 MW-6 | COD | mg/L | 05/30/2023 | | 18 |
| 806 MW-6 | COD | mg/L | 08/01/2023 | | 24 |
| 806 MW-6 | COD | mg/L | 11/09/2023 | | 18 |
| 806 MW-6 | COD | mg/L | 02/06/2024 < | | 18 |
| 806 MW-6 | COD | mg/L | 05/08/2024 < | | 18 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|-----------------------------|-----------|-------------|------|------------|
| 806 MW-6 | Iron Dissolved | mg/L | 09/17/2021 | | 0.91 |
| 806 MW-6 | Iron Dissolved | mg/L | 11/18/2021 | | 0.93 |
| 806 MW-6 | Iron Dissolved | mg/L | 02/08/2022 | | 1.9 |
| 806 MW-6 | Iron Dissolved | mg/L | 04/05/2022 | | 1.6 |
| 806 MW-6 | Iron Dissolved | mg/L | 08/18/2022 | | 0.52 |
| 806 MW-6 | Iron Dissolved | mg/L | 11/17/2022 | | 1.5 |
| 806 MW-6 | Iron Dissolved | mg/L | 03/01/2023 | | 1.4 |
| 806 MW-6 | Iron Dissolved | mg/L | 05/30/2023 | | 0.278 |
| 806 MW-6 | Iron Dissolved | mg/L | 08/01/2023 | | 2.04 |
| 806 MW-6 | Iron Dissolved | mg/L | 11/09/2023 | | 2.28 |
| 806 MW-6 | Iron Dissolved | mg/L | 02/06/2024 | | 4.41 |
| 806 MW-6 | Iron Dissolved | mg/L | 05/08/2024 | | 6.69 |
| | | | | | |
| 806 MW-6 | Manganese Dissolved | ug/L | 09/17/2021 | | 1020 |
| 806 MW-6 | Manganese Dissolved | ug/L | 11/18/2021 | | 1070 |
| 806 MW-6 | Manganese Dissolved | ug/L | 02/08/2022 | | 1010 |
| 806 MW-6 | Manganese Dissolved | ug/L | 04/05/2022 | | 825 |
| 806 MW-6 | Manganese Dissolved | ug/L | 08/18/2022 | | 638 |
| 806 MW-6 | Manganese Dissolved | ug/L | 11/17/2022 | | 1370 |
| 806 MW-6 | Manganese Dissolved | ug/L | 03/01/2023 | | 1090 |
| 806 MW-6 | Manganese Dissolved | ug/L | 05/30/2023 | | 406 |
| 806 MW-6 | Manganese Dissolved | ug/L | 08/01/2023 | | 546 |
| 806 MW-6 | Manganese Dissolved | ug/L | 11/09/2023 | | 1750 |
| 806 MW-6 | Manganese Dissolved | ug/L | 02/06/2024 | | 1890 |
| 806 MW-6 | Manganese Dissolved | ug/L | 05/08/2024 | | 1460 |
| | | | | | |
| 806 MW-6 | Nitrogen, Ammonia Dissolved | mg/L | 09/17/2021 | < | 0.14 |
| 806 MW-6 | Nitrogen, Ammonia Dissolved | mg/L | 11/18/2021 | < | 0.14 |
| 806 MW-6 | Nitrogen, Ammonia Dissolved | mg/L | 02/08/2022 | < | 0.14 |
| 806 MW-6 | Nitrogen, Ammonia Dissolved | mg/L | 04/05/2022 | < | 0.14 |
| 806 MW-6 | Nitrogen, Ammonia Dissolved | mg/L | 08/18/2022 | < | 0.14 |
| 806 MW-6 | Nitrogen, Ammonia Dissolved | mg/L | 11/17/2022 | | 0.16 |
| 806 MW-6 | Nitrogen, Ammonia Dissolved | mg/L | 03/01/2023 | | 0.17 |
| 806 MW-6 | Nitrogen, Ammonia Dissolved | mg/L | 05/30/2023 | < | 0.13 |
| 806 MW-6 | Nitrogen, Ammonia Dissolved | mg/L | 08/01/2023 | < | 0.13 |
| 806 MW-6 | Nitrogen, Ammonia Dissolved | mg/L | 11/09/2023 | | 0.13 |
| 806 MW-6 | Nitrogen, Ammonia Dissolved | mg/L | 02/06/2024 | < | 0.13 |
| 806 MW-6 | Nitrogen, Ammonia Dissolved | mg/L | 05/08/2024 | < | 0.13 |

| well | param | parm_unit | sample_date | resu | result_amt |
|----------|--|-----------|-------------|------|------------|
| 806 MW-6 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 09/17/2021 | | 0.63 |
| 806 MW-6 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/18/2021 | < | 0.21 |
| 806 MW-6 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 02/08/2022 | | 0.26 |
| 806 MW-6 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 04/05/2022 | < | 0.21 |
| 806 MW-6 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 08/18/2022 | | 0.34 |
| 806 MW-6 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/17/2022 | | 0.3 |
| 806 MW-6 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 03/01/2023 | | 0.22 |
| 806 MW-6 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 05/30/2023 | < | 0.39 |
| 806 MW-6 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 08/01/2023 | < | 0.39 |
| 806 MW-6 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 11/09/2023 | | 0.44 |
| 806 MW-6 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 02/06/2024 | | 0.52 |
| 806 MW-6 | Nitrogen, Total Kjeldahl Dissolved | mg/L | 05/08/2024 | | 1.7 |
| 806 MW-6 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 09/17/2021 | < | 0.059 |
| 806 MW-6 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/18/2021 | < | 0.059 |
| 806 MW-6 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 02/08/2022 | < | 0.059 |
| 806 MW-6 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 04/05/2022 | | 0.21 |
| 806 MW-6 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 08/18/2022 | < | 0.059 |
| 806 MW-6 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/17/2022 | | 0.065 |
| 806 MW-6 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 03/01/2023 | < | 0.059 |
| 806 MW-6 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 05/30/2023 | < | 0.05 |
| 806 MW-6 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 08/01/2023 | < | 0.05 |
| 806 MW-6 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 11/09/2023 | < | 0.05 |
| 806 MW-6 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 02/06/2024 | < | 0.05 |
| 806 MW-6 | Nitrogen, Nitrite + Nitrate (as N) Dissolved | mg/L | 05/08/2024 | | 0.1 |
| 806 MW-6 | Nitrogen, Organic Dissolved | mg/L | 09/17/2021 | | 0.63 |
| 806 MW-6 | Nitrogen, Organic Dissolved | mg/L | 11/18/2021 | < | 0.21 |
| 806 MW-6 | Nitrogen, Organic Dissolved | mg/L | 02/08/2022 | | 0.26 |
| 806 MW-6 | Nitrogen, Organic Dissolved | mg/L | 04/05/2022 | < | 0.21 |
| 806 MW-6 | Nitrogen, Organic Dissolved | mg/L | 08/18/2022 | | 0.34 |
| 806 MW-6 | Nitrogen, Organic Dissolved | mg/L | 11/17/2022 | < | 0.21 |
| 806 MW-6 | Nitrogen, Organic Dissolved | mg/L | 03/01/2023 | < | 0.21 |
| 806 MW-6 | Nitrogen, Organic Dissolved | mg/L | 05/30/2023 | < | 0.39 |
| 806 MW-6 | Nitrogen, Organic Dissolved | mg/L | 08/01/2023 | < | 0.39 |
| 806 MW-6 | Nitrogen, Organic Dissolved | mg/L | 11/09/2023 | < | 0.39 |
| 806 MW-6 | Nitrogen, Organic Dissolved | mg/L | 02/06/2024 | | 0.52 |
| 806 MW-6 | Nitrogen, Organic Dissolved | mg/L | 05/08/2024 | | 1.7 |

| well | param | parm_unit | sample_date | resl | result_amt |
|----------|-------------------------|-----------|-------------|------|------------|
| 806 MW-6 | pH Field | su | 09/17/2021 | | 6.94 |
| 806 MW-6 | pH Field | su | 11/18/2021 | | 7.213 |
| 806 MW-6 | pH Field | su | 02/08/2022 | | 6.55 |
| 806 MW-6 | pH Field | su | 04/05/2022 | | 6.72 |
| 806 MW-6 | pH Field | su | 08/18/2022 | | 6.62 |
| 806 MW-6 | pH Field | su | 11/17/2022 | | 7.13 |
| 806 MW-6 | pH Field | su | 03/01/2023 | | 6.94 |
| 806 MW-6 | pH Field | su | 05/30/2023 | | 6.84 |
| 806 MW-6 | pH Field | su | 08/01/2023 | | 6.92 |
| 806 MW-6 | pH Field | su | 11/09/2023 | | 7.53 |
| 806 MW-6 | pH Field | su | 02/06/2024 | | 7.39 |
| 806 MW-6 | pH Field | su | 05/08/2024 | | 6.69 |
| 806 MW-6 | Solids, Total Dissolved | mg/L | 09/17/2021 | | 42 |
| 806 MW-6 | Solids, Total Dissolved | mg/L | 11/18/2021 | | 96 |
| 806 MW-6 | Solids, Total Dissolved | mg/L | 02/08/2022 | | 62 |
| 806 MW-6 | Solids, Total Dissolved | mg/L | 04/05/2022 | | 110 |
| 806 MW-6 | Solids, Total Dissolved | mg/L | 08/18/2022 | | 56 |
| 806 MW-6 | Solids, Total Dissolved | mg/L | 11/17/2022 | | 134 |
| 806 MW-6 | Solids, Total Dissolved | mg/L | 03/01/2023 | | 114 |
| 806 MW-6 | Solids, Total Dissolved | mg/L | 05/30/2023 | | 69 |
| 806 MW-6 | Solids, Total Dissolved | mg/L | 08/01/2023 | | 48 |
| 806 MW-6 | Solids, Total Dissolved | mg/L | 11/09/2023 | | 330 |
| 806 MW-6 | Solids, Total Dissolved | mg/L | 02/06/2024 | | 83 |
| 806 MW-6 | Solids, Total Dissolved | mg/L | 05/08/2024 | | 69 |

