Permit Fact Sheet

General Information

Permit Number	WI-0001163-11-0
Permitted Facility Name and Address	Seneca Foods Corporation Ripon 477 South Douglas Street, Ripon, (Sec 27 T16N R14E)
Permit Term	January 01, 2026 to December 31, 2030
Discharge Location	**Spray Irrigation Outfall 002**: 55.8 acre Schultz spray irrigation site located at S1/2, SE1/4, Sec. 27, T16N, R14E. **Spray Irrigation Outfall 006**: 38.5 acre Sina spray irrigation site located at E1/2, NW1/4, Sec. 34, T16N, R14E. **Spray Irrigation Outfall 007**: 79.5 acre Williams spray irrigation site located at W1/2, SE1/4, Sec. 26, T16N, R14E. Landspreading is on Department approved sites.
Receiving Water	Groundwater in Fond Du Lac County
Discharge Type	Existing; seasonal

Facility Description

Seneca Food's Ripon facility processes canned green and wax beans, Italian beans, beets, carrots and potatoes. The normal processing season will start in June and conclude in November. The facility normally processes one vegetable at a time, however during the peak canning season of late July through September two vegetables can be produced on the same day. The vegetables are trucked to the processing facility and are processed in a timely manner. The approximate usage for each commodity is as follows: Beans 480 tons/day, 32,000 tons/year; Beets 225 tons/day; Potatoes 240 tons/day; and Carrots 500 tons/day, 15,000 tons/year. In recent years, Beets and/or Potatoes have only been run on an as needed basis at SFC--Ripon. Other SFC Plants have been scheduled to run 100% of SFC's Beet and Potato needs. The vegetables proceed through a cleaning, cutting, washing, blanching and cooling process, the majority of which is inside an enclosed facility. Actual processing and spray field activities generally occur over a 150 - 170-day period. The facility normally is in operation 20 hours/day and 6 days/week. The total wastewater generated varies between 44 and 70 million gallons/year. Wastewater includes vegetable wash water, blanching water, water generated during equipment and floor clean-up and occasionally storm water. The wastewater is pumped over solids removal screens and pumped to a 600,000-gallon holding tank prior to application to one of three spray fields. Sanitary wastes are discharged to the City of Ripon’s wastewater treatment facility (WWTF). Water softener regeneration and boiler blowdown are also discharged to sanitary sewer to be treated at the City of Ripon’s WWTF.

Substantial Compliance Determination

Enforcement During Last Permit: There have been no enforcement actions taken against the permittee.

After a desk top review of all discharge monitoring reports, CMARs, land app reports, compliance schedule items, and a site visit on September 6th, 2024, this facility has been found to be in substantial compliance with their current permit.

Compliance determination made by Mark Stanek on 7/9/2025.

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)**
002	19.7 MG/Year [2020-2024][2]	OUTFALL: Discharge of canning process wastewater to the 55.8 acre Schultz spray irrigation site located at S1/2, SE1/4, Sec. 27, T16N, R14E. Flow measured by a meter on individual traveling gun.
003	0 MGD [2020-2024][2]	LIQUID WASTEWATER: Canning process wastewater spread/sprayed on approved landspreading sites. The Schultz, Sina and Williams spray irrigation fields are NOT included under this outfall.
006	17.9 MG/year [2020-2024][2]	OUTFALL: Discharge of canning process wastewater to the 38.5 acre Sina spray irrigation site located at E1/2, NW1/4, Sec. 34, T16N, R14E. Flow measured by a meter on individual traveling gun.
007	19.25 MG/year [2020-2024][2]	OUTFALL: Discharge of canning process wastewater to the 79.5 acre Williams spray irrigation site located at W1/2, SE1/4, Sec. 26, T16N, R14E. Flow measured by a meter on individual traveling gun.
017	66 tons (dry weight basis) per year of by-product solids.[1]	BY-PRODUCT SOLIDS: Vegetable by-product solids (not slurried) land applied on department approved sites.
018	70 tons (dry weight basis) per year of by-product solids.[1]	BY-PRODUCT SOLIDS: Slurried vegetable by-product solids land applied on department approved sites.
102	INPLANT.	INPLANT: Mixed canning process wastewater sampled in the pump pit prior to storage in the 600,000 gal Harvestor tank. The wastewater will be sprayed on the Schultz, Sina or Williams irrigation fields for recycling of water and nutrients back to the cover crop.

1: Data obtained from permit application

2: Data obtained from data in WDNR database

Permit Requirements

Sample Point Designation For Groundwater Monitoring Systems			
System	**Sample Pt Number**	**Well Name**	**Comments**
Schultz irrigation field	804	MW-4	NON-POINT OF STANDARD: Upgradient well
	805	MW-1	POINT OF STANDARD: Downgradient well
	806	MW-3	POINT OF STANDARD: Downgradient well
	811	MW-2A	NON-POINT OF STANDARD: Upgradient well
	817	MW-13	POINT OF STANDARD: Downgradient well
Sina irrigation field	808	MW-5	BACKGROUND: Upgradient background well

Sample Point Designation For Groundwater Monitoring Systems			
System	**Sample Pt Number**	**Well Name**	**Comments**
	809	MW-6	POINT OF STANDARD: Downgradient well
	810	MW-7	NON-POINT OF STANDARD: Upgradient well
	816	MW-12	POINT OF STANDARD: Downgradient well
Williams irrigation field	812	MW-8	BACKGROUND: Upgradient well
	814	MW-10	POINT OF STANDARD: Downgradient well
	815	MW-11	POINT OF STANDARD: Downgradient well

1 Inplant - Monitoring and Limitations

1.1 Sample Point Number: 102- PROCESS WW PRIOR TO IRRIGATION

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Chloride		mg/L	1/ 2 Weeks	24-Hr Comp	
Nitrogen, Total Kjeldahl		mg/L	1/ 2 Weeks	24-Hr Comp	
Nitrogen, Nitrite + Nitrate Total		mg/L	1/ 2 Weeks	24-Hr Comp	
Nitrogen, Ammonia (NH3-N) Total		mg/L	1/ 2 Weeks	24-Hr Comp	
Nitrogen, Organic Total		mg/L	1/ 2 Weeks	Calculated	Organic nitrogen = total Kjeldahl nitrogen (mg/L) - ammonia nitrogen (mg/L)
Nitrogen, Total		mg/L	1/ 2 Weeks	Calculated	Total nitrogen = total Kjeldahl nitrogen (mg/L) + [NO2 + NO3] nitrogen (mg/L)

1.1.1 Changes from Previous Permit:

In-plant limitations and monitoring requirements were evaluated for this permit term and the following changes were made from the previous permit. See additional explanation of limits under “Explanation of Limits and Monitoring Requirements” below.

Nitrogen, Nitrite + Nitrate Total: Concentration monitoring added

Nitrogen, Ammonia (NH3-N) Total: Concentration monitoring added.

Nitrogen, Organic Total: Concentration calculation added.

Nitrogen, Total: Concentration calculation added.

1.1.2 Explanation of Limits and Monitoring Requirements

All requirements for land treatment of industrial wastewater are determined in accordance with ch. NR 214, Wis. Adm. Code. All categorical limits are based on ch. NR 214 Subchapter II (14)-Sprayfield Wis. Adm. Code.

Chloride: The concentration of any wastewater parameter that may impact groundwater quality shall be limited at the point of discharge to a value that will minimize the concentration of the substance in the groundwater to the extent technically and economically feasible and will prevent exceedance of the preventive action limit (PAL) in the groundwater. This is especially important for parameters, such as dissolved chloride, that do not receive significant treatment in the system (s. NR 214.14(4)(b), Wis. Adm. Code).

Nitrogen- Nutrients, such as nitrogen, are essential for plant and animal growth and nourishment, but overabundance in groundwater can cause several adverse health and ecological effects. Nitrogen can be found in many varied forms in the soil due to the nitrogen cycle.

Total Kjeldahl Nitrogen (TKN): Sampling is required to determine the organic components of the total nitrogen discharged per s. NR 214.14(3)(c), Wis. Adm. Code.

Nitrite + Nitrate: Sampling is required by s. NR 214.14(3)(c), Wis. Adm. Code. This is because Nitrite+Nitrate sampling is required to determine the remaining component of the total nitrogen discharged to spray irrigation. Total Nitrogen can be determined for compliance with total nitrogen loading limits by adding the sample results of TKN and Nitrite+Nitrate.

Total Nitrogen: Per s. NR 214.14(3)(c), Wis. Adm. Code, the total nitrogen applied to the land treatment system shall be determined. Total nitrogen = total Kjeldahl nitrogen (mg/L) + (Nitrite+Nitrate) nitrogen (mg/L).

Total Ammonia: Sampling is required to determine organic nitrogen discharged per s. NR 214.14(3)(c), Wis. Adm. Code.

Total Organic: Per s. NR 214.14(3)(c), Wis. Adm. Code, the organic nitrogen becoming available to plants shall be determined.

2 Land Treatment – Monitoring and Limitations

2.1 Sample Point Number: 002- Schultz Field; 006- Sina Field, and 007- Williams Field

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Flow Rate		MGD	Daily	Total Daily	
Hydraulic Application Rate	Monthly Avg	0 gal/ac/day	Monthly	Calculated	Effective December through March
Hydraulic Application Rate	Monthly Avg	2,800 gal/ac/day	Monthly	Calculated	Effective April and November
Hydraulic Application Rate	Monthly Avg	5,630 gal/ac/day	Monthly	Calculated	Effective May through October
Nitrogen, Max Applied On Any Zone	Annual Total	390 lbs/ac/yr	Annual	Calculated	

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Chloride, Max Applied On Any Zone		lbs/ac/yr	Annual	Calculated	
Soil - Nitrogen, Available		mg/kg	Annual	Grab	
Soil - Phosphorus, Available		mg/kg	Annual	Grab	
Soil - Potassium, Available		mg/kg	Annual	Grab	
Soil - pH Lab		su	Annual	Grab	
Other Sources of Nitrogen		lbs/ac/yr	Annual	Measure	

2.1.1 Changes from Previous Permit:

Effluent limitations and monitoring requirements were evaluated for this permit term and the following changes were made from the previous permit. See additional explanation of limits under "Explanation of Limits and Monitoring Requirements" below.

Flow rate: The note that stated "Flow measured by a meter on individual traveling gun" was taken out because this is part of the outfall description already and it is unnecessary to state that in the monitoring table.

Nitrogen, Max Applied On Any Zone: Sample type was corrected from "total annual" to "calculated" to be more accurate in the description of "type." Limit changed from 350 lbs/ac/yr to 390 lbs/ac/yr to accommodate for additional nitrogen considerations being added to the calculation for total nitrogen loadings of the year. Previously, only TKN was monitored, but now that other forms of nitrogen are being monitored, they must be accounted for in the total nitrogen loading reporting of the year. Hydrogeologist Woody Myers deemed the change appropriate.

Chloride Max Applied on Any Zone: Monitoring of annual lbs/ac/yr of chloride added.

Soil - Nitrogen, Available: Annual monitoring added.

Soil - Phosphorus, Available: Annual monitoring added.

Soil - Potassium, Available: Annual monitoring added.

Soil - pH Lab: Annual monitoring added.

Other Sources of Nitrogen: Annual monitoring added.

Narrative Requirements:

- "Nitrogen Loading Limitations," "Nitrogen Loading Contingent on Groundwater Results," and "Nitrogen Loading Limitations and Conditions Reopener Clause" subsections deleted because language no longer applies. This change is an effort to phase out conditional language pertaining to Nitrogen as standard practice. Any nitrogen load greater than the baseline threshold of 300 lbs/ac/yr for spray irrigation likely exceeds crop nutrient uptake + demonstrable nitrogen losses and needs an exemption under s. NR 214.06, Wis. Adm. Code, to be permitted. See the "Establishing Nitrogen Limitations in WPDES Permits at Industrial Land Treatment Facilities" 2023 guidance for more information.

- "Monthly Average Hydraulic Application Rate" added to provide clarity on how to calculate the hydraulic application rate.
- "Year to Date Chloride Loading" and "Annual Total Chloride per Cell or per Zone" added to this subsection to provide clarity on how to calculate the mass applied to each zone.
- "Spray Irrigation Site(s) - Soil Analysis," "Year to Date Nitrogen Loading," and "Annual Total Nitrogen per Cell or per Zone" language updated for clarity.

2.1.2 Explanation of Limits and Monitoring Requirements

All requirements for land treatment of industrial wastewater are determined in accordance with ch. NR 214, Wis. Adm. Code. All categorical limits are based on ch. NR 214 Subchapter II (14)-Sprayfield Wis. Adm. Code. More information on the limitations can be found in the fact sheet attachment Appendix B – Groundwater Evaluation.

Flow Rate: Flow is required by s. NR 214.14(4)(a), Wis. Adm. Code.

Hydraulic Application Rate: The hydraulic application rate is set based on hydrogeologic conditions, soil texture, permeability, cation exchange capacity, topography, cover crop and wastewater characteristics. The average hydraulic application rate may not exceed 10,000 gallons per acre per day per s. NR 214.14(3)(d), Wis. Adm. Code. Hydraulic application = (# gallons applied per month / # acres applied) / # days per month.

Nitrogen Max Applied on Any Zone: The annual nitrogen application rate shall be limited to the nitrogen needs of the cover crop plus demonstrable denitrification occurring in the treatment system. To assist the permittee in correct calculations, refer to the "Maximum applied Nitrogen/Chloride on any zone."

Chloride Max Applied on Any Zone: Similar to Nitrogen Max Applied on Any Zone, reporting the annual maximum chloride with the units lbs/ac/yr will be included in the permit to better evaluate this parameter. To assist the permittee in correct calculations, use the "Maximum applied Nitrogen/Chloride on any zone."

Soil testing(available nitrogen, available phosphorus, available potassium and pH) **and other sources of nitrogen** (i.e., fertilizer or manure)**:** Annual soil monitoring of the sprayfield(s) is required by NR 214.14(5)(c), Wis. Adm. Code and was previously submitted through the Annual Report. These parameters have been moved to the monitoring table. This eliminates the additional report allowing all data to be entered into eDMRs. Only one set of samples is required, but if the facility completes multiple soil tests or the department asks for additional samples for the fields/zones used under the outfall sample point there is a feature within the eDMRs that allows additional data to be recorded. It is asked that the additional sample points' field/zone(s) are identified in the form's general comments section.

Narrative Requirements:

- "Year to Date Hydraulic Loading," "Year to Date Nitrogen Loading," "Annual Total Nitrogen per Cell or per Zone," "Year to Date Chloride Loading," and "Annual Total Chloride per Cell or per Zone": The permittee prefers to track its cumulative nitrogen and chloride loadings by month and report the annual cumulative nitrogen and chloride loading values on its eDMR. The permit clarifies that the permittee is using this approach and not the standard approach specified in the standard conditions section of the permit. Monitoring cumulative nitrogen and chloride loadings by month allows the facility to track its proximity to the limit as the spray season progresses. This method is also more precise, meaning it is a more conservative approach than that in the standard conditions.

3 Groundwater – Monitoring and Limitations

3.1 Groundwater Monitoring System for Schultz irrigation field

Location of Monitoring system: Perimeter wells for Schultz field

Groundwater Monitoring Well(s) to be Sampled: MW-1, MW-2A, MW-3, MW-4, MW-5, MW-13

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

Groundwater Monitoring Well(s) Used for Point of Standards Application: MW-1, MW-3, MW-13

Parameter	Units	Preventative Action Limit	Enforcement Standard	Frequency
Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	N/A	N/A	Quarterly
Chloride Dissolved	mg/L	125	250	Quarterly
Nitrogen, Ammonia Dissolved	mg/L	0.97	9.7	Quarterly
Nitrogen, Organic Dissolved	mg/L	2.3	N/A	Quarterly
Solids, Total Dissolved	mg/L	630	N/A	Quarterly
pH Field	su	6.0	N/A	Quarterly
Depth To Groundwater	feet	N/A	N/A	Quarterly
Groundwater Elevation	feet MSL	N/A	N/A	Quarterly

3.1.1 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. See additional explanation of limits under "Explanation of Limits and Monitoring Requirements" below and fact sheet attachment Appendix A: Groundwater Evaluation for more information.

Nitrogen, Nitrite + Nitrate (as N) Dissolved: Preventive action limit changed from 20 mg/L to N/A.

Nitrogen, Ammonia Dissolved: Preventive action limit changed from 1.0 mg/L to 0.97 mg/L.

Nitrogen, Organic Dissolved: Preventive action limit changed from 2.4 mg/L to 2.3 mg/L.

Solids, Total Dissolved: Preventive action limit changed from 650 mg/L to 630 mg/L.

pH Field: Preventive action limit changed from 6.2-8.2 su to 6.0-8.0 su.

Narrative Requirements:

- "Alternative Concentration Limit" deleted and replaced with "Exemptions."

- "pH Preventive Action Limits" requirement name has changed to "Preventive Action Limits for pH" and limits have been updated.

3.1.2 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.

For more information, please refer to fact sheet attachment Appendix A: Groundwater Evaluation for more information.

3.2 Groundwater Monitoring System for Sina irrigation field

Location of Monitoring system: Perimeter wells for Sina field

Groundwater Monitoring Well(s) to be Sampled: MW-5, MW-6, MW-7, MW-12

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

Groundwater Monitoring Well(s) Used for Point of Standards Application: MW-6, MW-12

Parameter	Units	Preventative Action Limit	Enforcement Standard	Frequency
Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	N/A	N/A	Quarterly
Chloride Dissolved	mg/L	125	250	Quarterly
Nitrogen, Ammonia Dissolved	mg/L	0.97	9.7	Quarterly
Nitrogen, Organic Dissolved	mg/L	2.3	N/A	Quarterly
Solids, Total Dissolved	mg/L	630	N/A	Quarterly
pH Field	su	6.0	N/A	Quarterly
Depth To Groundwater	feet	N/A	N/A	Quarterly
Groundwater Elevation	feet MSL	N/A	N/A	Quarterly

3.2.1 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. See additional explanation of limits under "Explanation of Limits and Monitoring Requirements" below and fact sheet attachment Appendix A: Groundwater Evaluation for more information.

Nitrogen, Nitrite + Nitrate (as N) Dissolved: Preventive action limit changed from 20 mg/L to N/A.

Nitrogen, Ammonia Dissolved: Preventive action limit changed from 1.0 mg/L to 0.97 mg/L.

Nitrogen, Organic Dissolved: Preventive action limit changed from 2.4 mg/L to 2.3 mg/L.

Solids, Total Dissolved: Preventive action limit changed from 650 mg/L to 630 mg/L.

pH Field: Preventive action limit changed from 6.2-8.2 su to 6.0-8.0 su.

Narrative Requirements:

- "Alternative Concentration Limit" deleted and replaced with "Exemptions."

- "pH Preventive Action Limits" requirement name has changed to "Preventive Action Limits for pH" and limits have been updated.

3.2.2 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.

For more information, please refer to fact sheet attachment Appendix A: Groundwater Evaluation for more information.

3.3 Groundwater Monitoring System for Williams irrigation field

Location of Monitoring system: Perimeter wells for Williams field

Groundwater Monitoring Well(s) to be Sampled: MW-8, MW-10, MW-11

Groundwater Monitoring Well(s) Used to Evaluate Background Groundwater Quality: MW-8

Groundwater Monitoring Well(s) Used for Point of Standards Application: MW-10, MW-11

Parameter	Units	Preventative Action Limit	Enforcement Standard	Frequency
Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	N/A	N/A	Quarterly
Chloride Dissolved	mg/L	125	250	Quarterly
Nitrogen, Ammonia Dissolved	mg/L	0.97	9.7	Quarterly
Nitrogen, Organic Dissolved	mg/L	2.3	N/A	Quarterly
Solids, Total Dissolved	mg/L	610	N/A	Quarterly
pH Field	su	5.9	N/A	Quarterly
Depth To Groundwater	feet	N/A	N/A	Quarterly
Groundwater Elevation	feet MSL	N/A	N/A	Quarterly

3.3.1 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. See additional explanation of limits under "Explanation of Limits and Monitoring Requirements" below and fact sheet attachment Appendix A: Groundwater Evaluation for more information.

Nitrogen, Nitrite + Nitrate (as N) Dissolved: Preventive action limit changed from 13 mg/L to N/A.

Nitrogen, Ammonia Dissolved: Preventive action limit changed from 1.0 mg/L to 0.97 mg/L.

Solids, Total Dissolved: Preventive action limit changed from 630 mg/L to 610 mg/L.

pH Field: Preventive action limit changed from 6.2-8.2 su to 5.9-7.9 su.

Narrative Requirements:

- "Alternative Concentration Limit" deleted and replaced with "Exemptions."

- "pH Preventive Action Limits" requirement name has changed to "Preventive Action Limits for pH" and limits have been updated.

3.3.2 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.

For more information, please refer to fact sheet attachment Appendix A: Groundwater Evaluation for more information.

4 Land Application - Sludge/By-Product Solids (industrial only)

4.1 Sample Point Number: 003- WASTEWATER LANDSPREADING

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Flow Rate		gpd	Daily	Total Daily	
Solids, Total		Percent	Monthly	Grab	
Nitrogen, Total Kjeldahl		mg/L	Monthly	Grab	
Chloride		mg/L	Monthly	Grab	
Phosphorus, Total		mg/L	Annual	Grab	
Phosphorus, Water Extractable		% of Tot P	Annual	Grab	
Potassium, Total Recoverable		mg/L	Annual	Grab	

4.1.1 Changes from Previous Permit:

Wastewater limitations and monitoring requirements were evaluated for this permit term and the following changes were made from the previous permit. See additional explanation of limits under "Explanation of Limits and Monitoring Requirements" below.

Flow rate: Units for flow rate changed from MGD to gpd since millions of gallons from this outfall are unlikely.

Solids Total: Monthly percent monitoring added.

Phosphorus, Total: Annual mg/L monitoring added.

Phosphorus, Water Extractable: Annual % of total phosphorus monitoring added.

Potassium, Total Recoverable: Annual mg/L monitoring added.

Narrative requirements:

- "Annual Site Nitrogen Loading" and "Biennial Site Chloride Loading" added to this subsection to highlight the relevant requirements that are listed within the Standard Requirements section of the permit.

4.1.2 Explanation of Limits and Monitoring Requirements

Requirements for land application of industrial sludge are determined in accordance with ch. NR 214 Wis. Adm. Code.

Solids Total: Solids total is necessary to characterize the waste stream.

Phosphorus, Total: Monitoring for phosphorus will allow the permittee to track the nutrient needs of the crops to be grown at land application sites minus any available nutrients in the soil or applied as fertilizer in accordance with s. NR 214.18(4)(d), Wis. Adm. Code.

Phosphorus, Water Extractable: Water extractable phosphorus (WEP) is the coefficient for determining plant available phosphorus from measured total phosphorus. In Wisconsin, the Penn State Method is utilized and is expressed in percent. While total phosphorus may be significant, the WEP may show that only a small percentage of the phosphorus is available to plants because of factors such as treatment processes and chemical addition that "tie-up" phosphorus, limiting the amount of phosphorus that is plant available. As part of the Wisconsin's nutrient management plan (NMP) requirements, the accounting of all fertilizers must be included over the NMP cycle. The fertilizer value of the waste needs to be communicated to the farmer and accounted for in the NMP.

Potassium, Total Recoverable: Potassium monitoring will allow permittee to track the nutrient needs of the crops.

4.2 Sample Point Number: 017- Vegetable By-Product Solids and 018- Slurry Vegetable By-Product

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Solids, Total		Percent	Monthly	Grab	
Nitrogen, Total Kjeldahl		Percent	Monthly	Grab	
Chloride		Percent	Monthly	Grab	
pH Lab		su	Annual	Grab	
Nitrogen, Ammonia (NH3-N) Total		Percent	Annual	Grab	
Phosphorus, Total		Percent	Annual	Grab	
Phosphorus, Water Extractable		% of Tot P	Annual	Grab	
Potassium, Total Recoverable		Percent	Annual	Grab	

4.2.1 Changes from Previous Permit:

By-product limitations and monitoring requirements were evaluated for this permit term and the following changes were made from the previous permit. See additional explanation of limits under "Explanation of Limits and Monitoring Requirements" below.

Narrative requirements:

- "Annual Site Nitrogen Loading" and "Biennial Site Chloride Loading" added to this subsection to highlight the relevant requirements that are listed within the Standard Requirements section of the permit.

4.2.2 Explanation of Limits and Monitoring Requirements

Requirements for land application of industrial sludge are determined in accordance with ch. NR 214 Wis. Adm. Code.

Solids, Total: The permit requires all by-product parameters, with exception of pH, to be reported as percent (to determine total dry weight). To do so, the solids content must be obtained.

Nitrogen: The maximum application rate of nitrogen shall be limited to the nitrogen needs of the crop or cover vegetation minus any other nitrogen, including fertilizer or manure, added to the landspreading site as specified in s. NR 214.17(4)(d)9., Wis. Adm. Code. Therefore, the Department requires monitoring for TKN and ammonia-nitrogen to track nitrogen loading. Monitoring TKN and ammonia-nitrogen will satisfy this requirement as the liquid wastes are expected to contain high amounts of organic nitrogen and ammonia-nitrogen.

Chloride: The wastes associated with these outfalls contain chloride in their process wastewater. Therefore, permittee is required to sample for chloride at this outfall in accordance with s. NR 214.17(4)(d)7., Wis. Adm. Code. The landspreading of chloride is limited to 340 pounds per acre per two-year period.

Phosphorus, pH, and Potassium: The Department requires monitoring for total phosphorus, pH, and total recoverable potassium. Monitoring for phosphorus and potassium will allow permittee to track the nutrient needs of the crops to be grown minus available nutrients in the soil or applied as fertilizer at landspreading sites. The Department requires pH monitoring to prevent the leaching of metals out of the soil mixture. The pH of liquid wastes and soil mixture shall be 6.5 or higher at the time that the liquid wastes are spread.

Phosphorus, Water Extractable: Water extractable phosphorus (WEP) is the coefficient for determining plant available phosphorus from measured total phosphorus. In Wisconsin, the Penn State Method is utilized and is expressed in percent. While total phosphorus may be significant, the WEP may show that only a small percentage of the phosphorus is available to plants because of factors such as treatment processes and chemical addition that "tie-up" phosphorus, limiting the amount of phosphorus that is plant available. As part of the Wisconsin's nutrient management plan (NMP) requirements, the accounting of all fertilizers must be included over the NMP cycle. The fertilizer value of the waste needs to be communicated to the farmer and accounted for in the NMP.

5 Schedules

5.1 Land Treatment and Land Application Management Plan

A management plan is required for the land treatment system.

Required Action	Due Date
Land Treatment and Land Application Management Plan: Submit an update to the management plans to optimize the land treatment and land application system performance and demonstrate compliance with Wisconsin Administrative Code NR 214.	04/01/2026

5.1.1 Explanation of Schedule

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

Other Comments

No other comments.

Attachments

Appendix A: Groundwater Evaluation [November 15, 2024]

Justification Of Any Waivers From Permit Application Requirements

No waivers requested or granted as part of this permit reissuance.

Prepared By: Laura Rodriguez Alvarez Wastewater Engineer Date: August 22, 2025

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: November 15, 2024

TO: File

FROM: Woody Myers - WCR

SUBJECT: Groundwater Evaluation Report for Seneca Foods Corporation Ripon WI-0001163

Site Information

The Seneca Foods Corporation, Ripon facility is located at 477 S Douglas Street, Ripon, Fond du Lac County. This is an industrial facility that processes and cans vegetables. Wastewater is currently screened and discharged to groundwater via one of three spray irrigation fields. The Schultz Field is located in the S ½ of the SE ¼ of Section 27, T16N, R14E, Town of Ripon. The Sina Field is located in the E ½ of the NW ¼ of Section 34, T16N, R14E, Town of Ripon. The Williams Field is located in the W ½ of the SE ¼ of Section 26, T16N, R14E, Town of Ripon.

Land Treatment Effluent & Groundwater Evaluation Summary

Table 1 Land Treatment Outfall Sampling Point Parameters and Limits
In-plant 102 Process WW Prior to Irrigation

Parameter	Current Permit WI-000163-10		Proposed Permit WI-000163-11	
	Limits and Units	Limit Type	Limits and Units	Limit Type
chloride	- mg/l		- mg/l	
Nitrogen, Kjeldahl	- mg/l		- mg/l	
***Nitrogen, Nitrate + Nitrite**	Not required		- mg/l	
***Nitrogen, Ammonia**	Not required		- mg/l	
***Nitrogen, Organic**	Not required		- mg/l	
***Nitrogen, Total**	Not required		- mg/l	

* Proposed permit changes

Table 2 Land Treatment Outfall Sampling Point Parameters and Limits
Outfall 002 Schultz Field, Outfall 006 Sina Field and Outfall 007 Williams Field Spray Irrigation

Parameter	Current Permit WI-000163-10		Proposed Permit WI-000163-11	
	Limits and Units	Limit Type	Limits and Units	Limit Type
Flow Rate	- MGD		- MGD	
Hydraulic Application Rate (Dec-Mar)	0 gal/ac/day	Monthly Avg	0 gal/ac/day	Monthly Avg
Hydraulic Application Rate (Apr and Nov)	2,800 gal/ac/day	Monthly Avg	2,800 gal/ac/day	Monthly Avg
Hydraulic Application Rate (May-Oct)	5,630 gal/ac/day	Monthly Avg	5,630 gal/ac/day	Monthly Avg
Nitrogen, Max Applied to Any Zone	350 lbs/ac/yr	Annual Total	350 lbs/ac/yr	Annual Total

No recommended changes from previous permit

Table 3 Monitoring Wells
Schulz Field

Well	Current Permit WI-000163-10		Proposed Permit WI-000163-11	
	Well Location	Well Designation	Well Location	Well Designation
805 MW-1	Down-gradient	Point of standard	Down-gradient	Point of standard
811 MW-2A	Up-gradient	Non-point of standard	Up-gradient	Non-point of standard
806 MW-3	Down-gradient	Point of standard	Down-gradient	Point of standard
804 MW-4	Up-gradient	Non-point of standard	Up-gradient	Non-point of standard
808 MW-5	Up-gradient	Background	Up-gradient	Background
817 MW-13	Down-gradient	Point of standard	Down-gradient	Point of standard

No recommended changes from previous permit

Table 4 Monitoring Wells
Sina Field

Well	Current Permit WI-000163-10		Proposed Permit WI-000163-11	
	Well Location	Well Designation	Well Location	Well Designation
808 MW-5	Up-gradient	Background	Up-gradient	Background
809 MW-6	Down-gradient	Point of standard	Down-gradient	Point of standard
810 MW-7	Up-gradient	Non-point of standard	Up-gradient	Non-point of standard
816 MW-12	Down-gradient	Point of standard	Down-gradient	Point of standard

No recommended changes from previous permit

Table 5 Monitoring Wells
Williams Field

Well	Current Permit WI-000163-10		Proposed Permit WI-000163-11	
	Well Location	Well Designation	Well Location	Well Designation
812 MW-8	Up-gradient	Background	Up-gradient	Background
814 MW-10	Down-gradient	Point of standard	Down-gradient	Point of standard
815 MW-11	Down-gradient	Point of standard	Down-gradient	Point of standard

No recommended changes from previous permit

Table 6 Groundwater Quality Standards
Outfall 002 Schultz Field

Parameter	Current Permit WI-000163-10		Proposed WI-000163-11	
	PAL	ES	PAL	ES
Nitrogen, Nitrite + Nitrate	20.0 mg/l (ACL)	20.0 mg/l (ACL)	***Exempt**	
Chloride	125 mg/l	250 mg/l	125 mg/l	250 mg/l
Nitrogen, Ammonia	1.0 mg/l (ACL)	9.7 mg/l	***0.97** mg/l	9.7 mg/l
Nitrogen, Organic	2.4 mg/l	N/A	***2.3** mg/l	N/A
Total Dissolved Solids	650 mg/l	N/A	***630** mg/l	N/A
pH, Field	6.2-8.2 su	N/A	***6.0-8.0** su	N/A
Depth to Groundwater	N/A	N/A	N/A	N/A
Groundwater Elevation	N/A	N/A	N/A	N/A

* Proposed permit changes

Table 7 Groundwater Quality Standards
Outfall 006 Sina Field

Parameter	Current Permit WI-000163-10		Proposed WI-000163-11	
	PAL	ES	PAL	ES
Nitrogen, Nitrite + Nitrate	20.0 mg/l (ACL)	20.0 mg/l (ACL)	***Exempt**	
Chloride	125 mg/l	250 mg/l	125 mg/l	250 mg/l
Nitrogen, Ammonia	1.0 mg/l (ACL)	9.7 mg/l	***0.97** mg/l	9.7 mg/l
Nitrogen, Organic	2.4 mg/l	N/A	***2.3** mg/l	N/A
Total Dissolved Solids	650 mg/l	N/A	***630** mg/l	N/A
pH, Field	6.2-8.2 su	N/A	***6.0-8.0** su	N/A
Depth to Groundwater	N/A	N/A	N/A	N/A
Groundwater Elevation	N/A	N/A	N/A	N/A

* Proposed permit changes

Table 8 Groundwater Quality Standards
Outfall 007 Williams Field

Parameter	Current Permit WI-000163-10		Proposed WI-000163-11	
	PAL	ES	PAL	ES
Nitrogen, Nitrite + Nitrate	13.0 mg/l (ACL)	13.0 mg/l (ACL)	***Exempt**	
Chloride	125 mg/l	250 mg/l	125 mg/l	250 mg/l
Nitrogen, Ammonia	1.0 mg/l (ACL)	9.7 mg/l	***0.97** mg/l	9.7 mg/l
Nitrogen, Organic	2.3 mg/l	N/A	2.3 mg/l	N/A
Total Dissolved Solids	630 mg/l	N/A	***610** mg/l	N/A
pH, Field	6.2-8.2 su	N/A	***5.9-7.9** su	N/A
Depth to Groundwater	N/A	N/A	N/A	N/A
Groundwater Elevation	N/A	N/A	N/A	N/A

* Proposed permit changes

Geology

This facility is on the interface of the Sinnipee and Ancell groups. The Sinnipee group includes the Galena, Decorah and Platteville formations. The Sinnipee is comprised of dolomite apart from the Decorah Formation which is comprised of shale. The Ancell group includes the Glenwood and St. Peter formations. The Glenwood Formation is comprised of shale and the St. Peter is comprised of an orthoquartzitic sandstone with minor occurrences of conglomerate (*Bedrock Geologic Map of Wisconsin*, Wisconsin Geological and Natural History Survey (WGNHS), 1982). Bedrock was not encountered during installation of the groundwater monitoring wells but is anticipated to be deeper than 200 feet below ground surface (bgs)(*Depth to Bedrock in Wisconsin,* WGNHS, 1973). The regolith consists of material ranging silty sand to gravely sand. Most of the surface soil consists of the Plano silt loam (USDA NRCS Web Soil Survey).

Hydrogeology

Calculated groundwater elevation ranges between 930 and 950 feet above mean sea level (msl). Depth to groundwater was reported to be between 15 and 30 feet bgs. Groundwater flow direction was calculated to be predominantly to the east northeast for all three spray fields. Regional groundwater is to the northeast in this area of Fond du Lac County (*Mean Elevation of Water Table*, Map, United States Department of Interior, 1968). The eastern boundary of Williams Field is directly adjacent to Silver Creek. A portion of Silver Creek is designated as a Class II trout stream, approximately 2,400 feet east southeast of this field. There are twelve 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

There are three active outfalls at this facility associated with the groundwater monitoring systems. The following table is the average flow (hydraulic loading) and total nitrogen (maximum mass) summations for the land treatment system.

Table 9 Land Treatment Loading Averages
Outfall 002 Schultz Field

Year	Flow (MGD)	Nitrogen (mg/l)
2024[#]	0.076	Not yet reported
2023	0.113	88.4
2022	0.138	126
2021	0.153	170
2020	0.222	224
2019	0.112	211

[#] Indicates partial year

Table 10 Land Treatment Loading Averages
Outfall 006 Sina Field

Year	Flow (MGD)	Nitrogen (mg/l)
2024#	0.072	Not yet reported
2023	0.096	129.5
2022	0.144	140
2021	0.170	249
2020	0.177	342
2019	0.107	297

# Indicates partial year

Table 11 Land Treatment Loading Averages
Outfall 007 Williams Field

Year	Flow (MGD)	Nitrogen (mg/l)
2024#	0.083	Not yet reported
2023	0.098	64.2
2022	0.155	81
2021	0.162	112
2020	0.185	170
2019	0.137	190

# Indicates partial year

Groundwater Monitoring System and Sampling Frequency

Groundwater samples were collected quarterly from all 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 12 Groundwater Monitoring Well Data

Sample Point	Well Name	Elevation (feet above msl)				Length (feet)		Well Type	Assigned Outfall
		Casing Top	Ground Surface	Screen Top	Screen Bottom	Screen Length	Well Depth		
805	MW-1	962.56	959.99		936.1				002
811	MW-2A	964.21	961.59		939.1				002
806	MW-3	967.48	965.29		934.0				002
804	MW-4	966.82	963.79		937.0				002
808	MW-5	979.93	977.22		939.1				002, 006
809	MW-6	965.09	962.44		941.9				006
810	MW-7	972.21	969.60		938.1				006
812	MW-8	962.63	960.60						007
814	MW-10	938.20	936.20						007
815	MW-11	937.92	936.10						007
816	MW-12	966.29	963.60	923.4	913.4	10.0		WT	006
817	MW-13	965.23	963.00	947.6	932.6	15.0		WT	007

All measurements in feet WT-Water table Observation P-Piezometer O-Other

Effluent Quality 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 July 1, 2018 – September 30, 2022.

Background Groundwater Quality

The background groundwater quality sample results (wells 808 and 812) only indicate elevated levels of nitrite + nitrate. The results consistently exceed the PAL and frequently exceed the ES. The levels do not display a consistent (increasing nor decreasing) trend, overall, the trend is stable.

Down-gradient Groundwater Quality

The two compounds with regular exceedances are nitrite + nitrate and ammonia. The nitrite + nitrate levels in the down-gradient wells are consistent with a stable trend. The magnitude of the results is not significantly greater than the background groundwater quality results.

Elevated ammonia results are seen only in well 809 (Sina field). The results consistently exceed the PAL and do not exceed the ES. The trend is erratic, the results fluctuate between the PAL to just below the ES.

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 are no correlations between the effluent loading levels and the groundwater monitoring results.

Proposed Groundwater Monitoring Requirements for Permit WI-0001163-11

Table 13 Groundwater Quality Sampling Frequency and Limits
Outfall 002 (Schultz Field)

Sample Point	Well Name	Sample Frequency	Well Designation
805	MW-1	Quarterly	Point of Standard
811	MW-2A	Quarterly	Non-Point of Standard
806	MW-3	Quarterly	Point of Standard
804	MW-4	Quarterly	Non-Point of Standard
808	MW-5	Quarterly	Background
817	MW-13	Quarterly	Point of Standard
Parameter	PAL	ES	Source
Depth to Groundwater	N/A	N/A	Measured
Groundwater Elevation	N/A	N/A	Measured
Nitrogen, Nitrite + Nitrate	***Exempt**	***Exempt**	NR 140.28
Chloride	125 mg/l	250 mg/l	NR 140 Table 2
Nitrogen, Ammonia	***0.97** mg/l	9.7 mg/l	NR 140 Table 1
Nitrogen, Organic	***2.3** mg/l	N/A	Calculated
pH, Field	***6.2-8.2** su	N/A	Calculated
Total Dissolved Solids	***630** mg/l	N/A	Calculated

* Proposed permit changes

Table 14 Groundwater Quality Sampling Frequency and Limits
Outfall 006 (Sina Field)

Sample Point	Well Name	Sample Frequency	Well Designation
808	MW-5	Quarterly	Background
809	MW-6	Quarterly	Point of Standard
810	MW-7	Quarterly	Non-Point of Standard
816	MW-12	Quarterly	Point of Standard
Parameter	PAL	ES	Source
Depth to Groundwater	N/A	N/A	Measured
Groundwater Elevation	N/A	N/A	Measured
Nitrogen, Nitrite + Nitrate	***Exempt**	***Exempt**	NR 140.28
Chloride	125 mg/l	250 mg/l	NR 140 Table 2
Nitrogen, Ammonia	***0.97** mg/l	9.7 mg/l	NR 140 Table 1
Nitrogen, Organic	***2.3** mg/l	N/A	Calculated
pH, Field	***6.0-8.0** su	N/A	Calculated
Total Dissolved Solids	***630** mg/l	N/A	Calculated

* Proposed permit changes

Table 15 Groundwater Quality Sampling Frequency and Limits
Outfall 007 (Williams Field)

Sample Point	Well Name	Sample Frequency	Well Designation
812	MW-8	Quarterly	Background
814	MW-10	Quarterly	Point of Standard
815	MW-11	Quarterly	Point of Standard
Parameter	PAL	ES	Source
Depth to Groundwater	N/A	N/A	Measured
Groundwater Elevation	N/A	N/A	Measured
Nitrogen, Nitrite + Nitrate	***Exempt**	***Exempt**	NR 140.28
Chloride	125 mg/l	250 mg/l	NR 140 Table 2
Nitrogen, Ammonia	***0.97** mg/l	9.7 mg/l	NR 140 Table 1
Nitrogen, Organic	2.3 mg/l	N/A	Calculated
pH, Field	***5.9-7.9** su	N/A	Calculated
Total Dissolved Solids	***610** 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's 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:

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

Total nitrogen, nitrite + nitrate, ammonia and organic nitrogen have been added to the list of sampling point (effluent) Outfall 102. Per s. NR 214.14 (3) (c), Wis. Adm. Code, a facility has to limit and report nitrogen mass (lbs/ac/yr) based on total nitrogen. The results should be reported and the mass loading for the fields should be calculated using total nitrogen and not total Kjeldahl nitrogen.

The ammonia results in groundwater monitoring well 809, a non-point of standards application well, has had consistent exceedances of the ammonia PAL. Given the loading levels for ammonia at the Sina field are less than the results of the groundwater sampling results and the elevated ammonia results are not observed in either the up-gradient nor down-gradient wells there will be no s. NR 140.24, Wis. Adm. Code, response action required.

An exemption has been granted for the nitrite + nitrate PAL and ES due to inconsistent trends with excessive concentration in the background wells. Groundwater samples should be analyzed for nitrite + nitrate but there is no associated groundwater quality limit for that parameter. The exemption is subject to the following conditions:

1. Applies only to the Williams, Schultz, and Sina spray irrigation fields;
2. Applies only during the upcoming permit term, the WI-0001163- 11 issuance of the permit;
    a. The exemption should be reviewed during each permit reissuance.
3. Applies only if pollutant levels in the effluent remain relatively stable and there are no significant increases during the permit term.

The department may rescind and/or reevaluate the exemption if any of the conditions listed above are not followed or if there are other significant concerns with the exemption at any point.

An ACL for ammonia was calculated using recent background groundwater quality data. The result of this calculation was an ACL value that was less than the s. NR 140.10, Wis. Adm. Code, PAL for ammonia because of reduced ammonia concentrations in the background wells. Therefore, the PAL of 0.97 mg/l will be used for ammonia in the -11 issuance of the permit.
The indicator parameters of organic nitrogen and TDS as well as the pH range for the Schultz and Sina fields have changed based on background groundwater quality data. The PAL for organic nitrogen has been decreased from 2.4 to 2.3 mg/l. The PAL for TDS has been decreased from 650 to 630 mg/l and the pH range has been decreased from 6.2-8.2 to 6.0-8.0 su.

The indicator parameters of TDS and the pH range for the Williams field have been reduced based on background groundwater quality data. TDS was reduced from 630 to 610 mg/l and the pH range from 6.2-8.2 to 5.9-7.9 su.

Compliance Schedule Recommendations

Per s. NR 214.14 (5)(d), Wis. Adm. Code, a land treatment management plan is required for facilities with land disposal systems. The facility should review their plan within the first two year of permit reissuance per the management plan permit schedule 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.

Appednix A

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

well		param	unit	sample_date	res	result
804	MW-4	Chloride Dissolved	mg/L	05/13/2019		37
804	MW-4	Chloride Dissolved	mg/L	08/23/2019		38
804	MW-4	Chloride Dissolved	mg/L	11/14/2019		43
804	MW-4	Chloride Dissolved	mg/L	05/27/2020		35
804	MW-4	Chloride Dissolved	mg/L	08/19/2020		35
804	MW-4	Chloride Dissolved	mg/L	11/30/2020		42
804	MW-4	Chloride Dissolved	mg/L	02/25/2021		47
804	MW-4	Chloride Dissolved	mg/L	05/12/2021		34
804	MW-4	Chloride Dissolved	mg/L	08/18/2021		33
804	MW-4	Chloride Dissolved	mg/L	11/19/2021		40
804	MW-4	Chloride Dissolved	mg/L	02/15/2022		36
804	MW-4	Chloride Dissolved	mg/L	05/10/2022		37
804	MW-4	Chloride Dissolved	mg/L	08/30/2022		37
804	MW-4	Chloride Dissolved	mg/L	11/30/2022		117
804	MW-4	Chloride Dissolved	mg/L	02/21/2023		49
804	MW-4	Chloride Dissolved	mg/L	05/30/2023		36
804	MW-4	Chloride Dissolved	mg/L	08/25/2023		33
804	MW-4	Chloride Dissolved	mg/L	11/08/2023		72
804	MW-4	Chloride Dissolved	mg/L	02/14/2024		82
804	MW-4	Chloride Dissolved	mg/L	05/23/2024		47
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	05/13/2019	<	0.14
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	08/23/2019	<	0.15
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	11/14/2019	<	0.15
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	05/27/2020	<	0.15
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	08/19/2020	<	0.15
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	11/30/2020	<	0.15
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	02/25/2021	<	0.15
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	05/12/2021	<	0.15
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	08/18/2021	<	0.15
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	11/19/2021	<	0.1
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	02/15/2022	<	0.1
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	05/10/2022	<	0.1
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	08/30/2022	<	0.1
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	11/30/2022	<	0.11
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	02/21/2023		0.15
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	05/30/2023	<	0.11
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	08/25/2023	<	0.11
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	11/08/2023	<	0.11
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	02/14/2024	<	0.11
804	MW-4	Nitrogen, Ammonia Dissolved	mg/L	05/23/2024	<	0.11

well		param	unit	sample_date	res	result
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/13/2019		9.4
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/23/2019		8.2
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/14/2019		8
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/27/2020		8.9
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/19/2020		9
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2020		8.2
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2021		5.1
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/12/2021		8.8
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/18/2021		8.8
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/19/2021		2.9
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/15/2022		7.3
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/10/2022		6.9
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/30/2022		7.5
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2022		1.9
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/21/2023		4.8
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/30/2023		8.8
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/25/2023		7.5
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/08/2023		1.4
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/14/2024		1.4
804	MW-4	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/23/2024		6.6

804	MW-4	Nitrogen, Organic Dissolved	mg/L	05/13/2019		0.18
804	MW-4	Nitrogen, Organic Dissolved	mg/L	08/23/2019		0.34
804	MW-4	Nitrogen, Organic Dissolved	mg/L	11/14/2019		0.32
804	MW-4	Nitrogen, Organic Dissolved	mg/L	05/27/2020		0.22
804	MW-4	Nitrogen, Organic Dissolved	mg/L	08/19/2020		0.43
804	MW-4	Nitrogen, Organic Dissolved	mg/L	11/30/2020		0.24
804	MW-4	Nitrogen, Organic Dissolved	mg/L	02/25/2021		0.32
804	MW-4	Nitrogen, Organic Dissolved	mg/L	05/12/2021	<	0.18
804	MW-4	Nitrogen, Organic Dissolved	mg/L	08/18/2021		0.27
804	MW-4	Nitrogen, Organic Dissolved	mg/L	11/19/2021	<	0.25
804	MW-4	Nitrogen, Organic Dissolved	mg/L	02/15/2022	<	0.25
804	MW-4	Nitrogen, Organic Dissolved	mg/L	05/10/2022	<	0.25
804	MW-4	Nitrogen, Organic Dissolved	mg/L	08/30/2022		0.55
804	MW-4	Nitrogen, Organic Dissolved	mg/L	11/30/2022		1
804	MW-4	Nitrogen, Organic Dissolved	mg/L	02/21/2023		0.52
804	MW-4	Nitrogen, Organic Dissolved	mg/L	05/30/2023		0.77
804	MW-4	Nitrogen, Organic Dissolved	mg/L	08/25/2023	<	0.35
804	MW-4	Nitrogen, Organic Dissolved	mg/L	11/08/2023	<	0.35
804	MW-4	Nitrogen, Organic Dissolved	mg/L	02/14/2024	<	0.35
804	MW-4	Nitrogen, Organic Dissolved	mg/L	05/23/2024	<	0.35

well	param	unit	sample_date	res	result
804 MW-4	pH Field	su	05/13/2019		6.8
804 MW-4	pH Field	su	08/23/2019		6.3
804 MW-4	pH Field	su	11/14/2019		6.5
804 MW-4	pH Field	su	05/27/2020		6.5
804 MW-4	pH Field	su	08/19/2020		6.8
804 MW-4	pH Field	su	11/30/2020		6.9
804 MW-4	pH Field	su	02/25/2021		6.2
804 MW-4	pH Field	su	05/12/2021		6.4
804 MW-4	pH Field	su	08/18/2021		6.9
804 MW-4	pH Field	su	11/19/2021		6.5
804 MW-4	pH Field	su	02/15/2022		6.4
804 MW-4	pH Field	su	05/10/2022		6.8
804 MW-4	pH Field	su	08/30/2022		6.8
804 MW-4	pH Field	su	11/30/2022		6.4
804 MW-4	pH Field	su	02/21/2023		7.2
804 MW-4	pH Field	su	05/30/2023		6.8
804 MW-4	pH Field	su	08/25/2023		7.1
804 MW-4	pH Field	su	11/08/2023		7.4
804 MW-4	pH Field	su	02/14/2024		7.5
804 MW-4	pH Field	su	05/23/2024		7.3

804 MW-4	Solids, Total Dissolved	mg/L	05/13/2019		448
804 MW-4	Solids, Total Dissolved	mg/L	08/23/2019		520
804 MW-4	Solids, Total Dissolved	mg/L	11/14/2019		478
804 MW-4	Solids, Total Dissolved	mg/L	05/27/2020		512
804 MW-4	Solids, Total Dissolved	mg/L	08/19/2020		478
804 MW-4	Solids, Total Dissolved	mg/L	11/30/2020		494
804 MW-4	Solids, Total Dissolved	mg/L	02/25/2021		550
804 MW-4	Solids, Total Dissolved	mg/L	05/12/2021		486
804 MW-4	Solids, Total Dissolved	mg/L	08/18/2021		484
804 MW-4	Solids, Total Dissolved	mg/L	11/19/2021		476
804 MW-4	Solids, Total Dissolved	mg/L	02/15/2022		444
804 MW-4	Solids, Total Dissolved	mg/L	05/10/2022		516
804 MW-4	Solids, Total Dissolved	mg/L	08/30/2022		526
804 MW-4	Solids, Total Dissolved	mg/L	11/30/2022		742
804 MW-4	Solids, Total Dissolved	mg/L	02/21/2023		536
804 MW-4	Solids, Total Dissolved	mg/L	05/30/2023		504
804 MW-4	Solids, Total Dissolved	mg/L	08/25/2023		554
804 MW-4	Solids, Total Dissolved	mg/L	11/08/2023		654
804 MW-4	Solids, Total Dissolved	mg/L	02/14/2024		804
804 MW-4	Solids, Total Dissolved	mg/L	05/23/2024		514

well		param	unit	sample_date	res	result
805	MW-1	Chloride Dissolved	mg/L	05/13/2019		67
805	MW-1	Chloride Dissolved	mg/L	08/23/2019		62
805	MW-1	Chloride Dissolved	mg/L	11/14/2019		43
805	MW-1	Chloride Dissolved	mg/L	02/25/2020		29
805	MW-1	Chloride Dissolved	mg/L	05/27/2020		69
805	MW-1	Chloride Dissolved	mg/L	08/19/2020		69
805	MW-1	Chloride Dissolved	mg/L	11/30/2020		37
805	MW-1	Chloride Dissolved	mg/L	02/25/2021		36
805	MW-1	Chloride Dissolved	mg/L	05/12/2021		32
805	MW-1	Chloride Dissolved	mg/L	08/18/2021		40
805	MW-1	Chloride Dissolved	mg/L	11/19/2021		50
805	MW-1	Chloride Dissolved	mg/L	05/10/2022		72
805	MW-1	Chloride Dissolved	mg/L	08/30/2022		60
805	MW-1	Chloride Dissolved	mg/L	11/30/2022		58
805	MW-1	Chloride Dissolved	mg/L	05/30/2023		61
805	MW-1	Chloride Dissolved	mg/L	05/23/2024		59

805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	05/13/2019		0.19
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	08/23/2019		0.2
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	11/14/2019		0.26
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	02/25/2020		0.22
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	05/27/2020		0.17
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	08/19/2020		0.21
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	11/30/2020		0.24
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	02/25/2021		0.41
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	05/12/2021		0.18
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	08/18/2021		0.21
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	11/19/2021		0.36
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	05/10/2022	<	0.1
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	08/30/2022	<	0.1
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	11/30/2022		0.28
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	05/30/2023		0.11
805	MW-1	Nitrogen, Ammonia Dissolved	mg/L	05/23/2024	<	0.11

well	param	unit	sample_date	res	result
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/13/2019		0.38
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/23/2019		0.46
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/14/2019	<	0.11
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2020		0.53
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/27/2020		0.11
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/19/2020		0.2
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2020		0.12
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2021	<	0.07
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/12/2021	<	0.11
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/18/2021	<	0.11
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/19/2021	<	0.11
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/10/2022		0.23
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/30/2022		0.38
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2022	<	0.05
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/30/2023		0.1
805 MW-1	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/23/2024		0.13

805 MW-1	Nitrogen, Organic Dissolved	mg/L	05/13/2019		0.2
805 MW-1	Nitrogen, Organic Dissolved	mg/L	08/23/2019		0.48
805 MW-1	Nitrogen, Organic Dissolved	mg/L	11/14/2019		0.45
805 MW-1	Nitrogen, Organic Dissolved	mg/L	02/25/2020		0.31
805 MW-1	Nitrogen, Organic Dissolved	mg/L	05/27/2020		0.47
805 MW-1	Nitrogen, Organic Dissolved	mg/L	08/19/2020		0.62
805 MW-1	Nitrogen, Organic Dissolved	mg/L	11/30/2020		0.4
805 MW-1	Nitrogen, Organic Dissolved	mg/L	02/25/2021		0.36
805 MW-1	Nitrogen, Organic Dissolved	mg/L	05/12/2021		0.41
805 MW-1	Nitrogen, Organic Dissolved	mg/L	08/18/2021		0.52
805 MW-1	Nitrogen, Organic Dissolved	mg/L	11/19/2021		0.49
805 MW-1	Nitrogen, Organic Dissolved	mg/L	05/10/2022	<	0.25
805 MW-1	Nitrogen, Organic Dissolved	mg/L	08/30/2022		0.64
805 MW-1	Nitrogen, Organic Dissolved	mg/L	11/30/2022		0.92
805 MW-1	Nitrogen, Organic Dissolved	mg/L	05/30/2023		0.6
805 MW-1	Nitrogen, Organic Dissolved	mg/L	05/23/2024	<	0.35

well	param	unit	sample_date	res result
805 MW-1	pH Field	su	05/13/2019	7
805 MW-1	pH Field	su	08/23/2019	6.9
805 MW-1	pH Field	su	11/14/2019	6.8
805 MW-1	pH Field	su	02/25/2020	6.6
805 MW-1	pH Field	su	05/27/2020	6.5
805 MW-1	pH Field	su	08/19/2020	7
805 MW-1	pH Field	su	11/30/2020	6.7
805 MW-1	pH Field	su	02/25/2021	6.5
805 MW-1	pH Field	su	05/12/2021	6.4
805 MW-1	pH Field	su	08/18/2021	6.9
805 MW-1	pH Field	su	11/19/2021	6.6
805 MW-1	pH Field	su	05/10/2022	7.4
805 MW-1	pH Field	su	08/30/2022	6.9
805 MW-1	pH Field	su	11/30/2022	6.7
805 MW-1	pH Field	su	05/30/2023	6.8
805 MW-1	pH Field	su	05/23/2024	7.4

805 MW-1	Solids, Total Dissolved	mg/L	05/13/2019	538
805 MW-1	Solids, Total Dissolved	mg/L	08/23/2019	564
805 MW-1	Solids, Total Dissolved	mg/L	11/14/2019	528
805 MW-1	Solids, Total Dissolved	mg/L	02/25/2020	548
805 MW-1	Solids, Total Dissolved	mg/L	05/27/2020	610
805 MW-1	Solids, Total Dissolved	mg/L	08/19/2020	612
805 MW-1	Solids, Total Dissolved	mg/L	11/30/2020	600
805 MW-1	Solids, Total Dissolved	mg/L	02/25/2021	636
805 MW-1	Solids, Total Dissolved	mg/L	05/12/2021	560
805 MW-1	Solids, Total Dissolved	mg/L	08/18/2021	566
805 MW-1	Solids, Total Dissolved	mg/L	11/19/2021	550
805 MW-1	Solids, Total Dissolved	mg/L	05/10/2022	592
805 MW-1	Solids, Total Dissolved	mg/L	08/30/2022	606
805 MW-1	Solids, Total Dissolved	mg/L	11/30/2022	600
805 MW-1	Solids, Total Dissolved	mg/L	05/30/2023	574
805 MW-1	Solids, Total Dissolved	mg/L	05/23/2024	750

well		param	unit	sample_date	res	result
806	MW-3	Chloride Dissolved	mg/L	02/28/2019		37
806	MW-3	Chloride Dissolved	mg/L	05/13/2019		32
806	MW-3	Chloride Dissolved	mg/L	08/23/2019		34
806	MW-3	Chloride Dissolved	mg/L	11/14/2019		33
806	MW-3	Chloride Dissolved	mg/L	02/25/2020		31
806	MW-3	Chloride Dissolved	mg/L	05/27/2020		29
806	MW-3	Chloride Dissolved	mg/L	08/19/2020		27
806	MW-3	Chloride Dissolved	mg/L	11/30/2020		29
806	MW-3	Chloride Dissolved	mg/L	02/25/2021		29
806	MW-3	Chloride Dissolved	mg/L	05/12/2021		28
806	MW-3	Chloride Dissolved	mg/L	08/18/2021		28
806	MW-3	Chloride Dissolved	mg/L	11/19/2021		30
806	MW-3	Chloride Dissolved	mg/L	02/15/2022		42
806	MW-3	Chloride Dissolved	mg/L	05/10/2022		25
806	MW-3	Chloride Dissolved	mg/L	08/30/2022		29
806	MW-3	Chloride Dissolved	mg/L	11/30/2022		42
806	MW-3	Chloride Dissolved	mg/L	02/21/2023		48
806	MW-3	Chloride Dissolved	mg/L	05/30/2023		27
806	MW-3	Chloride Dissolved	mg/L	08/25/2023		30
806	MW-3	Chloride Dissolved	mg/L	11/08/2023		51
806	MW-3	Chloride Dissolved	mg/L	02/14/2024		32
806	MW-3	Chloride Dissolved	mg/L	05/23/2024		33

806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	02/28/2019	<	0.14
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	05/13/2019	<	0.14
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	08/23/2019	<	0.15
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	11/14/2019	<	0.15
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	02/25/2020	<	0.15
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	05/27/2020	<	0.15
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	08/19/2020	<	0.15
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	11/30/2020	<	0.15
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	02/25/2021	<	0.15
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	05/12/2021	<	0.15
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	08/18/2021	<	0.15
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	11/19/2021	<	0.1
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	02/15/2022	<	0.1
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	05/10/2022	<	0.1
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	08/30/2022	<	0.1
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	11/30/2022	<	0.11
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	02/21/2023		0.19
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	05/30/2023	<	0.11
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	08/25/2023	<	0.11
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	11/08/2023	<	0.11
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	02/14/2024	<	0.11
806	MW-3	Nitrogen, Ammonia Dissolved	mg/L	05/23/2024	<	0.11

well		param	unit	sample_date	res	result
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/28/2019		11
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/13/2019		9.6
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/23/2019		10
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/14/2019		8.9
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2020		8.8
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/27/2020		8.9
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/19/2020		8.9
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2020		9.6
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2021		7.6
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/12/2021		5.5
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/18/2021		8.3
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/19/2021		7.3
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/15/2022		4.6
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/10/2022		9
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/30/2022		8.4
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2022		6.6
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/21/2023		5
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/30/2023		9.9
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/25/2023		9.5
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/08/2023		5
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/14/2024		1.2
806	MW-3	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/23/2024		1.2
806	MW-3	Nitrogen, Organic Dissolved	mg/L	02/28/2019		0.24
806	MW-3	Nitrogen, Organic Dissolved	mg/L	05/13/2019	<	0.14
806	MW-3	Nitrogen, Organic Dissolved	mg/L	08/23/2019		0.26
806	MW-3	Nitrogen, Organic Dissolved	mg/L	11/14/2019		0.33
806	MW-3	Nitrogen, Organic Dissolved	mg/L	02/25/2020		0.21
806	MW-3	Nitrogen, Organic Dissolved	mg/L	05/27/2020		0.2
806	MW-3	Nitrogen, Organic Dissolved	mg/L	08/19/2020		0.33
806	MW-3	Nitrogen, Organic Dissolved	mg/L	11/30/2020		0.28
806	MW-3	Nitrogen, Organic Dissolved	mg/L	02/25/2021	<	0.18
806	MW-3	Nitrogen, Organic Dissolved	mg/L	05/12/2021	<	0.18
806	MW-3	Nitrogen, Organic Dissolved	mg/L	08/18/2021		0.35
806	MW-3	Nitrogen, Organic Dissolved	mg/L	11/19/2021	<	0.25
806	MW-3	Nitrogen, Organic Dissolved	mg/L	02/15/2022	<	0.25
806	MW-3	Nitrogen, Organic Dissolved	mg/L	05/10/2022	<	0.25
806	MW-3	Nitrogen, Organic Dissolved	mg/L	08/30/2022		0.4
806	MW-3	Nitrogen, Organic Dissolved	mg/L	11/30/2022		0.96
806	MW-3	Nitrogen, Organic Dissolved	mg/L	02/21/2023		0.5
806	MW-3	Nitrogen, Organic Dissolved	mg/L	05/30/2023		0.68
806	MW-3	Nitrogen, Organic Dissolved	mg/L	08/25/2023	<	0.35
806	MW-3	Nitrogen, Organic Dissolved	mg/L	11/08/2023	<	0.35
806	MW-3	Nitrogen, Organic Dissolved	mg/L	02/14/2024	<	0.35
806	MW-3	Nitrogen, Organic Dissolved	mg/L	05/23/2024	<	0.35

well	param	unit	sample_date	res result
806 MW-3	pH Field	su	02/28/2019	6.8
806 MW-3	pH Field	su	05/13/2019	6.6
806 MW-3	pH Field	su	08/23/2019	6.4
806 MW-3	pH Field	su	11/14/2019	6.6
806 MW-3	pH Field	su	02/25/2020	7
806 MW-3	pH Field	su	05/27/2020	6.7
806 MW-3	pH Field	su	08/19/2020	6.9
806 MW-3	pH Field	su	11/30/2020	6.9
806 MW-3	pH Field	su	02/25/2021	6.8
806 MW-3	pH Field	su	05/12/2021	6.8
806 MW-3	pH Field	su	08/18/2021	6.8
806 MW-3	pH Field	su	11/19/2021	6.8
806 MW-3	pH Field	su	02/15/2022	7.1
806 MW-3	pH Field	su	05/10/2022	7
806 MW-3	pH Field	su	08/30/2022	7.5
806 MW-3	pH Field	su	11/30/2022	7.5
806 MW-3	pH Field	su	02/21/2023	7.4
806 MW-3	pH Field	su	05/30/2023	7.4
806 MW-3	pH Field	su	08/25/2023	7.6
806 MW-3	pH Field	su	11/08/2023	7.5
806 MW-3	pH Field	su	02/14/2024	7.7
806 MW-3	pH Field	su	05/23/2024	7.5

806 MW-3	Solids, Total Dissolved	mg/L	02/28/2019	434
806 MW-3	Solids, Total Dissolved	mg/L	05/13/2019	416
806 MW-3	Solids, Total Dissolved	mg/L	08/23/2019	486
806 MW-3	Solids, Total Dissolved	mg/L	11/14/2019	472
806 MW-3	Solids, Total Dissolved	mg/L	02/25/2020	462
806 MW-3	Solids, Total Dissolved	mg/L	05/27/2020	498
806 MW-3	Solids, Total Dissolved	mg/L	08/19/2020	478
806 MW-3	Solids, Total Dissolved	mg/L	11/30/2020	442
806 MW-3	Solids, Total Dissolved	mg/L	02/25/2021	492
806 MW-3	Solids, Total Dissolved	mg/L	05/12/2021	456
806 MW-3	Solids, Total Dissolved	mg/L	08/18/2021	482
806 MW-3	Solids, Total Dissolved	mg/L	11/19/2021	392
806 MW-3	Solids, Total Dissolved	mg/L	02/15/2022	398
806 MW-3	Solids, Total Dissolved	mg/L	05/10/2022	442
806 MW-3	Solids, Total Dissolved	mg/L	08/30/2022	456
806 MW-3	Solids, Total Dissolved	mg/L	11/30/2022	434
806 MW-3	Solids, Total Dissolved	mg/L	02/21/2023	455
806 MW-3	Solids, Total Dissolved	mg/L	05/30/2023	470
806 MW-3	Solids, Total Dissolved	mg/L	08/25/2023	480
806 MW-3	Solids, Total Dissolved	mg/L	11/08/2023	474
806 MW-3	Solids, Total Dissolved	mg/L	02/14/2024	452
806 MW-3	Solids, Total Dissolved	mg/L	05/23/2024	474

well	param	unit	sample_date	res	result
808 MW-5	Chloride Dissolved	mg/L	02/28/2019		9.6
808 MW-5	Chloride Dissolved	mg/L	05/13/2019	<	7.5
808 MW-5	Chloride Dissolved	mg/L	08/23/2019		8.6
808 MW-5	Chloride Dissolved	mg/L	11/14/2019		17
808 MW-5	Chloride Dissolved	mg/L	02/25/2020		10
808 MW-5	Chloride Dissolved	mg/L	05/27/2020		17
808 MW-5	Chloride Dissolved	mg/L	08/19/2020		11
808 MW-5	Chloride Dissolved	mg/L	11/30/2020		14
808 MW-5	Chloride Dissolved	mg/L	02/25/2021		18
808 MW-5	Chloride Dissolved	mg/L	05/12/2021		14
808 MW-5	Chloride Dissolved	mg/L	08/18/2021		8.9
808 MW-5	Chloride Dissolved	mg/L	11/19/2021		19
808 MW-5	Chloride Dissolved	mg/L	02/15/2022		17
808 MW-5	Chloride Dissolved	mg/L	05/10/2022		9.9
808 MW-5	Chloride Dissolved	mg/L	08/30/2022		9.4
808 MW-5	Chloride Dissolved	mg/L	11/30/2022		26
808 MW-5	Chloride Dissolved	mg/L	02/21/2023		25
808 MW-5	Chloride Dissolved	mg/L	05/30/2023		16
808 MW-5	Chloride Dissolved	mg/L	08/25/2023		20
808 MW-5	Chloride Dissolved	mg/L	11/08/2023		14
808 MW-5	Chloride Dissolved	mg/L	02/14/2024		52
808 MW-5	Chloride Dissolved	mg/L	05/23/2024		10
			Mean		16.08636
			Standard Dev		9.334652

808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	02/28/2019	<	0.14
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	05/13/2019	<	0.14
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	08/23/2019		0.17
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	11/14/2019	<	0.15
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	02/25/2020	<	0.15
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	05/27/2020	<	0.15
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	08/19/2020	<	0.15
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	11/30/2020	<	0.15
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	02/25/2021	<	0.15
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	05/12/2021	<	0.15
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	08/18/2021	<	0.15
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	11/19/2021	<	0.1
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	02/15/2022	<	0.1
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	05/10/2022	<	0.1
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	08/30/2022	<	0.1
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	11/30/2022	<	0.11
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	02/21/2023		0.35
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	05/30/2023	<	0.11
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	08/25/2023	<	0.11
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	11/08/2023	<	0.11
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	02/14/2024	<	0.11
808 MW-5	Nitrogen, Ammonia Dissolved	mg/L	05/23/2024	<	0.11
			Mean		0.139091
			Standard Dev		0.05116

well		param	unit	sample_date	res	result
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/28/2019		9.3
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/13/2019		7.8
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/23/2019		6.9
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/14/2019		6.8
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2020		9.3
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/27/2020		14
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/19/2020		11
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2020		11
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2021		11
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/12/2021		7.9
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/18/2021		5.3
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/19/2021		6.5
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/15/2022		9.7
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/10/2022		5.8
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/30/2022		6.3
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2022		14
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/21/2023		8.7
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/30/2023		12
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/25/2023		13
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/08/2023		12
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/14/2024		10
808	MW-5	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/23/2024		7.6
				Mean		9.359091
				Standard Dev		2.578347
808	MW-5	Nitrogen, Organic Dissolved	mg/L	02/28/2019		0.19
808	MW-5	Nitrogen, Organic Dissolved	mg/L	05/13/2019	<	0.14
808	MW-5	Nitrogen, Organic Dissolved	mg/L	08/23/2019	<	0.18
808	MW-5	Nitrogen, Organic Dissolved	mg/L	11/14/2019		0.19
808	MW-5	Nitrogen, Organic Dissolved	mg/L	02/25/2020		0.21
808	MW-5	Nitrogen, Organic Dissolved	mg/L	05/27/2020	<	0.18
808	MW-5	Nitrogen, Organic Dissolved	mg/L	08/19/2020		0.34
808	MW-5	Nitrogen, Organic Dissolved	mg/L	11/30/2020	<	0.18
808	MW-5	Nitrogen, Organic Dissolved	mg/L	02/25/2021		0.2
808	MW-5	Nitrogen, Organic Dissolved	mg/L	05/12/2021	<	0.18
808	MW-5	Nitrogen, Organic Dissolved	mg/L	08/18/2021	<	0.25
808	MW-5	Nitrogen, Organic Dissolved	mg/L	11/19/2021	<	0.25
808	MW-5	Nitrogen, Organic Dissolved	mg/L	02/15/2022	<	0.25
808	MW-5	Nitrogen, Organic Dissolved	mg/L	05/10/2022	<	0.25
808	MW-5	Nitrogen, Organic Dissolved	mg/L	08/30/2022		0.42
808	MW-5	Nitrogen, Organic Dissolved	mg/L	11/30/2022		0.82
808	MW-5	Nitrogen, Organic Dissolved	mg/L	02/21/2023		0.29
808	MW-5	Nitrogen, Organic Dissolved	mg/L	05/30/2023		0.56
808	MW-5	Nitrogen, Organic Dissolved	mg/L	08/25/2023	<	0.35
808	MW-5	Nitrogen, Organic Dissolved	mg/L	11/08/2023	<	0.35
808	MW-5	Nitrogen, Organic Dissolved	mg/L	02/14/2024	<	0.35
808	MW-5	Nitrogen, Organic Dissolved	mg/L	05/23/2024	<	0.35
				Mean		0.294545
				Standard Dev		0.150597

well	param	unit	sample_date	res result
808 MW-5	pH Field	su	02/28/2019	7.1
808 MW-5	pH Field	su	05/13/2019	6.8
808 MW-5	pH Field	su	08/23/2019	6.7
808 MW-5	pH Field	su	11/14/2019	6.5
808 MW-5	pH Field	su	02/25/2020	6.6
808 MW-5	pH Field	su	05/27/2020	6.5
808 MW-5	pH Field	su	08/19/2020	6.7
808 MW-5	pH Field	su	11/30/2020	7
808 MW-5	pH Field	su	02/25/2021	6.6
808 MW-5	pH Field	su	05/12/2021	6.7
808 MW-5	pH Field	su	08/18/2021	7
808 MW-5	pH Field	su	11/19/2021	6.6
808 MW-5	pH Field	su	02/15/2022	6.7
808 MW-5	pH Field	su	05/10/2022	6.9
808 MW-5	pH Field	su	08/30/2022	7
808 MW-5	pH Field	su	11/30/2022	7
808 MW-5	pH Field	su	02/21/2023	7
808 MW-5	pH Field	su	05/30/2023	7.2
808 MW-5	pH Field	su	08/25/2023	7.5
808 MW-5	pH Field	su	11/08/2023	7.7
808 MW-5	pH Field	su	02/14/2024	7.7
808 MW-5	pH Field	su	05/23/2024	7.5
			Mean	6.954545

808 MW-5	Solids, Total Dissolved	mg/L	02/28/2019	424
808 MW-5	Solids, Total Dissolved	mg/L	05/13/2019	368
808 MW-5	Solids, Total Dissolved	mg/L	08/23/2019	448
808 MW-5	Solids, Total Dissolved	mg/L	11/14/2019	422
808 MW-5	Solids, Total Dissolved	mg/L	02/25/2020	436
808 MW-5	Solids, Total Dissolved	mg/L	05/27/2020	494
808 MW-5	Solids, Total Dissolved	mg/L	08/19/2020	406
808 MW-5	Solids, Total Dissolved	mg/L	11/30/2020	412
808 MW-5	Solids, Total Dissolved	mg/L	02/25/2021	444
808 MW-5	Solids, Total Dissolved	mg/L	05/12/2021	410
808 MW-5	Solids, Total Dissolved	mg/L	08/18/2021	414
808 MW-5	Solids, Total Dissolved	mg/L	11/19/2021	378
808 MW-5	Solids, Total Dissolved	mg/L	02/15/2022	436
808 MW-5	Solids, Total Dissolved	mg/L	05/10/2022	388
808 MW-5	Solids, Total Dissolved	mg/L	08/30/2022	382
808 MW-5	Solids, Total Dissolved	mg/L	11/30/2022	446
808 MW-5	Solids, Total Dissolved	mg/L	02/21/2023	424
808 MW-5	Solids, Total Dissolved	mg/L	05/30/2023	476
808 MW-5	Solids, Total Dissolved	mg/L	08/25/2023	518
808 MW-5	Solids, Total Dissolved	mg/L	11/08/2023	464
808 MW-5	Solids, Total Dissolved	mg/L	02/14/2024	500
808 MW-5	Solids, Total Dissolved	mg/L	05/23/2024	194
			Mean	422
			Standard Dev	63.04976

well	param	unit	sample_date	res	result
809 MW-6	Chloride Dissolved	mg/L	05/13/2019		29
809 MW-6	Chloride Dissolved	mg/L	08/23/2019		36
809 MW-6	Chloride Dissolved	mg/L	11/14/2019		103
809 MW-6	Chloride Dissolved	mg/L	05/27/2020		51
809 MW-6	Chloride Dissolved	mg/L	08/19/2020		56
809 MW-6	Chloride Dissolved	mg/L	11/30/2020		16
809 MW-6	Chloride Dissolved	mg/L	05/12/2021		16
809 MW-6	Chloride Dissolved	mg/L	05/10/2022		17
809 MW-6	Nitrogen, Ammonia Dissolved	mg/L	05/13/2019		3.6
809 MW-6	Nitrogen, Ammonia Dissolved	mg/L	08/23/2019		2.8
809 MW-6	Nitrogen, Ammonia Dissolved	mg/L	11/14/2019		9.4
809 MW-6	Nitrogen, Ammonia Dissolved	mg/L	05/27/2020		3.9
809 MW-6	Nitrogen, Ammonia Dissolved	mg/L	08/19/2020		4.9
809 MW-6	Nitrogen, Ammonia Dissolved	mg/L	11/30/2020		2.6
809 MW-6	Nitrogen, Ammonia Dissolved	mg/L	05/12/2021		2.7
809 MW-6	Nitrogen, Ammonia Dissolved	mg/L	05/10/2022		1.9
809 MW-6	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/13/2019		0.12
809 MW-6	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/23/2019	<	0.11
809 MW-6	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/14/2019		0.12
809 MW-6	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/27/2020		0.14
809 MW-6	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/19/2020	<	0.11
809 MW-6	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2020	<	0.07
809 MW-6	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/12/2021		0.24
809 MW-6	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/10/2022		3.7
809 MW-6	Nitrogen, Organic Dissolved	mg/L	05/13/2019		0.7
809 MW-6	Nitrogen, Organic Dissolved	mg/L	08/23/2019		0.7
809 MW-6	Nitrogen, Organic Dissolved	mg/L	11/14/2019		0.6
809 MW-6	Nitrogen, Organic Dissolved	mg/L	05/27/2020		0.7
809 MW-6	Nitrogen, Organic Dissolved	mg/L	08/19/2020		0.9
809 MW-6	Nitrogen, Organic Dissolved	mg/L	11/30/2020		0.6
809 MW-6	Nitrogen, Organic Dissolved	mg/L	05/12/2021		0.4
809 MW-6	Nitrogen, Organic Dissolved	mg/L	05/10/2022		0.3

well		param	unit	sample_date	res	result
809	MW-6	pH Field	su	05/13/2019		6
809	MW-6	pH Field	su	08/23/2019		6.1
809	MW-6	pH Field	su	11/14/2019		6.5
809	MW-6	pH Field	su	05/27/2020		6.2
809	MW-6	pH Field	su	08/19/2020		6.5
809	MW-6	pH Field	su	11/30/2020		6.6
809	MW-6	pH Field	su	05/12/2021		6.5
809	MW-6	pH Field	su	05/10/2022		6.9
809	MW-6	Solids, Total Dissolved	mg/L	05/13/2019		316
809	MW-6	Solids, Total Dissolved	mg/L	08/23/2019		422
809	MW-6	Solids, Total Dissolved	mg/L	11/14/2019		626
809	MW-6	Solids, Total Dissolved	mg/L	05/27/2020		388
809	MW-6	Solids, Total Dissolved	mg/L	08/19/2020		427
809	MW-6	Solids, Total Dissolved	mg/L	11/30/2020		256
809	MW-6	Solids, Total Dissolved	mg/L	05/12/2021		340
809	MW-6	Solids, Total Dissolved	mg/L	05/10/2022		306
810	MW-7	Chloride Dissolved	mg/L	02/28/2019		28
810	MW-7	Chloride Dissolved	mg/L	05/13/2019		32
810	MW-7	Chloride Dissolved	mg/L	08/23/2019		35
810	MW-7	Chloride Dissolved	mg/L	11/14/2019		34
810	MW-7	Chloride Dissolved	mg/L	02/25/2020		29
810	MW-7	Chloride Dissolved	mg/L	05/27/2020		29
810	MW-7	Chloride Dissolved	mg/L	08/19/2020		32
810	MW-7	Chloride Dissolved	mg/L	11/30/2020		31
810	MW-7	Chloride Dissolved	mg/L	02/25/2021		27
810	MW-7	Chloride Dissolved	mg/L	05/12/2021		24
810	MW-7	Chloride Dissolved	mg/L	08/18/2021		26
810	MW-7	Chloride Dissolved	mg/L	11/19/2021		26
810	MW-7	Chloride Dissolved	mg/L	02/15/2022		25
810	MW-7	Chloride Dissolved	mg/L	05/10/2022		25
810	MW-7	Chloride Dissolved	mg/L	08/30/2022		24
810	MW-7	Chloride Dissolved	mg/L	11/30/2022		27
810	MW-7	Chloride Dissolved	mg/L	03/21/2023		18
810	MW-7	Chloride Dissolved	mg/L	05/30/2023		32
810	MW-7	Chloride Dissolved	mg/L	08/25/2023		30
810	MW-7	Chloride Dissolved	mg/L	11/08/2023		30
810	MW-7	Chloride Dissolved	mg/L	02/14/2024		26
810	MW-7	Chloride Dissolved	mg/L	05/23/2024		31

well	param	unit	sample_date	res	result
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	02/28/2019	<	0.14
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	05/13/2019	<	0.14
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	08/23/2019	<	0.15
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	11/14/2019	<	0.15
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	02/25/2020	<	0.15
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	05/27/2020	<	0.15
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	08/19/2020	<	0.15
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	11/30/2020	<	0.15
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	02/25/2021	<	0.15
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	05/12/2021	<	0.15
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	08/18/2021	<	0.15
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	11/19/2021	<	0.1
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	02/15/2022	<	0.1
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	05/10/2022	<	0.1
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	08/30/2022	<	0.1
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	11/30/2022	<	0.11
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	03/21/2023		0.19
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	05/30/2023	<	0.11
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	08/25/2023	<	0.11
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	11/08/2023	<	0.11
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	02/14/2024	<	0.11
810 MW-7	Nitrogen, Ammonia Dissolved	mg/L	05/23/2024	<	0.11

810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/28/2019	13
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/13/2019	10
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/23/2019	11
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/14/2019	10
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2020	9.7
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/27/2020	10
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/19/2020	10
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2020	12
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2021	9.6
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/12/2021	12
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/18/2021	11
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/19/2021	9.5
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/15/2022	11
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/10/2022	11
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/30/2022	11
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2022	12
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	03/21/2023	8.3
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/30/2023	12
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/25/2023	12
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/08/2023	15
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/14/2024	11
810 MW-7	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/23/2024	11

well		param	unit	sample_date	res	result
810	MW-7	Nitrogen, Organic Dissolved	mg/L	02/28/2019		0.28
810	MW-7	Nitrogen, Organic Dissolved	mg/L	05/13/2019	<	0.14
810	MW-7	Nitrogen, Organic Dissolved	mg/L	08/23/2019		0.28
810	MW-7	Nitrogen, Organic Dissolved	mg/L	11/14/2019		0.36
810	MW-7	Nitrogen, Organic Dissolved	mg/L	02/25/2020	<	0.18
810	MW-7	Nitrogen, Organic Dissolved	mg/L	05/27/2020		0.19
810	MW-7	Nitrogen, Organic Dissolved	mg/L	08/19/2020		0.34
810	MW-7	Nitrogen, Organic Dissolved	mg/L	11/30/2020	<	0.18
810	MW-7	Nitrogen, Organic Dissolved	mg/L	02/25/2021	<	0.18
810	MW-7	Nitrogen, Organic Dissolved	mg/L	05/12/2021	<	0.18
810	MW-7	Nitrogen, Organic Dissolved	mg/L	08/18/2021		0.39
810	MW-7	Nitrogen, Organic Dissolved	mg/L	11/19/2021	<	0.25
810	MW-7	Nitrogen, Organic Dissolved	mg/L	02/15/2022		0.29
810	MW-7	Nitrogen, Organic Dissolved	mg/L	05/10/2022	<	0.25
810	MW-7	Nitrogen, Organic Dissolved	mg/L	08/30/2022		0.58
810	MW-7	Nitrogen, Organic Dissolved	mg/L	11/30/2022		0.82
810	MW-7	Nitrogen, Organic Dissolved	mg/L	03/21/2023		0.56
810	MW-7	Nitrogen, Organic Dissolved	mg/L	05/30/2023		0.65
810	MW-7	Nitrogen, Organic Dissolved	mg/L	08/25/2023	<	0.35
810	MW-7	Nitrogen, Organic Dissolved	mg/L	11/08/2023	<	0.35
810	MW-7	Nitrogen, Organic Dissolved	mg/L	02/14/2024	<	0.35
810	MW-7	Nitrogen, Organic Dissolved	mg/L	05/23/2024	<	0.35

810	MW-7	pH Field	su	02/28/2019		7.3
810	MW-7	pH Field	su	05/13/2019		6.5
810	MW-7	pH Field	su	08/23/2019		6.6
810	MW-7	pH Field	su	11/14/2019		6.4
810	MW-7	pH Field	su	02/25/2020		6.5
810	MW-7	pH Field	su	05/27/2020		6.5
810	MW-7	pH Field	su	08/19/2020		6.7
810	MW-7	pH Field	su	11/30/2020		6.8
810	MW-7	pH Field	su	02/25/2021		6.4
810	MW-7	pH Field	su	05/12/2021		6.5
810	MW-7	pH Field	su	08/18/2021		7
810	MW-7	pH Field	su	11/19/2021		6.6
810	MW-7	pH Field	su	02/15/2022		6.6
810	MW-7	pH Field	su	05/10/2022		6.9
810	MW-7	pH Field	su	08/30/2022		6.9
810	MW-7	pH Field	su	11/30/2022		6.6
810	MW-7	pH Field	su	03/21/2023		6.9
810	MW-7	pH Field	su	05/30/2023		6.8
810	MW-7	pH Field	su	08/25/2023		7.3
810	MW-7	pH Field	su	11/08/2023		7.7
810	MW-7	pH Field	su	02/14/2024		7.9
810	MW-7	pH Field	su	05/23/2024		7.4

well		param	unit	sample_date	res result
810	MW-7	Solids, Total Dissolved	mg/L	02/28/2019	410
810	MW-7	Solids, Total Dissolved	mg/L	05/13/2019	400
810	MW-7	Solids, Total Dissolved	mg/L	08/23/2019	486
810	MW-7	Solids, Total Dissolved	mg/L	11/14/2019	418
810	MW-7	Solids, Total Dissolved	mg/L	02/25/2020	454
810	MW-7	Solids, Total Dissolved	mg/L	05/27/2020	502
810	MW-7	Solids, Total Dissolved	mg/L	08/19/2020	464
810	MW-7	Solids, Total Dissolved	mg/L	11/30/2020	442
810	MW-7	Solids, Total Dissolved	mg/L	02/25/2021	432
810	MW-7	Solids, Total Dissolved	mg/L	05/12/2021	436
810	MW-7	Solids, Total Dissolved	mg/L	08/18/2021	488
810	MW-7	Solids, Total Dissolved	mg/L	11/19/2021	370
810	MW-7	Solids, Total Dissolved	mg/L	02/15/2022	390
810	MW-7	Solids, Total Dissolved	mg/L	05/10/2022	436
810	MW-7	Solids, Total Dissolved	mg/L	08/30/2022	414
810	MW-7	Solids, Total Dissolved	mg/L	11/30/2022	426
810	MW-7	Solids, Total Dissolved	mg/L	03/21/2023	336
810	MW-7	Solids, Total Dissolved	mg/L	05/30/2023	438
810	MW-7	Solids, Total Dissolved	mg/L	08/25/2023	514
810	MW-7	Solids, Total Dissolved	mg/L	11/08/2023	436
810	MW-7	Solids, Total Dissolved	mg/L	02/14/2024	430
810	MW-7	Solids, Total Dissolved	mg/L	05/23/2024	516
811	MW-2A	Chloride Dissolved	mg/L	02/28/2019	30
811	MW-2A	Chloride Dissolved	mg/L	05/13/2019	28
811	MW-2A	Chloride Dissolved	mg/L	08/23/2019	25
811	MW-2A	Chloride Dissolved	mg/L	11/14/2019	26
811	MW-2A	Chloride Dissolved	mg/L	02/25/2020	30
811	MW-2A	Chloride Dissolved	mg/L	05/27/2020	27
811	MW-2A	Chloride Dissolved	mg/L	08/19/2020	22
811	MW-2A	Chloride Dissolved	mg/L	11/30/2020	25
811	MW-2A	Chloride Dissolved	mg/L	02/25/2021	28
811	MW-2A	Chloride Dissolved	mg/L	05/12/2021	25
811	MW-2A	Chloride Dissolved	mg/L	08/18/2021	25
811	MW-2A	Chloride Dissolved	mg/L	11/19/2021	25
811	MW-2A	Chloride Dissolved	mg/L	05/10/2022	22
811	MW-2A	Chloride Dissolved	mg/L	08/30/2022	21
811	MW-2A	Chloride Dissolved	mg/L	11/30/2022	32
811	MW-2A	Chloride Dissolved	mg/L	05/30/2023	23
811	MW-2A	Chloride Dissolved	mg/L	08/25/2023	24
811	MW-2A	Chloride Dissolved	mg/L	11/08/2023	24
811	MW-2A	Chloride Dissolved	mg/L	05/23/2024	24

well		param	unit	sample_date	res	result
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	02/28/2019	<	0.14
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	05/13/2019	<	0.14
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	08/23/2019	<	0.15
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	11/14/2019	<	0.15
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	02/25/2020	<	0.15
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	05/27/2020	<	0.15
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	08/19/2020	<	0.15
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	11/30/2020	<	0.15
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	02/25/2021	<	0.15
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	05/12/2021	<	0.15
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	08/18/2021	<	0.15
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	11/19/2021	<	0.1
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	05/10/2022	<	0.1
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	08/30/2022	<	0.1
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	11/30/2022	<	0.11
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	05/30/2023	<	0.11
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	08/25/2023	<	0.11
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	11/08/2023	<	0.11
811	MW-2A	Nitrogen, Ammonia Dissolved	mg/L	05/23/2024	<	0.11

811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/28/2019	13
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/13/2019	12
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/23/2019	10
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/14/2019	10
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2020	8.2
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/27/2020	8.6
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/19/2020	7.8
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2020	8.8
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2021	7.5
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/12/2021	8.3
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/18/2021	8.4
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/19/2021	6.5
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/10/2022	9.2
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/30/2022	8.8
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2022	4.8
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/30/2023	12
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/25/2023	11
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/08/2023	9.7
811	MW-2A	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/23/2024	9.7

well	param	unit	sample_date	res	result
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	02/28/2019		0.2
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	05/13/2019	<	0.14
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	08/23/2019		0.28
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	11/14/2019		0.27
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	02/25/2020		0.27
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	05/27/2020		0.23
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	08/19/2020		0.27
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	11/30/2020		0.31
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	02/25/2021		0.27
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	05/12/2021	<	0.18
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	08/18/2021		0.56
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	11/19/2021	<	0.25
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	05/10/2022	<	0.25
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	08/30/2022		0.4
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	11/30/2022		0.93
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	05/30/2023		0.65
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	08/25/2023	<	0.35
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	11/08/2023	<	0.35
811 MW-2A	Nitrogen, Organic Dissolved	mg/L	05/23/2024	<	0.35

811 MW-2A	pH Field	su	02/28/2019	6.9
811 MW-2A	pH Field	su	05/13/2019	6.5
811 MW-2A	pH Field	su	08/23/2019	6.3
811 MW-2A	pH Field	su	11/14/2019	6.3
811 MW-2A	pH Field	su	02/25/2020	6.3
811 MW-2A	pH Field	su	05/27/2020	6.4
811 MW-2A	pH Field	su	08/19/2020	6.7
811 MW-2A	pH Field	su	11/30/2020	6.7
811 MW-2A	pH Field	su	02/25/2021	6.3
811 MW-2A	pH Field	su	05/12/2021	6.4
811 MW-2A	pH Field	su	08/18/2021	7
811 MW-2A	pH Field	su	11/19/2021	6.5
811 MW-2A	pH Field	su	05/10/2022	6.9
811 MW-2A	pH Field	su	08/30/2022	6.9
811 MW-2A	pH Field	su	11/30/2022	6.5
811 MW-2A	pH Field	su	05/30/2023	6.8
811 MW-2A	pH Field	su	08/25/2023	7.1
811 MW-2A	pH Field	su	11/08/2023	7.6
811 MW-2A	pH Field	su	05/23/2024	7.4

well		param	unit	sample_date	res	result
811	MW-2A	Solids, Total Dissolved	mg/L	02/28/2019		438
811	MW-2A	Solids, Total Dissolved	mg/L	05/13/2019		436
811	MW-2A	Solids, Total Dissolved	mg/L	08/23/2019		434
811	MW-2A	Solids, Total Dissolved	mg/L	11/14/2019		412
811	MW-2A	Solids, Total Dissolved	mg/L	02/25/2020		444
811	MW-2A	Solids, Total Dissolved	mg/L	05/27/2020		495
811	MW-2A	Solids, Total Dissolved	mg/L	08/19/2020		448
811	MW-2A	Solids, Total Dissolved	mg/L	11/30/2020		436
811	MW-2A	Solids, Total Dissolved	mg/L	02/25/2021		452
811	MW-2A	Solids, Total Dissolved	mg/L	05/12/2021		422
811	MW-2A	Solids, Total Dissolved	mg/L	08/18/2021		464
811	MW-2A	Solids, Total Dissolved	mg/L	11/19/2021		406
811	MW-2A	Solids, Total Dissolved	mg/L	05/10/2022		426
811	MW-2A	Solids, Total Dissolved	mg/L	08/30/2022		422
811	MW-2A	Solids, Total Dissolved	mg/L	11/30/2022		516
811	MW-2A	Solids, Total Dissolved	mg/L	05/30/2023		438
811	MW-2A	Solids, Total Dissolved	mg/L	08/25/2023		464
811	MW-2A	Solids, Total Dissolved	mg/L	11/08/2023		496
811	MW-2A	Solids, Total Dissolved	mg/L	05/23/2024		438

812	MW-8	Chloride Dissolved	mg/L	02/28/2019	<	7.5
812	MW-8	Chloride Dissolved	mg/L	05/13/2019		10
812	MW-8	Chloride Dissolved	mg/L	08/23/2019		9.8
812	MW-8	Chloride Dissolved	mg/L	11/14/2019		12
812	MW-8	Chloride Dissolved	mg/L	02/25/2020		18
812	MW-8	Chloride Dissolved	mg/L	05/27/2020		17
812	MW-8	Chloride Dissolved	mg/L	08/19/2020		14
812	MW-8	Chloride Dissolved	mg/L	11/30/2020		15
812	MW-8	Chloride Dissolved	mg/L	02/25/2021		10
812	MW-8	Chloride Dissolved	mg/L	05/12/2021		14
812	MW-8	Chloride Dissolved	mg/L	08/18/2021		12
812	MW-8	Chloride Dissolved	mg/L	11/19/2021		9.2
812	MW-8	Chloride Dissolved	mg/L	02/15/2022		9.7
812	MW-8	Chloride Dissolved	mg/L	05/10/2022		12
812	MW-8	Chloride Dissolved	mg/L	08/30/2022		13
812	MW-8	Chloride Dissolved	mg/L	11/30/2022		26
812	MW-8	Chloride Dissolved	mg/L	02/21/2023		13
812	MW-8	Chloride Dissolved	mg/L	05/30/2023		11
812	MW-8	Chloride Dissolved	mg/L	08/25/2023		9.6
812	MW-8	Chloride Dissolved	mg/L	11/08/2023		5.9
812	MW-8	Chloride Dissolved	mg/L	02/14/2024		17
812	MW-8	Chloride Dissolved	mg/L	05/23/2024		13
				Mean		12.66818
				Standard Dev		4.168975

well	param	unit	sample_date	res	result
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	02/28/2019	<	0.14
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	05/13/2019	<	0.14
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	08/23/2019	<	0.15
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	11/14/2019	<	0.15
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	02/25/2020	<	0.15
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	05/27/2020	<	0.15
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	08/19/2020	<	0.15
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	11/30/2020	<	0.15
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	02/25/2021	<	0.15
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	05/12/2021	<	0.15
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	08/18/2021	<	0.15
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	11/19/2021	<	0.1
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	02/15/2022	<	0.1
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	05/10/2022	<	0.1
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	08/30/2022	<	0.1
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	11/30/2022	<	0.11
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	02/21/2023	<	0.11
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	05/30/2023	<	0.11
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	08/25/2023	<	0.11
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	11/08/2023	<	0.11
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	02/14/2024	<	0.11
812 MW-8	Nitrogen, Ammonia Dissolved	mg/L	05/23/2024	<	0.11
			Mean		0.127273
			Standard Dev		0.021359

812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/28/2019	5.7
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/13/2019	3.9
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/23/2019	3.6
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/14/2019	4.7
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2020	12
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/27/2020	14
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/19/2020	18
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2020	16
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2021	4.9
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/12/2021	11
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/18/2021	9.3
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/19/2021	7.3
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/15/2022	0.79
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/10/2022	4.9
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/30/2022	4.3
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2022	2.6
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/21/2023	2.4
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/30/2023	5.8
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/25/2023	0.37
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/08/2023	0.19
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/14/2024	5.8
812 MW-8	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/23/2024	2.3
			Mean	6.356818
			Standard Dev	4.893995

well		param	unit	sample_date	res	result
812	MW-8	Nitrogen, Organic Dissolved	mg/L	02/28/2019		0.19
812	MW-8	Nitrogen, Organic Dissolved	mg/L	05/13/2019	<	0.14
812	MW-8	Nitrogen, Organic Dissolved	mg/L	08/23/2019		0.18
812	MW-8	Nitrogen, Organic Dissolved	mg/L	11/14/2019		0.3
812	MW-8	Nitrogen, Organic Dissolved	mg/L	02/25/2020		0.36
812	MW-8	Nitrogen, Organic Dissolved	mg/L	05/27/2020	<	0.18
812	MW-8	Nitrogen, Organic Dissolved	mg/L	08/19/2020		0.2
812	MW-8	Nitrogen, Organic Dissolved	mg/L	11/30/2020	<	0.18
812	MW-8	Nitrogen, Organic Dissolved	mg/L	02/25/2021	<	0.18
812	MW-8	Nitrogen, Organic Dissolved	mg/L	05/12/2021	<	0.18
812	MW-8	Nitrogen, Organic Dissolved	mg/L	08/18/2021		0.34
812	MW-8	Nitrogen, Organic Dissolved	mg/L	11/19/2021	<	0.25
812	MW-8	Nitrogen, Organic Dissolved	mg/L	02/15/2022	<	0.25
812	MW-8	Nitrogen, Organic Dissolved	mg/L	05/10/2022	<	0.25
812	MW-8	Nitrogen, Organic Dissolved	mg/L	08/30/2022		0.42
812	MW-8	Nitrogen, Organic Dissolved	mg/L	11/30/2022		0.66
812	MW-8	Nitrogen, Organic Dissolved	mg/L	02/21/2023		0.78
812	MW-8	Nitrogen, Organic Dissolved	mg/L	05/30/2023		0.54
812	MW-8	Nitrogen, Organic Dissolved	mg/L	08/25/2023	<	0.35
812	MW-8	Nitrogen, Organic Dissolved	mg/L	11/08/2023	<	0.35
812	MW-8	Nitrogen, Organic Dissolved	mg/L	02/14/2024	<	0.35
812	MW-8	Nitrogen, Organic Dissolved	mg/L	05/23/2024	<	0.35
				Mean		0.317273
				Standard Dev		0.160657
812	MW-8	pH Field	su	02/28/2019		6.8
812	MW-8	pH Field	su	05/13/2019		6.5
812	MW-8	pH Field	su	08/23/2019		6.4
812	MW-8	pH Field	su	11/14/2019		6.2
812	MW-8	pH Field	su	02/25/2020		6.3
812	MW-8	pH Field	su	05/27/2020		6.5
812	MW-8	pH Field	su	08/19/2020		6.7
812	MW-8	pH Field	su	11/30/2020		7.1
812	MW-8	pH Field	su	02/25/2021		6.4
812	MW-8	pH Field	su	05/12/2021		6.5
812	MW-8	pH Field	su	08/18/2021		7.1
812	MW-8	pH Field	su	11/19/2021		6.5
812	MW-8	pH Field	su	02/15/2022		6.5
812	MW-8	pH Field	su	05/10/2022		6.9
812	MW-8	pH Field	su	08/30/2022		6.9
812	MW-8	pH Field	su	11/30/2022		6.7
812	MW-8	pH Field	su	02/21/2023		6.8
812	MW-8	pH Field	su	05/30/2023		6.8
812	MW-8	pH Field	su	08/25/2023		7.2
812	MW-8	pH Field	su	11/08/2023		7.5
812	MW-8	pH Field	su	02/14/2024		7.6
812	MW-8	pH Field	su	05/23/2024		7.4
				Mean		6.786364

well	param	unit	sample_date	res	result
812 MW-8	Solids, Total Dissolved	mg/L	02/28/2019		366
812 MW-8	Solids, Total Dissolved	mg/L	05/13/2019		364
812 MW-8	Solids, Total Dissolved	mg/L	08/23/2019		400
812 MW-8	Solids, Total Dissolved	mg/L	11/14/2019		372
812 MW-8	Solids, Total Dissolved	mg/L	02/25/2020		418
812 MW-8	Solids, Total Dissolved	mg/L	05/27/2020		460
812 MW-8	Solids, Total Dissolved	mg/L	08/19/2020		442
812 MW-8	Solids, Total Dissolved	mg/L	11/30/2020		430
812 MW-8	Solids, Total Dissolved	mg/L	02/25/2021		410
812 MW-8	Solids, Total Dissolved	mg/L	05/12/2021		390
812 MW-8	Solids, Total Dissolved	mg/L	08/18/2021		418
812 MW-8	Solids, Total Dissolved	mg/L	11/19/2021		336
812 MW-8	Solids, Total Dissolved	mg/L	02/15/2022		366
812 MW-8	Solids, Total Dissolved	mg/L	05/10/2022		414
812 MW-8	Solids, Total Dissolved	mg/L	08/30/2022		346
812 MW-8	Solids, Total Dissolved	mg/L	11/30/2022		442
812 MW-8	Solids, Total Dissolved	mg/L	02/21/2023		486
812 MW-8	Solids, Total Dissolved	mg/L	05/30/2023		402
812 MW-8	Solids, Total Dissolved	mg/L	08/25/2023		432
812 MW-8	Solids, Total Dissolved	mg/L	11/08/2023		338
812 MW-8	Solids, Total Dissolved	mg/L	02/14/2024		398
812 MW-8	Solids, Total Dissolved	mg/L	05/23/2024		454
			Mean		403.8182
			Standard Dev		40.08132

814 MW-10	Chloride Dissolved	mg/L	02/28/2019		31
814 MW-10	Chloride Dissolved	mg/L	05/13/2019		14
814 MW-10	Chloride Dissolved	mg/L	08/23/2019		18
814 MW-10	Chloride Dissolved	mg/L	11/14/2019		22
814 MW-10	Chloride Dissolved	mg/L	02/25/2020		14
814 MW-10	Chloride Dissolved	mg/L	05/27/2020		12
814 MW-10	Chloride Dissolved	mg/L	08/19/2020		18
814 MW-10	Chloride Dissolved	mg/L	11/30/2020		27
814 MW-10	Chloride Dissolved	mg/L	02/25/2021		22
814 MW-10	Chloride Dissolved	mg/L	05/12/2021		11
814 MW-10	Chloride Dissolved	mg/L	08/18/2021		13
814 MW-10	Chloride Dissolved	mg/L	11/19/2021		21
814 MW-10	Chloride Dissolved	mg/L	02/15/2022		14
814 MW-10	Chloride Dissolved	mg/L	05/10/2022	<	4.7
814 MW-10	Chloride Dissolved	mg/L	08/30/2022		9.1
814 MW-10	Chloride Dissolved	mg/L	11/30/2022		6.9
814 MW-10	Chloride Dissolved	mg/L	02/21/2023		24
814 MW-10	Chloride Dissolved	mg/L	05/30/2023		5.5
814 MW-10	Chloride Dissolved	mg/L	08/25/2023		57
814 MW-10	Chloride Dissolved	mg/L	11/08/2023		41
814 MW-10	Chloride Dissolved	mg/L	02/14/2024		9.9
814 MW-10	Chloride Dissolved	mg/L	05/23/2024		4.5

well		param	unit	sample_date	res	result
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	02/28/2019	<	0.14
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	05/13/2019	<	0.14
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	08/23/2019	<	0.15
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	11/14/2019	<	0.15
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	02/25/2020	<	0.15
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	05/27/2020	<	0.15
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	08/19/2020	<	0.15
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	11/30/2020	<	0.15
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	02/25/2021	<	0.15
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	05/12/2021	<	0.15
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	08/18/2021	<	0.15
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	11/19/2021	<	0.1
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	02/15/2022	<	0.1
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	05/10/2022	<	0.1
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	08/30/2022	<	0.1
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	11/30/2022	<	0.11
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	02/21/2023		0.15
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	05/30/2023	<	0.11
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	08/25/2023	<	0.11
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	11/08/2023	<	0.11
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	02/14/2024	<	0.11
814	MW-10	Nitrogen, Ammonia Dissolved	mg/L	05/23/2024	<	0.11

814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/28/2019		0.18
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/13/2019		0.15
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/23/2019	<	0.11
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/14/2019		0.19
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2020		0.12
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/27/2020	<	0.11
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/19/2020	<	0.1
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2020	<	0.07
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2021	<	0.07
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/12/2021	<	0.11
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/18/2021	<	0.11
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/19/2021	<	0.11
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/15/2022	<	0.07
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/10/2022		0.04
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/30/2022		0.05
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2022	<	0.05
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/21/2023	<	0.05
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/30/2023		0.17
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/25/2023	<	0.05
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/08/2023	<	0.05
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/14/2024	<	0.05
814	MW-10	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/23/2024	<	0.05

well	param	unit	sample_date	res	result
814 MW-10	Nitrogen, Organic Dissolved	mg/L	02/28/2019		0.24
814 MW-10	Nitrogen, Organic Dissolved	mg/L	05/13/2019	<	0.14
814 MW-10	Nitrogen, Organic Dissolved	mg/L	08/23/2019		0.25
814 MW-10	Nitrogen, Organic Dissolved	mg/L	11/14/2019		0.34
814 MW-10	Nitrogen, Organic Dissolved	mg/L	02/25/2020	<	0.18
814 MW-10	Nitrogen, Organic Dissolved	mg/L	05/27/2020	<	0.18
814 MW-10	Nitrogen, Organic Dissolved	mg/L	08/19/2020		0.33
814 MW-10	Nitrogen, Organic Dissolved	mg/L	11/30/2020	<	0.18
814 MW-10	Nitrogen, Organic Dissolved	mg/L	02/25/2021	<	0.18
814 MW-10	Nitrogen, Organic Dissolved	mg/L	05/12/2021	<	0.18
814 MW-10	Nitrogen, Organic Dissolved	mg/L	08/18/2021		0.56
814 MW-10	Nitrogen, Organic Dissolved	mg/L	11/19/2021	<	0.25
814 MW-10	Nitrogen, Organic Dissolved	mg/L	02/15/2022	<	0.25
814 MW-10	Nitrogen, Organic Dissolved	mg/L	05/10/2022	<	0.25
814 MW-10	Nitrogen, Organic Dissolved	mg/L	08/30/2022		0.53
814 MW-10	Nitrogen, Organic Dissolved	mg/L	11/30/2022		0.85
814 MW-10	Nitrogen, Organic Dissolved	mg/L	02/21/2023		0.65
814 MW-10	Nitrogen, Organic Dissolved	mg/L	05/30/2023		0.52
814 MW-10	Nitrogen, Organic Dissolved	mg/L	08/25/2023	<	0.35
814 MW-10	Nitrogen, Organic Dissolved	mg/L	11/08/2023		0.39
814 MW-10	Nitrogen, Organic Dissolved	mg/L	02/14/2024	<	0.35
814 MW-10	Nitrogen, Organic Dissolved	mg/L	05/23/2024	<	0.35

814 MW-10	pH Field	su	02/28/2019	6.7
814 MW-10	pH Field	su	05/13/2019	6.3
814 MW-10	pH Field	su	08/23/2019	6.4
814 MW-10	pH Field	su	11/14/2019	6.3
814 MW-10	pH Field	su	02/25/2020	6.4
814 MW-10	pH Field	su	05/27/2020	6.6
814 MW-10	pH Field	su	08/19/2020	6.6
814 MW-10	pH Field	su	11/30/2020	6.7
814 MW-10	pH Field	su	02/25/2021	6.4
814 MW-10	pH Field	su	05/12/2021	6.4
814 MW-10	pH Field	su	08/18/2021	6.9
814 MW-10	pH Field	su	11/19/2021	6.5
814 MW-10	pH Field	su	02/15/2022	6.4
814 MW-10	pH Field	su	05/10/2022	6.8
814 MW-10	pH Field	su	08/30/2022	6.8
814 MW-10	pH Field	su	11/30/2022	6.7
814 MW-10	pH Field	su	02/21/2023	6.7
814 MW-10	pH Field	su	05/30/2023	6.7
814 MW-10	pH Field	su	08/25/2023	7
814 MW-10	pH Field	su	11/08/2023	7.4
814 MW-10	pH Field	su	02/14/2024	7.5
814 MW-10	pH Field	su	05/23/2024	7.5

well		param	unit	sample_date	res	result
814	MW-10	Solids, Total Dissolved	mg/L	02/28/2019		412
814	MW-10	Solids, Total Dissolved	mg/L	05/13/2019		356
814	MW-10	Solids, Total Dissolved	mg/L	08/23/2019		424
814	MW-10	Solids, Total Dissolved	mg/L	11/14/2019		416
814	MW-10	Solids, Total Dissolved	mg/L	02/25/2020		416
814	MW-10	Solids, Total Dissolved	mg/L	05/27/2020		416
814	MW-10	Solids, Total Dissolved	mg/L	08/19/2020		450
814	MW-10	Solids, Total Dissolved	mg/L	11/30/2020		460
814	MW-10	Solids, Total Dissolved	mg/L	02/25/2021		430
814	MW-10	Solids, Total Dissolved	mg/L	05/12/2021		376
814	MW-10	Solids, Total Dissolved	mg/L	08/18/2021		356
814	MW-10	Solids, Total Dissolved	mg/L	11/19/2021		370
814	MW-10	Solids, Total Dissolved	mg/L	02/15/2022		386
814	MW-10	Solids, Total Dissolved	mg/L	05/10/2022		338
814	MW-10	Solids, Total Dissolved	mg/L	08/30/2022		368
814	MW-10	Solids, Total Dissolved	mg/L	11/30/2022		348
814	MW-10	Solids, Total Dissolved	mg/L	02/21/2023		282
814	MW-10	Solids, Total Dissolved	mg/L	05/30/2023		338
814	MW-10	Solids, Total Dissolved	mg/L	08/25/2023		510
814	MW-10	Solids, Total Dissolved	mg/L	11/08/2023		416
814	MW-10	Solids, Total Dissolved	mg/L	02/14/2024		362
814	MW-10	Solids, Total Dissolved	mg/L	05/23/2024		390

815	MW-11	Chloride Dissolved	mg/L	02/28/2019	<	7.5
815	MW-11	Chloride Dissolved	mg/L	05/13/2019	<	7.5
815	MW-11	Chloride Dissolved	mg/L	08/23/2019		8.7
815	MW-11	Chloride Dissolved	mg/L	11/14/2019	<	4.7
815	MW-11	Chloride Dissolved	mg/L	02/25/2020	<	4.7
815	MW-11	Chloride Dissolved	mg/L	05/27/2020	<	4.7
815	MW-11	Chloride Dissolved	mg/L	08/19/2020	<	4.7
815	MW-11	Chloride Dissolved	mg/L	11/30/2020	<	4.7
815	MW-11	Chloride Dissolved	mg/L	02/25/2021	<	4.7
815	MW-11	Chloride Dissolved	mg/L	05/12/2021	<	4.7
815	MW-11	Chloride Dissolved	mg/L	08/18/2021	<	4.7
815	MW-11	Chloride Dissolved	mg/L	11/19/2021	<	4.7
815	MW-11	Chloride Dissolved	mg/L	02/15/2022		15
815	MW-11	Chloride Dissolved	mg/L	05/10/2022	<	4.7
815	MW-11	Chloride Dissolved	mg/L	08/30/2022		14
815	MW-11	Chloride Dissolved	mg/L	11/30/2022	<	2.9
815	MW-11	Chloride Dissolved	mg/L	02/21/2023	<	2.9
815	MW-11	Chloride Dissolved	mg/L	05/30/2023	<	2.9
815	MW-11	Chloride Dissolved	mg/L	11/08/2023		14
815	MW-11	Chloride Dissolved	mg/L	02/14/2024		3.7
815	MW-11	Chloride Dissolved	mg/L	05/23/2024	<	2.9

well	param	unit	sample_date	res	result
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	02/28/2019	<	0.14
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	05/13/2019	<	0.14
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	08/23/2019	<	0.15
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	11/14/2019	<	0.15
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	02/25/2020	<	0.15
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	05/27/2020	<	0.15
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	08/19/2020	<	0.15
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	11/30/2020	<	0.15
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	02/25/2021	<	0.15
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	05/12/2021	<	0.15
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	08/18/2021	<	0.15
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	11/19/2021	<	0.1
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	02/15/2022	<	0.1
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	05/10/2022	<	0.1
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	08/30/2022	<	0.1
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	11/30/2022	<	0.11
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	02/21/2023	<	0.11
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	05/30/2023	<	0.11
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	11/08/2023	<	0.11
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	02/14/2024	<	0.11
815 MW-11	Nitrogen, Ammonia Dissolved	mg/L	05/23/2024	<	0.11

815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/28/2019		0.17
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/13/2019		0.12
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/23/2019	<	0.11
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/14/2019		0.12
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2020	<	0.11
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/27/2020	<	0.11
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/19/2020	<	0.11
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2020		0.11
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2021	<	0.07
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/12/2021	<	0.11
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/18/2021	<	0.11
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/19/2021	<	0.11
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/15/2022	<	0.07
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/10/2022		0.05
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/30/2022	<	0.03
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2022		0.05
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/21/2023	<	0.05
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/30/2023		0.07
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/08/2023	<	0.05
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/14/2024	<	0.05
815 MW-11	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/23/2024	<	0.05

well		param	unit	sample_date	res	result
815	MW-11	Nitrogen, Organic Dissolved	mg/L	02/28/2019		0.25
815	MW-11	Nitrogen, Organic Dissolved	mg/L	05/13/2019	<	0.14
815	MW-11	Nitrogen, Organic Dissolved	mg/L	08/23/2019	<	0.18
815	MW-11	Nitrogen, Organic Dissolved	mg/L	11/14/2019		0.35
815	MW-11	Nitrogen, Organic Dissolved	mg/L	02/25/2020	<	0.18
815	MW-11	Nitrogen, Organic Dissolved	mg/L	05/27/2020	<	0.18
815	MW-11	Nitrogen, Organic Dissolved	mg/L	08/19/2020		0.24
815	MW-11	Nitrogen, Organic Dissolved	mg/L	11/30/2020		0.37
815	MW-11	Nitrogen, Organic Dissolved	mg/L	02/25/2021	<	0.18
815	MW-11	Nitrogen, Organic Dissolved	mg/L	05/12/2021	<	0.18
815	MW-11	Nitrogen, Organic Dissolved	mg/L	08/18/2021		0.4
815	MW-11	Nitrogen, Organic Dissolved	mg/L	11/19/2021	<	0.25
815	MW-11	Nitrogen, Organic Dissolved	mg/L	02/15/2022		0.25
815	MW-11	Nitrogen, Organic Dissolved	mg/L	05/10/2022	<	0.25
815	MW-11	Nitrogen, Organic Dissolved	mg/L	08/30/2022		0.43
815	MW-11	Nitrogen, Organic Dissolved	mg/L	11/30/2022		0.83
815	MW-11	Nitrogen, Organic Dissolved	mg/L	02/21/2023		0.89
815	MW-11	Nitrogen, Organic Dissolved	mg/L	05/30/2023		0.67
815	MW-11	Nitrogen, Organic Dissolved	mg/L	11/08/2023	<	0.35
815	MW-11	Nitrogen, Organic Dissolved	mg/L	02/14/2024	<	0.35
815	MW-11	Nitrogen, Organic Dissolved	mg/L	05/23/2024	<	0.35

815	MW-11	pH Field	su	02/28/2019		6.8
815	MW-11	pH Field	su	05/13/2019		6.3
815	MW-11	pH Field	su	08/23/2019		6.5
815	MW-11	pH Field	su	11/14/2019		6.2
815	MW-11	pH Field	su	02/25/2020		6.2
815	MW-11	pH Field	su	05/27/2020		6.4
815	MW-11	pH Field	su	08/19/2020		6.7
815	MW-11	pH Field	su	11/30/2020		6.8
815	MW-11	pH Field	su	02/25/2021		6.4
815	MW-11	pH Field	su	05/12/2021		6.5
815	MW-11	pH Field	su	08/18/2021		7
815	MW-11	pH Field	su	11/19/2021		6.6
815	MW-11	pH Field	su	02/15/2022		6.4
815	MW-11	pH Field	su	05/10/2022		6.9
815	MW-11	pH Field	su	08/30/2022		6.7
815	MW-11	pH Field	su	11/30/2022		6.6
815	MW-11	pH Field	su	02/21/2023		6.7
815	MW-11	pH Field	su	05/30/2023		6.8
815	MW-11	pH Field	su	11/08/2023		7.5
815	MW-11	pH Field	su	02/14/2024		7.5
815	MW-11	pH Field	su	05/23/2024		7.6

well		param	unit	sample_date	res result
815	MW-11	Solids, Total Dissolved	mg/L	02/28/2019	240
815	MW-11	Solids, Total Dissolved	mg/L	05/13/2019	160
815	MW-11	Solids, Total Dissolved	mg/L	08/23/2019	312
815	MW-11	Solids, Total Dissolved	mg/L	11/14/2019	158
815	MW-11	Solids, Total Dissolved	mg/L	02/25/2020	216
815	MW-11	Solids, Total Dissolved	mg/L	05/27/2020	178
815	MW-11	Solids, Total Dissolved	mg/L	08/19/2020	256
815	MW-11	Solids, Total Dissolved	mg/L	11/30/2020	156
815	MW-11	Solids, Total Dissolved	mg/L	02/25/2021	260
815	MW-11	Solids, Total Dissolved	mg/L	05/12/2021	158
815	MW-11	Solids, Total Dissolved	mg/L	08/18/2021	176
815	MW-11	Solids, Total Dissolved	mg/L	11/19/2021	232
815	MW-11	Solids, Total Dissolved	mg/L	02/15/2022	378
815	MW-11	Solids, Total Dissolved	mg/L	05/10/2022	136
815	MW-11	Solids, Total Dissolved	mg/L	08/30/2022	286
815	MW-11	Solids, Total Dissolved	mg/L	11/30/2022	234
815	MW-11	Solids, Total Dissolved	mg/L	02/21/2023	160
815	MW-11	Solids, Total Dissolved	mg/L	05/30/2023	188
815	MW-11	Solids, Total Dissolved	mg/L	11/08/2023	394
815	MW-11	Solids, Total Dissolved	mg/L	02/14/2024	236
815	MW-11	Solids, Total Dissolved	mg/L	05/23/2024	164
816	MW-12	Chloride Dissolved	mg/L	02/28/2019	33
816	MW-12	Chloride Dissolved	mg/L	05/13/2019	34
816	MW-12	Chloride Dissolved	mg/L	08/23/2019	36
816	MW-12	Chloride Dissolved	mg/L	11/14/2019	31
816	MW-12	Chloride Dissolved	mg/L	02/25/2020	28
816	MW-12	Chloride Dissolved	mg/L	05/27/2020	38
816	MW-12	Chloride Dissolved	mg/L	08/19/2020	36
816	MW-12	Chloride Dissolved	mg/L	11/30/2020	56
816	MW-12	Chloride Dissolved	mg/L	02/25/2021	34
816	MW-12	Chloride Dissolved	mg/L	05/12/2021	27
816	MW-12	Chloride Dissolved	mg/L	08/18/2021	31
816	MW-12	Chloride Dissolved	mg/L	11/19/2021	36
816	MW-12	Chloride Dissolved	mg/L	05/10/2022	24
816	MW-12	Chloride Dissolved	mg/L	08/30/2022	27
816	MW-12	Chloride Dissolved	mg/L	11/30/2022	31
816	MW-12	Chloride Dissolved	mg/L	05/30/2023	17
816	MW-12	Chloride Dissolved	mg/L	08/25/2023	30
816	MW-12	Chloride Dissolved	mg/L	11/08/2023	35
816	MW-12	Chloride Dissolved	mg/L	05/23/2024	32

well		param	unit	sample_date	res	result
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	02/28/2019	<	0.14
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	05/13/2019	<	0.14
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	08/23/2019	<	0.15
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	11/14/2019	<	0.15
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	02/25/2020	<	0.15
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	05/27/2020	<	0.15
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	08/19/2020	<	0.15
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	11/30/2020	<	0.15
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	02/25/2021	<	0.15
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	05/12/2021	<	0.15
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	08/18/2021	<	0.15
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	11/19/2021	<	0.1
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	05/10/2022	<	0.1
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	08/30/2022	<	0.1
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	11/30/2022	<	0.11
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	05/30/2023	<	0.11
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	08/25/2023	<	0.11
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	11/08/2023	<	0.11
816	MW-12	Nitrogen, Ammonia Dissolved	mg/L	05/23/2024	<	0.11

816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/28/2019		5.1
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/13/2019		5.2
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/23/2019		7.4
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/14/2019		6.6
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2020		6.1
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/27/2020		4.6
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/19/2020		3.8
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2020		9.2
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2021		7
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/12/2021		7.5
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/18/2021		9
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/19/2021		5.9
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/10/2022		7.3
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/30/2022		7.1
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2022		7.1
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/30/2023		5.3
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/25/2023		8.8
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/08/2023		11
816	MW-12	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/23/2024		9.7

well	param	unit	sample_date	res	result
816 MW-12	Nitrogen, Organic Dissolved	mg/L	02/28/2019		0.42
816 MW-12	Nitrogen, Organic Dissolved	mg/L	05/13/2019	<	0.14
816 MW-12	Nitrogen, Organic Dissolved	mg/L	08/23/2019		0.3
816 MW-12	Nitrogen, Organic Dissolved	mg/L	11/14/2019		0.52
816 MW-12	Nitrogen, Organic Dissolved	mg/L	02/25/2020	<	0.18
816 MW-12	Nitrogen, Organic Dissolved	mg/L	05/27/2020		0.18
816 MW-12	Nitrogen, Organic Dissolved	mg/L	08/19/2020		0.3
816 MW-12	Nitrogen, Organic Dissolved	mg/L	11/30/2020		0.25
816 MW-12	Nitrogen, Organic Dissolved	mg/L	02/25/2021		0.2
816 MW-12	Nitrogen, Organic Dissolved	mg/L	05/12/2021	<	0.18
816 MW-12	Nitrogen, Organic Dissolved	mg/L	08/18/2021	<	0.25
816 MW-12	Nitrogen, Organic Dissolved	mg/L	11/19/2021	<	0.25
816 MW-12	Nitrogen, Organic Dissolved	mg/L	05/10/2022	<	0.25
816 MW-12	Nitrogen, Organic Dissolved	mg/L	08/30/2022		0.46
816 MW-12	Nitrogen, Organic Dissolved	mg/L	11/30/2022		0.91
816 MW-12	Nitrogen, Organic Dissolved	mg/L	05/30/2023		0.74
816 MW-12	Nitrogen, Organic Dissolved	mg/L	08/25/2023	<	0.35
816 MW-12	Nitrogen, Organic Dissolved	mg/L	11/08/2023	<	0.35
816 MW-12	Nitrogen, Organic Dissolved	mg/L	05/23/2024	<	0.35

816 MW-12	pH Field	su	02/28/2019	6.7
816 MW-12	pH Field	su	05/13/2019	6.4
816 MW-12	pH Field	su	08/23/2019	6.4
816 MW-12	pH Field	su	11/14/2019	6.8
816 MW-12	pH Field	su	02/25/2020	6.4
816 MW-12	pH Field	su	05/27/2020	6.5
816 MW-12	pH Field	su	08/19/2020	6.7
816 MW-12	pH Field	su	11/30/2020	6.7
816 MW-12	pH Field	su	02/25/2021	6.2
816 MW-12	pH Field	su	05/12/2021	6.6
816 MW-12	pH Field	su	08/18/2021	6.9
816 MW-12	pH Field	su	11/19/2021	6.4
816 MW-12	pH Field	su	05/10/2022	6.8
816 MW-12	pH Field	su	08/30/2022	6.8
816 MW-12	pH Field	su	11/30/2022	6.5
816 MW-12	pH Field	su	05/30/2023	6.6
816 MW-12	pH Field	su	08/25/2023	7.1
816 MW-12	pH Field	su	11/08/2023	7.5
816 MW-12	pH Field	su	05/23/2024	7.4

well		param	unit	sample_date	res result
816	MW-12	Solids, Total Dissolved	mg/L	02/28/2019	498
816	MW-12	Solids, Total Dissolved	mg/L	05/13/2019	498
816	MW-12	Solids, Total Dissolved	mg/L	08/23/2019	552
816	MW-12	Solids, Total Dissolved	mg/L	11/14/2019	548
816	MW-12	Solids, Total Dissolved	mg/L	02/25/2020	512
816	MW-12	Solids, Total Dissolved	mg/L	05/27/2020	524
816	MW-12	Solids, Total Dissolved	mg/L	08/19/2020	457
816	MW-12	Solids, Total Dissolved	mg/L	11/30/2020	628
816	MW-12	Solids, Total Dissolved	mg/L	02/25/2021	514
816	MW-12	Solids, Total Dissolved	mg/L	05/12/2021	466
816	MW-12	Solids, Total Dissolved	mg/L	08/18/2021	504
816	MW-12	Solids, Total Dissolved	mg/L	11/19/2021	464
816	MW-12	Solids, Total Dissolved	mg/L	05/10/2022	482
816	MW-12	Solids, Total Dissolved	mg/L	08/30/2022	472
816	MW-12	Solids, Total Dissolved	mg/L	11/30/2022	480
816	MW-12	Solids, Total Dissolved	mg/L	05/30/2023	390
816	MW-12	Solids, Total Dissolved	mg/L	08/25/2023	462
816	MW-12	Solids, Total Dissolved	mg/L	11/08/2023	514
816	MW-12	Solids, Total Dissolved	mg/L	05/23/2024	518

817	MW-13	Chloride Dissolved	mg/L	02/28/2019	36
817	MW-13	Chloride Dissolved	mg/L	05/13/2019	32
817	MW-13	Chloride Dissolved	mg/L	08/23/2019	36
817	MW-13	Chloride Dissolved	mg/L	11/14/2019	58
817	MW-13	Chloride Dissolved	mg/L	02/25/2020	35
817	MW-13	Chloride Dissolved	mg/L	05/27/2020	34
817	MW-13	Chloride Dissolved	mg/L	08/19/2020	40
817	MW-13	Chloride Dissolved	mg/L	11/30/2020	44
817	MW-13	Chloride Dissolved	mg/L	02/25/2021	34
817	MW-13	Chloride Dissolved	mg/L	05/12/2021	27
817	MW-13	Chloride Dissolved	mg/L	08/18/2021	30
817	MW-13	Chloride Dissolved	mg/L	11/19/2021	37
817	MW-13	Chloride Dissolved	mg/L	02/15/2022	36
817	MW-13	Chloride Dissolved	mg/L	05/10/2022	31
817	MW-13	Chloride Dissolved	mg/L	08/30/2022	33
817	MW-13	Chloride Dissolved	mg/L	11/30/2022	47
817	MW-13	Chloride Dissolved	mg/L	02/21/2023	44
817	MW-13	Chloride Dissolved	mg/L	05/30/2023	36
817	MW-13	Chloride Dissolved	mg/L	08/25/2023	37
817	MW-13	Chloride Dissolved	mg/L	11/08/2023	37
817	MW-13	Chloride Dissolved	mg/L	02/14/2024	42
817	MW-13	Chloride Dissolved	mg/L	05/23/2024	50

well	param	unit	sample_date	res	result
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	02/28/2019	<	0.14
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	05/13/2019	<	0.14
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	08/23/2019	<	0.15
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	11/14/2019	<	0.15
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	02/25/2020	<	0.15
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	05/27/2020	<	0.15
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	08/19/2020	<	0.15
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	11/30/2020	<	0.15
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	02/25/2021	<	0.15
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	05/12/2021	<	0.15
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	08/18/2021	<	0.15
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	11/19/2021	<	0.1
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	02/15/2022	<	0.1
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	05/10/2022	<	0.1
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	08/30/2022	<	0.1
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	11/30/2022	<	0.11
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	02/21/2023	<	0.11
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	05/30/2023	<	0.11
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	08/25/2023	<	0.11
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	11/08/2023	<	0.11
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	02/14/2024	<	0.11
817 MW-13	Nitrogen, Ammonia Dissolved	mg/L	05/23/2024	<	0.11

817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/28/2019	7.9
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/13/2019	8.1
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/23/2019	5.8
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/14/2019	4.7
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2020	5.1
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/27/2020	4.9
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/19/2020	4.4
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2020	4
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/25/2021	5.3
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/12/2021	4.7
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/18/2021	4.6
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/19/2021	4.4
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/15/2022	5.1
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/10/2022	3.5
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/30/2022	4.9
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/30/2022	4.5
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/21/2023	5.8
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/30/2023	6.3
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	08/25/2023	6.7
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	11/08/2023	7.5
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	02/14/2024	5.2
817 MW-13	Nitrogen, Nitrite + Nitrate (as N) Dissolved	mg/L	05/23/2024	4

well	param	unit	sample_date	res	result
817 MW-13	Nitrogen, Organic Dissolved	mg/L	02/28/2019		0.28
817 MW-13	Nitrogen, Organic Dissolved	mg/L	05/13/2019	<	0.14
817 MW-13	Nitrogen, Organic Dissolved	mg/L	08/23/2019		0.36
817 MW-13	Nitrogen, Organic Dissolved	mg/L	11/14/2019		0.4
817 MW-13	Nitrogen, Organic Dissolved	mg/L	02/25/2020		0.24
817 MW-13	Nitrogen, Organic Dissolved	mg/L	05/27/2020		0.18
817 MW-13	Nitrogen, Organic Dissolved	mg/L	08/19/2020		0.33
817 MW-13	Nitrogen, Organic Dissolved	mg/L	11/30/2020		0.26
817 MW-13	Nitrogen, Organic Dissolved	mg/L	02/25/2021		0.21
817 MW-13	Nitrogen, Organic Dissolved	mg/L	05/12/2021	<	0.18
817 MW-13	Nitrogen, Organic Dissolved	mg/L	08/18/2021		0.25
817 MW-13	Nitrogen, Organic Dissolved	mg/L	11/19/2021	<	0.25
817 MW-13	Nitrogen, Organic Dissolved	mg/L	02/15/2022		0.27
817 MW-13	Nitrogen, Organic Dissolved	mg/L	05/10/2022	<	0.25
817 MW-13	Nitrogen, Organic Dissolved	mg/L	08/30/2022		0.48
817 MW-13	Nitrogen, Organic Dissolved	mg/L	11/30/2022		0.9
817 MW-13	Nitrogen, Organic Dissolved	mg/L	02/21/2023		0.92
817 MW-13	Nitrogen, Organic Dissolved	mg/L	05/30/2023		0.77
817 MW-13	Nitrogen, Organic Dissolved	mg/L	08/25/2023	<	0.35
817 MW-13	Nitrogen, Organic Dissolved	mg/L	11/08/2023		0.36
817 MW-13	Nitrogen, Organic Dissolved	mg/L	02/14/2024	<	0.35
817 MW-13	Nitrogen, Organic Dissolved	mg/L	05/23/2024	<	0.35

817 MW-13	pH Field	su	02/28/2019	6.6
817 MW-13	pH Field	su	05/13/2019	6.3
817 MW-13	pH Field	su	08/23/2019	6.2
817 MW-13	pH Field	su	11/14/2019	6.9
817 MW-13	pH Field	su	02/25/2020	6.3
817 MW-13	pH Field	su	05/27/2020	6.5
817 MW-13	pH Field	su	08/19/2020	6.8
817 MW-13	pH Field	su	11/30/2020	6.7
817 MW-13	pH Field	su	02/25/2021	6.3
817 MW-13	pH Field	su	05/12/2021	6.4
817 MW-13	pH Field	su	08/18/2021	6.9
817 MW-13	pH Field	su	11/19/2021	6.4
817 MW-13	pH Field	su	02/15/2022	6.4
817 MW-13	pH Field	su	05/10/2022	6.8
817 MW-13	pH Field	su	08/30/2022	6.7
817 MW-13	pH Field	su	11/30/2022	6.5
817 MW-13	pH Field	su	02/21/2023	6.6
817 MW-13	pH Field	su	05/30/2023	6.6
817 MW-13	pH Field	su	08/25/2023	7
817 MW-13	pH Field	su	11/08/2023	7.4
817 MW-13	pH Field	su	02/14/2024	7.5
817 MW-13	pH Field	su	05/23/2024	7.4

well	param	unit	sample_date	res result
817 MW-13	Solids, Total Dissolved	mg/L	02/28/2019	550
817 MW-13	Solids, Total Dissolved	mg/L	05/13/2019	510
817 MW-13	Solids, Total Dissolved	mg/L	08/23/2019	582
817 MW-13	Solids, Total Dissolved	mg/L	11/14/2019	590
817 MW-13	Solids, Total Dissolved	mg/L	02/25/2020	526
817 MW-13	Solids, Total Dissolved	mg/L	05/27/2020	556
817 MW-13	Solids, Total Dissolved	mg/L	08/19/2020	516
817 MW-13	Solids, Total Dissolved	mg/L	11/30/2020	594
817 MW-13	Solids, Total Dissolved	mg/L	02/25/2021	540
817 MW-13	Solids, Total Dissolved	mg/L	05/12/2021	498
817 MW-13	Solids, Total Dissolved	mg/L	08/18/2021	518
817 MW-13	Solids, Total Dissolved	mg/L	11/19/2021	576
817 MW-13	Solids, Total Dissolved	mg/L	02/15/2022	506
817 MW-13	Solids, Total Dissolved	mg/L	05/10/2022	544
817 MW-13	Solids, Total Dissolved	mg/L	08/30/2022	598
817 MW-13	Solids, Total Dissolved	mg/L	11/30/2022	512
817 MW-13	Solids, Total Dissolved	mg/L	02/21/2023	484
817 MW-13	Solids, Total Dissolved	mg/L	05/30/2023	540
817 MW-13	Solids, Total Dissolved	mg/L	08/25/2023	532
817 MW-13	Solids, Total Dissolved	mg/L	11/08/2023	536
817 MW-13	Solids, Total Dissolved	mg/L	02/14/2024	540
817 MW-13	Solids, Total Dissolved	mg/L	05/23/2024	592