

**State Disposal System**

**MN0021661**

**Permittee:** City of Pequot Lakes  
**Facility name:** Pequot Lakes Wastewater Treatment Facility  
**City:** Pequot Lakes **County:** Crow Wing  
**Issuance date:** TBD  
**Expiration date:** TBD

The state of Minnesota, on behalf of its citizens through the Minnesota Pollution Control Agency (MPCA), authorizes the Permittee to operate a disposal system at the facility named above, in accordance with the requirements of this permit.

The goal of this permit is to reduce pollutant levels in point source discharges and protect water quality in accordance with the U.S. Clean Water Act, Minnesota statutes and rules, and federal laws and regulations.

This permit expires at midnight on the expiration date identified above.

Signature:

*[Type e-Signature]*

*This document has been electronically signed.*

*for the Minnesota Pollution Control Agency*

Steven Weiss  
Supervisor  
North Central Regional Unit  
Municipal Division

## Resources

Submit electronic Discharge Monitoring Reports (eDMR) via the MPCA e-Services at:

[https://rsp.pca.state.mn.us/TEMPO\\_RSP/Orchestrate.do?initiate=true](https://rsp.pca.state.mn.us/TEMPO_RSP/Orchestrate.do?initiate=true)

Submit documents electronically to [wq.submittals.mPCA@state.mn.us](mailto:wq.submittals.mPCA@state.mn.us). **Note:** The Water quality submittals form located at <https://www.pca.state.mn.us/sites/default/files/wq-wwprm7-71.docx> must be attached.

For eDMR and other permit reporting issues, use the directory listed at the bottom of the Discharge Monitoring Report page: <https://www.pca.state.mn.us/water/discharge-monitoring-reports>

For specific permit requirements, contact your compliance staff: <https://www.pca.state.mn.us/water/wastewater-compliance-and-enforcement-staff-contacts>

For wastewater permit program general questions, contact the MPCA at 651-282-6143 or 800-657-3938, or reference the permit user's manual at <https://www.pca.state.mn.us/sites/default/files/wq-wwtp7-09.pdf>.

Additional guidance and resources are located at: <https://www.pca.state.mn.us/water/wastewater>.

A printable summary of sampling requirements can be found at: <https://www.pca.state.mn.us/water/wastewater-permit-submittal-checklists>.

A printable checklist of submittals can be found at: <https://www.pca.state.mn.us/water/wastewater-permit-submittal-checklists>

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## 1. Permitted facility description

The Pequot Lakes Wastewater Treatment Facility (facility) is located at 4798 Derksen Road, Pequot Lakes, Minnesota 56472, Crow Wing County.

The facility discharges from WS 002 to land via spray irrigation. The facility is a Class D.

The facility is designed to treat:

- an average wet-weather (AWW) flow of 0.122 million gallons per day (mgd)
- five-day biochemical oxygen demand (BOD<sub>5</sub>) of 254 pounds per day (lbs/day)
- total suspended solids (TSS) of 304 lbs/day
- total nitrogen (TN) of 25.4 lbs/day

The facility consists of approximately 3,630 feet of 6-inch force main, a two cell aerated pond system having a maximum high water level of 13 feet with 2 feet of biosolids storage. The size of each pond at the mean operating depth of 7.5 feet is 4.32 acres with a total storage volume of about 30,983,000 gallons providing a combined detention time of 254 days at design flow, and 2 spray irrigation sites totaling 56.6 acres of row irrigation. Maximum allowed flow to the spray irrigation site is 45 million gallons per year.

The preliminary determination to reissue this wastewater permit is tentative.

## 2. Location map of permitted facility

### Facility Location Map

#### MN0021661: Pequot Lakes Wastewater Treatment Facility

T136N, R29W, Section 23

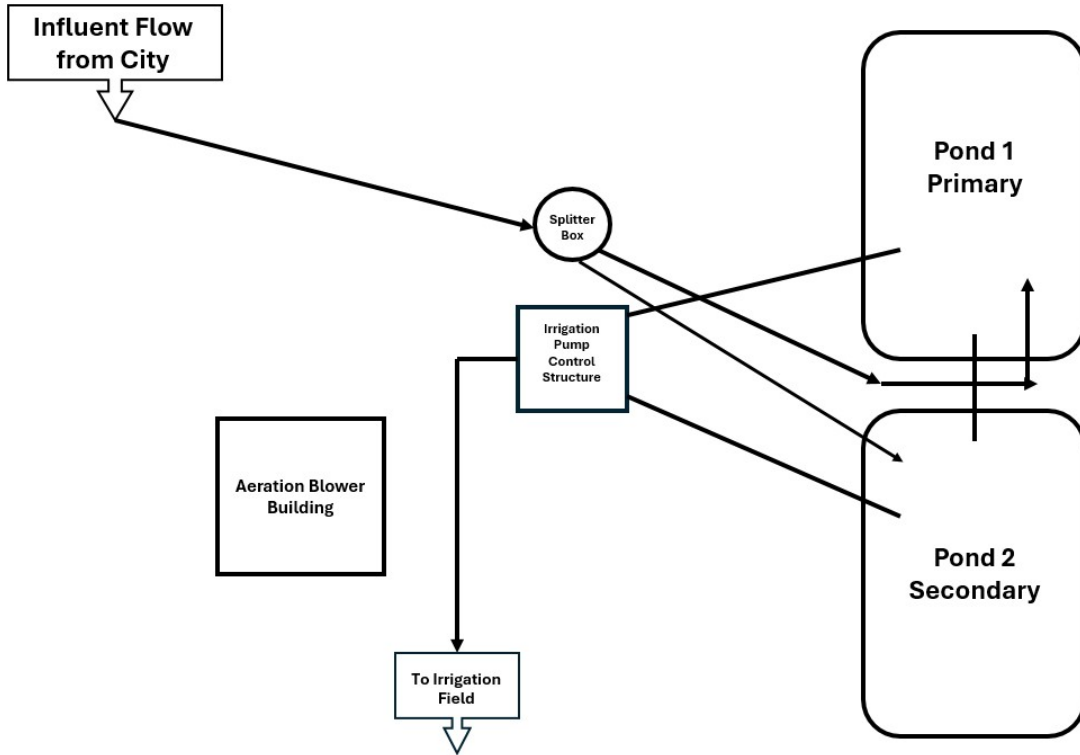
Pequot Lakes, Crow Wing County, Minnesota



Map produced by: MPCA Staff, 4/29/2026  
Scale: 1:10,000

0 0.1 0.2 0.4 Miles

3. Flow diagram



**4. Summary of stations and station locations**

Station	Type of station	Local name	PLS location
GW 004	Well, Downgradient	GW Monitoring - SW Pond	T136N, R29W, S14, SE Quarter of the SW Quarter
GW 005	Well, Downgradient	GW Monitoring - NW Pond	T136N, R29W, S14, SE Quarter of the SW Quarter
GW 006	Well, Upgradient	GW Monitoring - SE Pond	T136N, R29W, S14, SE Quarter of the SW Quarter
GW 010	Well, Upgradient	GW Monitoring - NE Pond	T136N, R29W, S14, SE Quarter of the SW Quarter
LA 304	Spray Irrigation Site, Domestic	South Derksen Road - 45.3 acres	T136N, R29W, S23, NW Quarter
LA 305	Spray Irrigation Site, Domestic	North Derksen Road - 11.3 acres	T136N, R29W, S14, SW Quarter
WS 001	Influent Waste	Influent Waste Stream	T136N, R29W, S14, SW Quarter of the SE Quarter
WS 002	Internal Waste Stream	Effluent Prior to Spray Site	T136N, R29W, S14, SW Quarter of the SE Quarter
WS 006	Intermediate: WW to Land	Intermediate: WW to Land South Derksen Road	T136N, R29W, S23, NE Quarter of the NW Quarter
WS 007	Intermediate: WW to Land	Intermediate: WW to Land - North Derksen Road	T136N, R29W, S14, SW Quarter of the SE Quarter

5. Permit requirements

<b>GW 004</b>	Well, Downgradient	
		<b>Groundwater Well: Monitoring Requirements</b>
	5.1.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.1.2	<b>Sampling Location.</b> [Minn. R. 7001.0150, subp. 2(B)]
	5.1.3	Samples for Station GW 004 shall be taken at groundwater monitoring well #4. [Minn. R. 7001.0150, subp. 2(B)]
<b>GW 005</b>	Well, Downgradient	
		<b>Groundwater Well: Monitoring Requirements</b>
	5.2.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2.2	<b>Sampling Location.</b> [Minn. R. 7001.0150, subp. 2(B)]
	5.2.3	Samples for Station GW 005 shall be taken at groundwater monitoring well #5. [Minn. R. 7001.0150, subp. 2(B)]
<b>GW 006</b>	Well, Upgradient	
		<b>Groundwater Well: Monitoring Requirements</b>
	5.3.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.3.2	<b>Sampling Location.</b> [Minn. R. 7001.0150, subp. 2(B)]
	5.3.3	Samples for Station GW 006 shall be taken at groundwater monitoring well #6. [Minn. R. 7001.0150, subp. 2(B)]
<b>GW 010</b>	Well, Upgradient	
		<b>Groundwater Well: Monitoring Requirements</b>
	5.4.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.4.2	<b>Sampling Location.</b> [Minn. R. 7001.0150, subp. 2(B)]
	5.4.3	Samples for Station GW 010 shall be taken at groundwater monitoring well #10. [Minn. R. 7001.0150, subp. 2(B)]
<b>WS 001</b>	Influent Waste	
		<b>Waste Stream: Spray Irrigation Influent Requirements</b>
	5.5.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.5.2	<b>Sampling Location.</b> [Minn. R. 7001.0150, subp. 2(B)]
	5.5.3	Influent grab and composite samples for station WS 001 shall be collected in the sewer system prior to the primary cell. [Minn. R. 7001.0150, subp. 2(B)]

<b>WS 002</b>	Internal Waste Stream	
		<b>Waste Stream: Spray Irrigation Pond Effluent Requirements</b>
	5.6.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.6.2	<b>Sampling Location.</b> [Minn. R. 7001.0150, subp. 2(B)]
	5.6.3	Samples for Station WS 002 shall be taken at a point representative of the discharge from the stabilization ponds but prior to the spray irrigation sites. [Minn. R. 7001.0150, subp. 2(B)]
<b>WS 006</b>	Intermediate: WW to Land	
		<b>Waste Stream: Spray Irrigation to Spray Site Requirements</b>
	5.7.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.7.2	<b>Sampling Location.</b> [Minn. R. 7001.0150, subp. 2(B)]
	5.7.3	Samples for Station WS 006 shall be representative of the effluent sprayed to the 45.3-acre South Derksen Road spray site. [Minn. R. 7001.0150, subp. 2(B)]
<b>WS 007</b>	Intermediate: WW to Land	
		<b>Waste Stream: Spray Irrigation to Spray Site Requirements</b>
	5.8.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.8.2	<b>Sampling Location.</b> [Minn. R. 7001.0150, subp. 2(B)]
	5.8.3	Samples for Station WS 007 shall be representative of the effluent sprayed to the 11.3-acre North Derksen Road spray site. [Minn. R. 7001.0150, subp. 2(B)]
<b>MN0021661</b>	Pequot Lakes WWTP	
		<b>Groundwater Station General Requirements</b>
	5.9.1	<b>Sampling Collection and Reporting.</b> [Minn. R. 7001]
	5.9.2	The Permittee shall submit monitoring results in accordance with the limits and monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on Discharge Monitoring Report (DMR) and shall add a Comments attachment to the DMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp 2(B)]
	5.9.3	<b>Monitoring Wells.</b> [Minn. R. 7001]
	5.9.4	The Permittee shall install, maintain, and abandon the groundwater monitoring wells according to the Minnesota Water Well Construction Code, Minn. R. 4725. For example, wells must have a watertight, locked cap or a wrench-tightened, threaded metal cap. Damaged or improperly constructed monitoring wells shall be repaired or properly abandoned and replaced. Information on licensed water well contractors is available from the Minnesota Department of Health. [Minn. R. 4725]
	5.9.5	Each monitoring well shall be clearly numbered on the outside of the well with either indelible paint or an inscribed number. [Minn. R. 7001]

5.9.6	The monitoring wells shall be sampled in accordance with Minnesota Pollution Control Agency, Water Quality Division: Sampling Procedures for Ground Water Monitoring Wells, July 1997, Reviewed and re-approved September 2006 or any updates to this document. A copy of this publication is available on the MPCA's website at <a href="https://www.pca.state.mn.us/business-with-us/engineering-and-technical-information-for-construction-or-expansion">https://www.pca.state.mn.us/business-with-us/engineering-and-technical-information-for-construction-or-expansion</a> . [Minn. R. 7001]
5.9.7	Grab samples shall be collected at all groundwater monitoring points after stabilization tests are conducted. [Minn. R. 7001]
5.9.8	Prior to well purging and sampling, depths to groundwater shall be measured to the nearest 0.01 foot below the top of the well casing, and groundwater elevations shall be reported to the nearest 0.01 foot above mean sea level. [Minn. R. 7001]
5.9.9	Temperature, specific conductance, and pH shall be reported as the final field measurements from well stabilization. [Minn. R. 7001]
	<b>Waste Stream Station General Requirements</b>
5.10.10	<b>Sampling Collection and Reporting.</b> [Minn. R. 7001]
5.10.11	The Permittee shall submit monitoring results in accordance with the limits and monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on Discharge Monitoring Report (DMR) and shall add a Comments attachment to the DMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp 2(B)]
5.10.12	Influent monitoring for parameters with a frequency of once per quarter and an effective period of Mar, Jun, Sep, Dec can be sampled any time during that calendar quarter. The Permittee must report the monitoring results on the Sample Values in the month they conducted the monitoring and on the eDMR at the end of the quarter. (e.g. The Permittee shall report the sample for the first calendar quarter of Jan-Mar on the Sample Values in the month the sample is collected and on the March eDMR). [Minn. R. 7001]
	<b>Aerated Pond System</b>
5.11.13	<b>Bypass Structures.</b> [Minn. R. 7001]
5.11.14	All structures capable of bypassing the treatment system shall be manually controlled and kept locked at all times. [Minn. R. 7001.0150, Subp. 3(F)]
5.11.15	<b>Sanitary Sewer Extension Permit.</b> [Minn. R. 7001]
5.11.16	The Permittee may be required to obtain a sanitary sewer extension permit from the MPCA for any addition, extension, or replacement to the sanitary sewer. If a sewer extension permit is required, construction may not begin until plans and specifications have been submitted and a written permit is granted except as allowed in Minn. Stat. 115.07, subd. 3b. [Minn. R. 7001.0150, Subp. 3(F)]
5.11.17	<b>Operator Certification.</b> [Minn. R. 7001]
5.11.18	The Permittee shall provide a Class D state certified operator who maintains direct responsibility of the operation, maintenance, and testing functions required to ensure compliance with the terms and conditions of this permit. [Minn. R. 9400.0400, Subp. 1(A)]
5.11.19	If the Permittee chooses to meet operator certification requirements through a contractual agreement, the Permittee shall provide a copy of the contract to the MPCA, WQ Submittals Center. The contract shall include:  A. The certified operator's name, certificate number, company name (if appropriate), and the period covered by the contract and provisions for renewal; B. The duties and responsibilities of the certified operator; C. The duties and responsibilities of the Permittee; and D. Provisions for notifying the MPCA 30 days in advance of termination if the contract is terminated prior to the expiration date. [Minn. R. 9400]

5.11.20	The Permittee shall notify the MPCA within 30 days of a change in operator certification or contract status. [Minn. R. 7001.0150, Subp. 3(F)]
5.11.21	<b>Pond Observations.</b> [Minn. R. 7001]
5.11.22	The Permittee shall inspect the aerated pond system at a minimum frequency of once per week and shall: A. Take measurements of the pond water depth; B. Estimate the coverage of aquatic plants, floating mats, and ice cover on the surface of the pond(s); and C. Note odors, the condition of the dikes, and the presence of rodents. The Permittee shall maintain records of these weekly inspections for the last three years and submit the results as an attachment to the eDMR. [Minn. R. 7001.0150, Subp. 3(F)]
	<b>Spray Irrigation</b>
5.12.23	<b>Authorization.</b> [Minn. R. 7001]
5.12.24	This section authorizes the Permittee to apply treated wastewater to spray irrigation sites using a spray irrigation system. This activity is limited by the Limits and Monitoring section of this permit, as well as the other terms and conditions of this permit. [Minn. R. 7001.0150, subp. 3(F)]
5.12.25	<b>Wastewater Spray Irrigation System Management.</b> [Minn. R. 7001]
5.12.26	Wastewater to the spray irrigation site(s) shall not have physical or chemical characteristics that prevent the proper operation of the land disposal system. The wastewater shall be free of material that interferes with the operation of nozzles, orifices, or flow measurement devices. [Minn. R. 7001.0150, subp. 3(F)]
5.12.27	Wastewater shall be applied so as not to harm vegetation and so that prolonged saturated soil conditions do not develop due to the application. Wastewater shall not be applied during precipitation periods. [Minn. R. 7001.0150, subp. 3(F)]
5.12.28	Irrigation shall only occur at the spray irrigation site(s) when the crop adequately covers the soil to protect it from erosion and the possibility of runoff. In general, for perennial cover crops, such as hay or forest, the soil is considered adequately covered during the allowed irrigation window of April through November (unless the crop was recently planted). Irrigation may proceed during these months as long as the ground is not saturated or frozen.  For most annual crops, such as corn, soybeans and small grains, the soil is not adequately covered during the spring months. In general, the soil is considered adequately covered from mid-June through October. Irrigation may proceed during these months as long as the ground is not saturated. [Minn. R. 7001.0150, subp. 3(F)]
5.12.29	Wastewater shall not be applied after the cover crop has become dormant as a result of frost or below freezing temperatures. [Minn. R. 7001.0150, subp. 3(F)]
5.12.30	The Permittee shall prevent the surface runoff of wastewater and precipitation runoff mixed with wastewater from the spray irrigation site(s). [Minn. R. 7001.0150, subp. 3(F)]
5.12.31	If odor or aerosol drift resulting from operation of the wastewater disposal system creates a nuisance condition, the Permittee shall immediately take appropriate action to control or abate the odor or aerosol drift. The Permittee shall notify the MPCA of a nuisance condition within five days of discovery. [Minn. R. 7001.0150, subp. 3(F)]
5.12.32	Tile inlets shall be capped during spray irrigation events. [Minn. R. 7001.0150, subp. 3(F)]
5.12.33	Best management practices shall be utilized for all crops. The Permittee shall utilize the facility's Operation and Maintenance Manual, the Spray Irrigation Management Plan (only if one is required), and the most recent recommendations of the University of Minnesota Extension for managing nitrogen for crop production on irrigated soils. Soil test results shall be utilized for fertilizer recommendations. [Minn. R. 7001.0150, subp. 3(F)]

5.12.34	If a Spray Irrigation Management Plan has been prepared for the facility, any changes or updates to the plan must be reported to the MPCA with the Municipal Spray Irrigation Annual Report. The updated plan shall be kept on-site and made available upon request. [Minn. R. 7001.0150, subp. 3(F)]
5.12.35	<b>Spray Irrigation Outside of Acceptable Spray Irrigation Periods.</b> [Minn. R. 7001]
5.12.36	If conditions require spray irrigation outside of the effective period designated in the Limits and Monitoring section of this permit or if an emergency condition exists, the Permittee shall submit a Spray Irrigation/Rapid Infiltration Basin Discharge Not Authorized Within Permit form to the MPCA.  The form is located on the MPCA's website at <a href="https://www.pca.state.mn.us/business-with-us/wastewater-operator-resources">https://www.pca.state.mn.us/business-with-us/wastewater-operator-resources</a> . The form shall be submitted to the MPCA at least two weeks prior to needing to spray irrigate. [Minn. R. 7001.0150, subp. 3(F)]
5.12.37	<b>Sampling Frequency.</b> [Minn. R. 7001]
5.12.38	Sampling is required only during periods of discharge to the spray irrigation site(s). If there is no discharge during the reporting period, the Permittee shall check the "No Discharge" box on the eDMR. [Minn. R. 7001.0150, subp. 3(F)]
5.12.39	<b>Reporting.</b> [Minn. R. 7001]
5.12.40	The Permittee shall submit a municipal spray irrigation annual report : Due by January 21 of each year following permit issuance. [Minn. R. 7001.0150, subp. 3(F)]
5.12.41	The Municipal Spray Irrigation Annual Report is located on the MPCA's website at <a href="https://www.pca.state.mn.us/business-with-us/wastewater-operator-resources">https://www.pca.state.mn.us/business-with-us/wastewater-operator-resources</a> . [Minn. R. 7001.0150, subp. 3(F)]
5.12.42	The Permittee shall submit the Municipal Spray Irrigation Annual Report to the MPCA, WQ Submittals Center. [Minn. R. 7001.0150, subp. 3(F)]
	<b>Spray Irrigation: Soils</b>
5.13.43	<b>Sampling Location.</b> [Minn. R. 7001]
5.13.44	Samples for station LA 304 shall be taken at the South Derksen Road Site which is 45.3 acres. Samples for station LA 305 shall be taken at the North Derksen Road Site which is 11.3 acres. [Minn. R. 7001.0150, subp. 2(B)]
5.13.45	<b>Soil Samples.</b> [Minn. R. 7001]
5.13.46	Soil samples shall be taken in the spring before the first irrigation and before the first application of commercial or other supplemental fertilizer for that year. [Minn. R. 7001.0150, subp. 2(B)]
5.13.47	Soil samples shall be a composite of a mixture of 15 to 20 equally proportioned subsamples taken from a 0- to 8-inch core. At least one composite sample shall be collected for each 40 acres on the permitted land application site. [Minn. R. 7001.0150, subp. 2(B)]
5.13.48	<b>Application Rates.</b> [Minn. R. 7001]
5.13.49	The nitrogen land application rate limit applies to the sum of all sources of nitrogen applied to a permitted application site. [Minn. R. 7001.0150, subp. 3(F)]
5.13.50	If nitrogen is applied to a permitted land application site from other sources including commercial fertilizer, manure, silage, sewage, or wastewater treatment solids and sludges, then these other nitrogen sources shall be included in the sum of nitrogen applied to determine compliance with application rate limits at that site. [Minn. R. 7001.0150, subp. 3(F)]
5.13.51	The nitrogen application rate shall be calculated as the sum of the total annual mass Kjeldahl nitrogen and nitrate plus nitrite nitrogen applied to each individual irrigation site divided by the acreage of the site. [Minn. R. 7001.0150, subp. 3(F)]

	<b>Pretreatment: Nondelegated Requirements</b>
5.14.52	<b>Definitions.</b> [Minn. R. 7049]
5.14.53	"Individual Control Mechanism" means a document, such as an agreement or permit, which imposes limitations or requirements on an individual industrial user of the publicly owned treatment works (POTW). [Minn. R. 7049]
5.14.54	"Significant Industrial User" (SIU) means any industrial user that:  A. Is subject to Categorical Pretreatment Standards, as defined in Minn. R. 7049.0120, subp. 5; B. Discharges 25,000 gallons per day or more of process wastewater, excluding sanitary, noncontact cooling, or boiler blowdown wastewater, to the POTW; C. Contributes a process wastewater containing five percent or more of the flow or load of any pollutant of concern to the POTW; or D. Is designated as significant by the Permittee or the MPCA on the basis that the industrial user has a reasonable potential to adversely impact the POTW's operation or violate any pretreatment standard or requirement. [Minn. R. 7049]
5.14.55	<b>Permittee Responsibility to Control Users.</b> [Minn. R. 7049]
5.14.56	It is the Permittee's responsibility to regulate the discharge from users of its POTW. The Permittee shall prevent any pass through of pollutants or any inhibition or disruption of the Permittee's POTW, its treatment processes, or its sludge processes or disposal that contribute to the violation of the conditions of this permit or any federal or state law or regulation limiting the release of pollutants from the POTW. [Minn. R. 7049]
5.14.57	The Permittee shall prohibit the discharge of the following to its POTW:  A. Pollutants that create a fire or explosion hazard, including any discharge with a flash point less than 60 degrees C (140 degrees F); B. Pollutants that will cause corrosive structural damage to the POTW, including any waste stream with a pH of less than 5.0; C. Solid or viscous pollutants which would obstruct flow; D. Any pollutant, including oxygen-demanding pollutants such as biochemical oxygen demand, released at a flow rate or pollutant concentration that will cause interference or pass-through; E. Heat that would inhibit biological activity, including any discharge that would cause the temperature of the waste stream at the POTW treatment plant headwork's to exceed 40 degrees C (104 degrees F); F. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that would cause interference or pass-through; and G. Pollutants that produce toxic gases, vapors, or fumes that may endanger the health or safety of workers. [Minn. R. 7049]
5.14.58	The Permittee shall prohibit new discharges of non-contact cooling waters unless there is no cost effective alternative. Existing discharges of non-contact cooling water to the Permittee's POTW shall be eliminated, where elimination is cost effective, or where an infiltration/inflow analysis and sewer system evaluation survey indicates the need for such removal. [Minn. R. 7049]
5.14.59	If the Permittee accepts trucked-in wastes, the Permittee shall evaluate the trucked-in wastes prior to acceptance in the same manner as it monitors sewered wastes. The Permittee shall accept trucked-in wastes only at specifically designated points. [Minn. R. 7049]

5.14.60	<p>Pollutant of concern means a pollutant that is or may be discharged by an industrial user that is or reasonably should be of concern on the basis that it may cause the Permittee to violate any permit limits on the release of pollutants. The following pollutants shall be evaluated to determine if they should be pollutants of concern:</p> <p>A. Pollutants limited in this permit;                  B. Pollutants for which monitoring is required in this permit;                  C. Pollutants that are likely to cause inhibition of the Permittee's POTW;                  D. Pollutants which may interfere with sludge disposal; and                  E. Pollutants for which the Permittee's POTW has limited capacity. [Minn. R. 7049]</p>
5.14.61	<p><b>Control of Significant Industrial Users.</b> [Minn. R. 7049]</p>
5.14.62	<p>The Permittee shall impose pretreatment requirements on SIUs to ensure compliance with all applicable effluent limitations and other requirements set forth in this permit or any federal or state law or regulation limiting the release of pollutants from the POTW. These requirements shall be applied to SIUs by means of an individual control mechanism. [Minn. R. 7049]</p>
5.14.63	<p>The Permittee shall not knowingly enter into an individual control mechanism with any user that would allow the user to contribute an amount or strength of wastewater that would cause violation of any limitation or requirement in the permit, or any applicable federal, state, or local law or regulation. [Minn. R. 7049]</p>
5.14.64	<p><b>Monitoring of Significant Industrial Users.</b> [Minn. R. 7049]</p>
5.14.65	<p>The Permittee shall obtain specific information from SIUs on the quality and quantity of the SIU's discharges to the Permittee's POTW. Except where specifically requested by the Permittee and approved by the MPCA, this information shall be obtained by means of representative monitoring conducted by the Permittee or by the SIU under requirements imposed by the Permittee in the SIU's individual control mechanism. Monitoring performed to comply with this requirement shall include all pollutants for which the SIU is significant and shall be done at a frequency commensurate with the significance of the SIU. [Minn. R. 7049]</p>
5.14.66	<p><b>Reporting and Notifications.</b> [Minn. R. 7049]</p>
5.14.67	<p>The Permittee shall submit a pretreatment annual report : Due by 31 days after the end of each calendar year following permit issuance if a SIU discharges to the POTW during a given calendar year. [Minn. R. 7049]</p>
5.14.68	<p>The Permittee shall submit the Pretreatment Annual Report found on the MPCA's website at <a href="https://www.pca.state.mn.us/business-with-us/wastewater-pretreatment">https://www.pca.state.mn.us/business-with-us/wastewater-pretreatment</a> or shall provide equivalent information. [Minn. R. 7049]</p>
5.14.69	<p>The Permittee shall submit the Pretreatment Annual Report to the MPCA, WQ Submittals Center. [Minn. R. 7049]</p>
5.14.70	<p>The Permittee shall notify the MPCA in writing of any of the following:</p> <p>A. Any SIU of the Permittee's POTW which has not been previously disclosed to the MPCA;                  B. Anticipated or actual changes in the volume or quality of discharge by an industrial user that could result in the industrial user becoming an SIU as defined in this section; or                  C. Anticipated or actual changes in the volume or quality of discharges by a SIU that would require changes to the SIU's required local limits.</p> <p>This notification shall be submitted within 30 days of identifying the industrial user as a SIU. Where changes are proposed, they shall be submitted prior to changes being made. [Minn. R. 7049]</p>

5.14.71	<p>Upon notifying the MPCA of a SIU or change in a SIU discharge as required above, the Permittee shall submit the following information using the forms found on the MPCA's website at <a href="https://www.pca.state.mn.us/water/wastewater-pretreatment">https://www.pca.state.mn.us/water/wastewater-pretreatment</a> or in a comparable format:</p> <p>A. The identity of the SIU and a description of the SIU's operation and process;          B. A characterization of the SIU's discharge;          C. The required local limits that will be imposed on the SIU;          D. A technical justification of the required local limits; and          E. A plan for monitoring the SIU which is consistent with monitoring requirements in this section. [Minn. R. 7049]</p>
5.14.72	<p>In addition, the Permittee shall, upon request, submit the following to the MPCA for approval:</p> <p>A. Additional information on the SIU, its processes, and discharge;          B. A copy of the individual control mechanism used to control the SIU;          C. The Permittee's legal authority to be used for regulating the SIU; and          D. The Permittee's procedures for enforcing the requirements imposed on the SIU. [Minn. R. 7049]</p>
5.14.73	<p>The Permittee shall notify the MPCA of any of its industrial users that may be subject to National Categorical Pretreatment Standards. [Minn. R. 7049]</p>
5.14.74	<p>This permit may be modified in accordance with Minn. R. ch. 7001 to require development of a pretreatment program approvable under the Federal General Pretreatment Regulation (40 CFR 403). [Minn. R. 7049]</p>
	<p><b>Total Facility Requirements (SDS)</b></p>
5.15.75	<p><b>No Discharge.</b> There shall be no point source discharge to surface water from the permitted activity. [Minn. R. 7001]</p>
5.15.76	<p><b>Definitions.</b> Refer to the Permit User's Manual found on the MPCA's website at <a href="https://www.pca.state.mn.us/sites/default/files/wq-wwtp7-09.pdf">https://www.pca.state.mn.us/sites/default/files/wq-wwtp7-09.pdf</a> for standard definitions. [Minn. R. 7001]</p>
5.15.77	<p><b>Incorporation by Reference.</b> This permit incorporates the following applicable federal and state laws applicable to the Permittee and enforceable parts of this permit: 40 CFR pts. 122.41, 122.42, 136, 403 and 503; Minn. R. chs. 7001, 7041, 7045, 7050, 7052, 7053, 7060, and 7080; and Minn. Stat. chs. 115 and 116. [Minn. R. 7001]</p>
5.15.78	<p><b>Permittee Responsibility.</b> The Permittee shall perform the actions or conduct the activity authorized by this permit in compliance with the conditions of the permit and, if required, in accordance with the plans and specifications approved by the MPCA. [Minn. R. 7001.0150, subp. 3(E)]</p>
5.15.79	<p><b>Toxic Discharges Prohibited.</b> Whether or not this permit includes effluent limitations for toxic pollutants, the Permittee shall not discharge a toxic pollutant except according to 40 CFR pts. 400 to 460 and Minn. R. chs. 7050, 7052, 7053 and any other applicable MPCA rules. [Minn. R. 7001.1090, subp. 1(A)]</p>
5.15.80	<p><b>Nuisance Conditions Prohibited.</b> The Permittee's discharge shall not cause any nuisance conditions including, but not limited to: floating solids, scum and visible oil film, excessive suspended solids, material discoloration, obnoxious odors, gas ebullition, deleterious sludge deposits, undesirable slimes or fungus growths, aquatic habitat degradation, excessive growths of aquatic plants, acutely toxic conditions to aquatic life, or other adverse impact on the receiving water. [Minn. R. 7050.0210, subp. 2]</p>
5.15.81	<p><b>Property Rights.</b> This permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, subp. 3(C)]</p>
5.15.82	<p><b>Liability Exemption.</b> In issuing this permit, the State and the MPCA assume no responsibility for damage to persons, property, or the environment caused by the activities of the Permittee in the conduct of its actions, including those activities authorized, directed, or undertaken under this permit. To the extent the State and the MPCA may be liable for the activities of its employees, that liability is explicitly limited to that provided in the Tort Claims Act. [Minn. R. 7001.0150, subp. 3(O)]</p>

5.15.83	The MPCA's issuance of this permit does not obligate the MPCA to enforce local laws, rules, or plans beyond what Minnesota statutes authorize. [Minn. R. 7001.0150, subp. 3(D)]
5.15.84	<b>Liabilities.</b> The MPCA's issuance of this permit does not release the Permittee from any liability, penalty, or duty imposed by Minnesota or federal statutes or rules or local ordinances, except the obligation to obtain the permit. [Minn. R. 7001.0150, subp. 3(A)]
5.15.85	The issuance of this permit does not prevent the future adoption by the MPCA of pollution control rules, standards, or orders more stringent than those now in existence and does not prevent the enforcement of these rules, standards, or orders against the Permittee. [Minn. R. 7001.0150, subp. 3(B)]
5.15.86	<b>Severability.</b> The provisions of this permit are severable and, if any provisions of this permit or the application of any provision of this permit to any circumstance are held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby. [Minn. R. 7001]
5.15.87	<b>Compliance with Other Rules and Statutes.</b> The Permittee shall comply with all applicable air quality, solid waste, and hazardous waste statutes and rules in the operation and maintenance of the facility. [Minn. R. 7001]
5.15.88	<b>Inspection and Entry.</b> When authorized by Minn. Stat. ch. 115.04, 115B.17, subd. 4, and 116.091, and upon presentation of proper credentials, the Permittee shall allow the MPCA, or an authorized employee or agent of the MPCA, to enter at reasonable times upon the property of the Permittee to examine and copy books, papers, records, or memoranda pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit; and to conduct surveys and investigations, including sampling or monitoring, pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit. [Minn. R. 7001.0150, subp. 3(I)]
5.15.89	<b>Control Users.</b> The Permittee shall regulate the users of its facility to prevent the introduction of pollutants or materials that may result in the inhibition or disruption of the conveyance system, treatment facility or processes, or disposal system that would contribute to the violation of the conditions of this permit or any federal, state, or local law or regulation. [Minn. R. 7001.0150, subp. 3(F)]
5.15.90	<b>Sampling.</b> [Minn. R. 7001]
5.15.91	<b>Representative Sampling.</b> The Permittee shall conduct samples and measurements required by this permit as specified in this permit and shall be representative of the discharge or monitored activity. [Minn. R. 7001.0150, subp. 2(B)]
5.15.92	<b>Additional Sampling.</b> If the Permittee monitors more frequently than required, they shall report the results and the frequency of monitoring on their eDMR for that reporting period. [Minn. R. 7001.1090, subp. 1(E)]
5.15.93	<b>Certified/Accredited Laboratory.</b> A laboratory accredited by the Minnesota Department of Health [Minn. R. 4740.2010 through Minn. R. 4740.2120] and/or certified by the MPCA [Minn. R. 7001.4310 through Minn. R. 7001.4390] shall conduct analyses required by this permit, unless approved in writing by the MPCA. A certified/accredited laboratory does not need to complete analyses of dissolved oxygen, pH, temperature, specific conductance, and total residual oxidants (chlorine, bromine). Those analyses shall comply with 40 CFR pt. 136. Dissolved oxygen, pH, and total residual oxidants must be performed on-site. Follow the manufacturer's specifications for equipment maintenance and use. [Minn. R. 4740.2010-4740.2120, Minn. R. 7001.4310-7001.4390]
5.15.94	<b>Sample Preservation and Procedure.</b> Sample preservation and test procedures for the analysis of pollutants shall conform to 40 CFR pt. 136 and Minn. R. 7041.3200. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7041.3200]
5.15.95	<b>Equipment Calibration.</b> The Permittee shall check and/or calibrate flow meters, pumps, flumes, lift stations, or other flow monitoring equipment used for purposes of determining compliance (within plus or minus ten percent of the true flow values) with permit requirements at least twice annually. [Minn. R. 7001.0150, subp. 2(B & C)]

5.15.96	<p><b>Maintain Records.</b> The Permittee shall keep the records required by this permit for at least three years, including any calculations, original recordings from automatic monitoring instruments, and laboratory sheets. The Permittee shall extend these record retention periods upon request of the MPCA. The Permittee shall maintain records for each sample and measurement. The records shall include the following information:</p> <ul style="list-style-type: none"><li>A. The exact place, date, and time of the sample or measurement;</li><li>B. The date and time of analysis;</li><li>C. The name of the person who performed the sample collection, measurement, analysis, or calculation;</li><li>D. The analytical techniques, procedures, and methods used; and</li><li>E. The results of the analysis. [Minn. R. 7001.0150, subp. 2(C)]</li></ul>
5.15.97	<p><b>Completing Reports.</b> The Permittee shall submit the results of the required sampling and monitoring activities on the forms provided, specified, or approved by the MPCA. The Permittee shall record the information in the specified areas on those forms and in the units specified.</p> <p>Required forms may include a Sample Values Form. If required, the Permittee shall record individual values for each sample and measurement on the Sample Values Form provided by the MPCA. The Permittee shall submit Sample Values Form with the appropriate eDMRs. The Permittee may design and use their own Sample Values Form; however, the Permittee shall not use their form until the MPCA reviews and approves the form.</p> <p>Note: The Permittee shall also record required summary information on their eDMR. Permittee submitted summary information contained only on the Sample Values Form does not comply with reporting requirements. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.1090, subp. 1(D)]</p>
5.15.98	<p><b>Submitting Reports.</b> The Permittee shall submit eDMRs, Sample Values Forms, and other supplemental attachment forms via MPCA e-Services after the MPCA approves their authorization request.</p> <p>The Permittee shall electronically submit eDMRs, Sample Values Forms, and other supplemental attachment forms by the 21st day of the month following the sampling period or otherwise as specified in this permit. The Permittee shall complete eDMR submittal on or before 11:59 p.m. of the 21st day of the month following the sampling period or as otherwise specified in this permit. The Permittee shall submit an eDMR for each required station even if no discharge occurred during the reporting period.</p> <p>The Permittee shall submit other reports required by this permit electronically. The Permittee shall submit reports by the date specified in this permit. The Permittee shall submit on or before 11:59 p.m. on the date specified in this permit.</p> <p>Electronically: wq.submittals.mpca@state.mn.us Include Water quality submittals form: <a href="http://www.pca.state.mn.us/sites/default/files/wq-wwprm7-71.docx">www.pca.state.mn.us/sites/default/files/wq-wwprm7-71.docx</a>. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(H)]</p>
5.15.99	<p><b>Incomplete or Incorrect Reports.</b> The Permittee shall immediately submit an electronically amended report or eDMR to the MPCA upon discovery by the Permittee or notification by the MPCA that it has submitted an incomplete or incorrect report or eDMR. The amended report or eDMR shall contain the missing or corrected data along with a comment on the eDMR explaining the circumstances of the incomplete or incorrect report. If it is impossible to amend the report or eDMR electronically, the Permittee shall immediately notify the MPCA and the MPCA will provide direction for the amendment submittals. [Minn. R. 7001.0150, subp. 3(G)]</p>

5.15.100	<p><b>Required Signatures.</b> The Permittee or the duly authorized representative of the Permittee shall sign all eDMRs, forms, reports, and other documents submitted to the MPCA per Minn. R. 7001.0150, subp. 2(D). The person or persons who sign the eDMRs, forms, reports, or other documents shall certify that he or she understands and complies with the certification requirements of Minn. R. chs. 7001.0070 and 7001.0540, including the penalties for submitting false information. A registered professional engineer shall certify technical documents, such as design drawings and specifications, and engineering studies submitted as part of a permit application or by permit conditions. [Minn. R. 7001.0540]</p>
5.15.101	<p><b>Reporting Limit (RL).</b> The Permittee shall report monitoring results below the RL of a particular instrument as "&lt;" the value of the RL. For example, if an instrument has a RL of 0.1 mg/L and a parameter is not detected at a value of 0.1 mg/L or greater, the Permittee shall report the concentration as "&lt; 0.1 mg/L." The Permittee shall not use "non-detected," "undetected," "below detection limit," or "zero" when reporting results. The MPCA considers these terms as permit reporting violations.</p> <p>Where sample values are less than the RL and the permit requires reporting of an average, the Permittee shall calculate the average as follows:</p> <ul style="list-style-type: none"><li>A. If some values are less than (&lt;) the RL, substitute zero for all non-detectable values to use in the average calculation;</li><li>B. If all values are less than (&lt;) the RL, calculate the average and report as &lt; the RL average concentration; and</li><li>C. To calculate a mass loading with a less than (&lt;) the RL concentration, use the RL value in the calculation and then add the "&lt;" to the product of the concentration and the volume. [Minn. R. 7001.0150, subp. 2(B)]</li></ul>
5.15.102	<p><b>Records.</b> The Permittee shall, when requested by the MPCA, submit within a reasonable time the information and reports that are relevant to the control of pollution regarding the construction, modification, or operation of the facility covered by the permit or regarding the conduct of the activity covered by the permit. [Minn. R. 7001.0150, subp. 3(H)]</p>
5.15.103	<p><b>Confidential Information.</b> Except for data determined to be confidential according to Minn. Stat. ch. 116.075, subd. 2, all reports required by this permit are available for public inspection. The MPCA does not consider effluent data confidential. To request the MPCA maintain data as confidential, the Permittee shall follow Minn. R. 7000.1300. [Minn. R. 7000.1300]</p>
5.15.104	<p><b>Noncompliance and Enforcement.</b> [Minn. R. 7001]</p>
5.15.105	<p><b>Subject to Enforcement Action and Penalties.</b> Noncompliance with a term or condition of this permit subjects the Permittee to penalties provided by federal and state law set forth in section 309 of the Clean Water Act; United States Code, title 33, section 1319, as amended; and in Minn. Stat. ch. 115.071 and 116.072, including monetary penalties, imprisonment, or both. [Minn. R. 7001.1090, subp. 1(B)]</p>
5.15.106	<p><b>Criminal Activity.</b> The Permittee shall not knowingly make a false statement, representation, or certification in a record or other document submitted to the MPCA. A person who falsifies a report or document submitted to the MPCA, or tampers with, or knowingly renders inaccurate a monitoring device or method that requires maintenance under this permit is subject to criminal and civil penalties provided by federal and state law. [Minn. R. 7001.0150, subp. 3(G), Minn. R. 7001.1090, subp. 1(G &amp; H), Minn. Stat. ch. 609.671, subd. 1]</p>
5.15.107	<p><b>Noncompliance Defense.</b> It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [40 CFR 122.41(c)]</p>

5.15.108	<p><b>Effluent Violations.</b> If sampling by the Permittee indicates a violation of any discharge limitation specified in this permit, the Permittee shall immediately make every effort to verify the violation by collecting additional samples, if appropriate, investigate the cause of the violation, and take action to prevent future violations.</p> <p>If the Permittee discovers that noncompliance with a condition of the permit occurred and that the noncompliance could endanger human health, public drinking water supplies, or the environment, the Permittee shall within 24 hours of the discovery of the noncompliance orally notify the Commissioner and submit a written description of the noncompliance within five days of the discovery.</p> <p>If the Permittee discovers other noncompliance that does not explicitly endanger human health, public drinking water supplies, or the environment, the Permittee shall report the description of noncompliance within 30 days of the discovery. If no eDMR is required within 30 days, the Permittee shall submit a written report including the description of noncompliance within 30 days of the discovery of the noncompliance. This description shall include the following information:</p> <ul style="list-style-type: none"><li>A. A description of the event including volume, duration, monitoring results, and receiving waters;</li><li>B. The cause of the event;</li><li>C. The steps taken to reduce, eliminate, and prevent reoccurrence of the event;</li><li>D. The exact dates and times of the event; and</li><li>E. Steps taken to reduce any adverse impact resulting from the event. [Minn. R. 7001.0150, subp. 3(K)]</li></ul>
5.15.109	<p><b>Upset Defense.</b> In the event of temporary noncompliance with applicable effluent limitation(s) resulting from an upset at the Permittee's facility due to factors beyond the control of the Permittee, the Permittee has an affirmative defense to an enforcement action brought by the MPCA as a result of the noncompliance if the Permittee demonstrates by a preponderance of competent evidence:</p> <ul style="list-style-type: none"><li>A. The specific cause of the upset;</li><li>B. That the upset was unintentional;</li><li>C. That the upset resulted from factors beyond the reasonable control of the Permittee and did not result from operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or increases in production which are beyond the design capability of the treatment facilities;</li><li>D. That at the time of the upset the facility was being properly operated;</li><li>E. That the Permittee properly notified the Commissioner of the upset in accordance with Minn. R. 7001.1090, subp. 1(I); and</li><li>F. That the Permittee implemented the remedial measures required by Minn. R. 7001.0150, subp. 3(J). [Minn. R. 7001.1090]</li></ul>
5.15.110	<p><b>Release.</b> [Minn. R. 7001]</p>
5.15.111	<p><b>Unauthorized Releases of Wastewater Prohibited.</b> This permit prohibits overflows, discharges, spills, or other releases of wastewater or materials to the environment, whether intentional or not, except for discharges from outfalls specifically authorized by this permit. The MPCA will consider the Permittee's compliance with permit requirements, frequency of release, quantity, type, location, and other relevant factors when determining appropriate action. [40 CFR 122.41, Minn. Stat. ch. 115.061]</p>

5.15.112	<p><b>Discovery of a Release.</b> Upon discovery of a release, the Permittee shall:</p> <ul style="list-style-type: none"><li>A. Take all reasonable steps to immediately end the release;</li><li>B. Notify the Minnesota Department of Public Safety Duty Officer at 800-422-0798 or 651-649-5451 (metro area) immediately upon discovery of the release. The Permittee may contact the MPCA during business hours at 800-657-3864 or 651-296-6300 (metro area); and</li><li>C. Recover as rapidly and as thoroughly as possible all substances and materials released or immediately take other action as may be reasonably possible to minimize or abate pollution to waters of the state or potential impacts to human health caused thereby. If the Permittee cannot immediately or completely recover the released materials or substances, the Permittee shall contact the MPCA. If directed by the MPCA, the Permittee shall consult with other local, state, or federal agencies (such as the Minnesota Department of Natural Resources and/or the Wetland Conservation Act authority) for implementation of additional clean up or remediation activities in wetland or other sensitive areas. [Minn. R. 7001.1090]</li></ul>
5.15.113	<p><b>Sampling of a Release.</b> Upon discovery of a release, the Permittee shall:</p> <ul style="list-style-type: none"><li>A. Collect representative samples of the release. The Permittee shall sample the release for permitted effluent parameters and other parameters of concern immediately following discovery of the release. The Permittee may contact the MPCA during business hours to discuss the sampling parameters and protocol. In addition, the Permittee shall collect fecal coliform bacteria samples where the Permittee determines that the release contains or may contain sewage. If the Permittee cannot immediately stop the release, the Permittee shall consult with the MPCA regarding additional sampling requirements. The Permittee shall collect samples at least, but not limited to, two times per week for as long as the release continues; and</li><li>B. Submit the sampling results on the Release Report located on the MPCA's website at <a href="https://www.pca.state.mn.us/business-with-us/discharge-monitoring-reports">https://www.pca.state.mn.us/business-with-us/discharge-monitoring-reports</a>.</li></ul> <p>The Permittee shall submit the Release Report to the MPCA with the next eDMR or within 30 days, whichever is sooner. [Minn. R. 7001.1090]</p>
5.15.114	<p><b>Bypass.</b> [Minn. R. 7001]</p>
5.15.115	<p><b>Anticipated Bypass.</b> The Permittee may allow any bypass to occur that does not cause effluent limitation exceedances, but only if the bypass is for essential maintenance to assure efficient operation of the facility. The Permittee shall submit prior notice to the MPCA at least ten days before the date of the bypass, if possible. The notice of the need for an anticipated bypass shall include the following information:</p> <ul style="list-style-type: none"><li>A. The proposed date and estimated duration of the bypass;</li><li>B. The alternatives to bypassing; and</li><li>C. A proposal for effluent sampling during the bypass. Any bypass wastewater shall enter waters of the state from outfalls specifically authorized by this permit. Therefore, the Permittee shall collect samples at the frequency and location identified in this permit or two times per week for as long as the bypass continues, whichever is more frequent. [40 CFR 122.41(m)(2 &amp; 3), Minn. R. 7001.1090, subp. 1(J)]</li></ul>

5.15.116	<p>This permit prohibits all other bypasses. The MPCA may take enforcement action against the Permittee for a bypass, unless the specific conditions described in Minn. R. 7001.1090 subp. 1(K) and 40 CFR 122.41(m)(4)(i) are met.</p> <p>In the event of an unanticipated bypass, the Permittee shall:</p> <p>A. Take all reasonable steps to immediately end the bypass;</p> <p>B. Notify the Minnesota Department of Public Safety Duty Officer at 800-422-0798 or 651-649-5451 (metro area) immediately upon commencement of the bypass. The Permittee may contact the MPCA during business hours at 800-657-3864 or 651-296-6300 (metro area);</p> <p>C. Immediately take action as may be reasonably possible to minimize or abate pollution to waters of the state or potential impacts to human health caused thereby. If directed by the MPCA, the Permittee shall consult with other local, state, or federal agencies for implementation of abatement, clean up, or remediation activities; and</p> <p>D. Only allow bypass wastewater as specified in this section to enter waters of the state from outfalls specifically authorized by this permit. The Permittee shall collect samples at the frequency and location identified in this permit or two times per week for as long as the bypass continues, whichever is more frequent. The Permittee shall also follow the reporting requirements for effluent violations as specified in this permit. [40 CFR 122.41(m)(4)i, Minn. R. 7001.1090, subp. 1(K), Minn. Stat. ch. 115.061]</p>
5.15.117	<p><b>Notification of the Public.</b> Following immediate notification to the Minnesota Department of Public Safety Duty Officer and the MPCA of any discharge event that could endanger human health, public drinking water supplies, or the environment, or a Release or Bypass, as described above, the Permittee shall promptly notify the public and any drinking water facility of the discharge.</p> <p>Notice to the public and to any drinking water facility must be made using the most efficient communications system available to the facility owner such as in person, telephone call, radio, social media, webpage, or another expedited form. In addition, signage must be posted at all impacted public use areas within the same jurisdiction or notification must be provided to the entity that has jurisdiction over any impacted public use areas. A notice under this requirement must include the date and time of the discharge, a description of the material released, a warning of the potential public health risk, and the Permittee's contact information. [Minn. Stat. ch. 115.061]</p>
5.15.118	<p><b>Operation and Maintenance.</b> [Minn. R. 7001]</p>
5.15.119	<p>The Permittee shall at all times properly operate and maintain the facilities and systems of treatment and control, and the appurtenances related to them which are installed or used by the Permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. The Permittee shall install and maintain appropriate backup or auxiliary facilities if they are necessary to achieve compliance with the conditions of the permit and, for all permits other than hazardous waste facility permits, if these backup or auxiliary facilities are technically and economically feasible. [Minn. R. 7001.0150, subp. 3(F)]</p>
5.15.120	<p>In the event of a reduction or loss of effective treatment of wastewater at the facility, the Permittee shall control production or curtail discharges to the extent necessary to maintain compliance with the terms and conditions of this permit. The Permittee shall continue this control or curtailment until they restore facility treatment processes or until the Permittee provides an alternative method of treatment. [Minn. R. 7001.1090, subp. 1(C)]</p>
5.15.121	<p><b>Solids Management.</b> The Permittee shall properly store, transport, and manage biosolids, septage, sediments, residual solids, filter backwash, screenings, oil, grease, and other substances so that pollutants do not enter surface waters or groundwaters of the state. The Permittee shall manage solids in accordance with local, state, and federal requirements. [40 CFR 503, Minn. R. 7041]</p>

5.15.122	<p><b>Scheduled Maintenance.</b> The Permittee shall schedule maintenance of the treatment works during non-critical water quality periods to prevent water quality degradation, except where the facility requires emergency maintenance to prevent a condition that would be detrimental to water quality or human health. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(F)]</p>
5.15.123	<p><b>Control Tests.</b> The Permittee shall conduct in-plant control tests at a frequency adequate to ensure compliance with the conditions of this permit. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(F)]</p>
5.15.124	<p><b>Changes to the Facility or Permit.</b> [Minn. R. 7001]</p>
5.15.125	<p><b>Permit Modifications.</b> Except as provided under Minn. Stat. ch. 115.07, subd. 1 and 3, no person required by statute or rule to obtain a permit may construct, install, modify, or operate the facility to be permitted, nor shall a person commence an activity for which a permit is required by statute or rule until the MPCA issues a written permit for the facility or activity.</p> <p>Permittees that propose to make changes to the facility or discharge that requires permit modification shall follow Minn. R. 7001.0190. If the Permittee cannot determine whether the proposed changes require a permit modification, the Permittee shall contact the MPCA prior to any action. The MPCA recommends that Permittees submit the application for permit modification to the MPCA at least 180 days prior to the planned change. [Minn. R. 7001.0030]</p>
5.15.126	<p>This permit does not require plans, specifications, and MPCA approval when maintenance dictates the need for installation of new equipment, provided the equipment is the same design size and has the same design intent. For instance, Permittees can replace a broken pipe, lift station pump, aerator, or blower with the same design-sized equipment without MPCA approval.</p> <p>If this permit does not expressly authorize the Permittee proposed construction, the MPCA may require a permit modification. If the proposed construction project requires an Environmental Assessment Worksheet under Minn. R. 4410, no construction shall begin until the MPCA issues a negative declaration and the Permittee receives or implements all approvals. [Minn. R. 7001.0030]</p>
5.15.127	<p><b>Report Changes.</b> The Permittee shall give advance notice as soon as possible to the MPCA of any substantial changes in operational procedures, activities that may alter the nature or frequency of the discharge, and/or material factors that may affect compliance with the conditions of this permit. [Minn. R. 7001.0150, subp. 3(M)]</p>

5.15.128	<p><b>Chemical Additives.</b> The Permittee shall receive prior written approval from the MPCA before increasing the use of a chemical additive authorized by this permit, or using a chemical additive not authorized by this permit, in quantities or concentrations that have the potential to change the characteristics, nature, and/or quality of the discharge.</p> <p>The Permittee shall request approval for an increase or new use of a chemical additive at least 60 days, or as soon as possible, before the proposed increase or new use. The Permittee shall include at least the following information for the proposed additive as instructed in the chemical additive approvals section on the MPCA's website at <a href="https://www.pca.state.mn.us/business-with-us/wastewater-permit-additional-guidance-and-information">https://www.pca.state.mn.us/business-with-us/wastewater-permit-additional-guidance-and-information</a>:</p> <p>A. The process for which the additive will be used; B. Safety Data Sheet (SDS) which shall include aquatic toxicity, human health, and environmental fate information for the proposed additive. The aquatic toxicity information shall include at minimum the results of: a) a 48-hour LC50 or EC50 acute study for a North American freshwater planktonic crustacean (either Ceriodaphnia or Daphnia sp.) and b) a 96-hour LC50 acute study for rainbow trout, bluegill, or fathead minnow or another North American freshwater aquatic species other than a planktonic crustacean; C. A complete product use and instruction label; D. The commercial and chemical names and Chemical Abstract Survey (CAS) number for all ingredients in the additive (If the SDS does not include information on chemical composition, including percentages for each ingredient totaling to 100%, the Permittee shall contact the supplier to have this information provided); and E. The proposed method of application, application frequency, concentration, and daily average and maximum rates of use.</p> <p>Upon review of the information submitted regarding the proposed chemical additive, the MPCA may require additional information be submitted for consideration. This permit may be modified to restrict the use or discharge of a chemical additive and include additional influent and effluent monitoring requirements. Approval for the use of an additive shall not justify the exceedance of any effluent limitation nor shall it be used as a defense against pollutant levels in the discharge causing or contributing to the violation of a water quality standard. [Minn. R. 7001.0170]</p>
5.15.129	<p><b>MPCA Initiated Permit Modification, Suspension, or Revocation.</b> The MPCA may modify or revoke and reissue this permit pursuant to Minn. R. 7001.0170. The MPCA may revoke without reissuance of this permit pursuant to Minn. R. 7001.0180. [Minn. R. 7001.0170, Minn. R. 7001.0180]</p>
5.15.130	<p><b>Total Maximum Daily Load (TMDL) Impacts.</b> The MPCA may require facilities that discharge to an impaired surface water, watershed, or drainage basin to comply with additional permits or permit requirements. These requirements can include additional restriction or relaxation of limits and monitoring as authorized by the CWA 303(d)(4)(A) and 40 CFR ch. 122.44(l)(2)(i), necessary to ensure consistency with the assumptions and requirements of any applicable EPA approved wasteload allocations resulting from TMDL studies. [40 CFR 122.44(l)(2)(i)]</p>
5.15.131	<p><b>Permit Transfer.</b> This permit is not transferable to any person without the express written approval of the MPCA after compliance with the requirements of Minn. R. 7001.0190. A person who receives permit transference shall comply with the conditions of this permit. [Minn. R. 7001.0150, subp. 3(N)]</p>

5.15.132	<p><b>Facility Closure.</b> The Permittee is responsible for closure and post-closure care of the facility. The Permittee shall notify the MPCA of a significant reduction or cessation of the activities described in this permit at least 180 days before the reduction or cessation. The MPCA may require the Permittee to provide a Facility Closure Plan to the MPCA for approval.</p> <p>The MPCA may require a permit modification or reissuance for facility closure that could result in a potential long-term water quality concern, such as the ongoing discharge of wastewater to surface or groundwater.</p> <p>The MPCA may require the Permittee to establish and maintain financial assurance to ensure performance of certain obligations under this permit, including closure, post-closure care, and remedial action at the facility. If the MPCA requires financial assurance, the MPCA shall approve the amount and type of financial assurance, and proposed modifications to previously MPCA-approved financial assurance. [Minn. Stat. ch. 116.07, subd. 4]</p>
5.15.133	<p><b>Permit Reissuance.</b> If the Permittee desires to continue permit coverage beyond the date of permit expiration, the Permittee shall submit an application for permit reissuance : Due by 180 days prior to permit expiration. [Minn. R. 7001.0040]</p>
5.15.134	<p>If the Permittee does not intend to continue the activities authorized by this permit after the expiration date of this permit, the Permittee shall notify the MPCA in writing at least 180 days before permit expiration. If the Permittee has submitted a timely application for permit reissuance, the Permittee may continue to conduct the activities authorized by this permit, in compliance with the requirements of this permit, until the MPCA takes final action on the application, unless the MPCA determines any of the following:</p> <ul style="list-style-type: none"><li>A. The Permittee is not in substantial compliance with the requirements of this permit, or with a stipulation agreement or compliance schedule designed to bring the Permittee into compliance with this permit;</li><li>B. The MPCA, as a result of an action or failure to act by the Permittee, has been unable to take final action on the application on or before the expiration date of the permit; or</li><li>C. The Permittee has submitted an application with major deficiencies or has failed to properly supplement the application in a timely manner after being informed of deficiencies. [Minn. R. 7001.0040, Minn. R. 7001.0160]</li></ul>

6. Submittal action summary

<b>GW 004</b>	<b>Well, Downgradient</b>	
		<b>Groundwater Well: Monitoring Requirements</b>
	6.1.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
<b>GW 005</b>	<b>Well, Downgradient</b>	
		<b>Groundwater Well: Monitoring Requirements</b>
	6.2.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
<b>GW 006</b>	<b>Well, Upgradient</b>	
		<b>Groundwater Well: Monitoring Requirements</b>
	6.3.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
<b>GW 010</b>	<b>Well, Upgradient</b>	
		<b>Groundwater Well: Monitoring Requirements</b>
	6.4.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
<b>WS 001</b>	<b>Influent Waste</b>	
		<b>Waste Stream: Spray Irrigation Influent Requirements</b>
	6.5.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
<b>WS 002</b>	<b>Internal Waste Stream</b>	
		<b>Waste Stream: Spray Irrigation Pond Effluent Requirements</b>
	6.6.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
<b>WS006</b>	<b>Intermediate: WW to Land</b>	
		<b>Waste Stream: Spray Irrigation to Spray Site Requirements</b>
	6.7.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]

<b>WS007</b>	<b>Intermediate: WW to Land</b>	
		<b>Waste Stream: Spray Irrigation to Spray Site Requirements</b>
	6.8.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
<b>MN0021661</b>	<b>Pequot Lakes WWTP</b>	
		<b>Spray Irrigation</b>
	6.9.1	The Permittee shall submit a municipal spray irrigation annual report : Due by January 21 of each year following permit issuance. [Minn. R. 7001.0150, subp. 3(F)]
		<b>Total Facility Requirements (SDS)</b>
	6.10.2	<b>Permit Reissuance.</b> If the Permittee desires to continue permit coverage beyond the date of permit expiration, the Permittee shall submit an application for permit reissuance : Due by 180 days prior to permit expiration. [Minn. R. 7001.0040]

**7. Limits and monitoring**

The Permittee shall comply with the limits and monitoring requirements as specified below.

Subject item	Parameter	Discharge limitations						Monitoring requirements					Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period		
GW 004 GW Monitoring - SW Pond	Chloride, Total						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct		
GW 004 GW Monitoring - SW Pond	Elevation of GW Relative to Mean Sea Level		Monitor only. instantaneous maximum	feet					once per month	Measurement, Instantaneous	Apr, Jul, Oct		
GW 004 GW Monitoring - SW Pond	Nitrite Plus Nitrate, Total (as N)						10 calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct		
GW 004 GW Monitoring - SW Pond	Nitrogen, Ammonia, Total (as N)						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct		
GW 004 GW Monitoring - SW Pond	Nitrogen, Kjeldahl, Total						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct		
GW 004 GW Monitoring - SW Pond	pH				Monitor only. instantaneous minimum		Monitor only. instantaneous maximum	standard units	once per month	Grab	Apr, Jul, Oct		
GW 004 GW Monitoring - SW Pond	Specific Conductance						Monitor only. instantaneous maximum	micromhos per cm	once per month	Grab	Apr, Jul, Oct		
GW 004 GW Monitoring - SW Pond	Temperature, Water (C)						Monitor only. instantaneous maximum	degrees Celsius	once per month	Grab	Apr, Jul, Oct		

Subject item	Parameter	Discharge limitations					Monitoring requirements					Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
GW 005 GW Monitoring - NW Pond	Chloride, Total						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct	
GW 005 GW Monitoring - NW Pond	Elevation of GW Relative to Mean Sea Level		Monitor only. instantaneous maximum	feet					once per month	Measurement, Instantaneous	Apr, Jul, Oct	
GW 005 GW Monitoring - NW Pond	Nitrite Plus Nitrate, Total (as N)						10 calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct	
GW 005 GW Monitoring - NW Pond	Nitrogen, Ammonia, Total (as N)						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct	
GW 005 GW Monitoring - NW Pond	Nitrogen, Kjeldahl, Total						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct	
GW 005 GW Monitoring - NW Pond	pH				Monitor only. instantaneous minimum		Monitor only. instantaneous maximum	standard units	once per month	Grab	Apr, Jul, Oct	
GW 005 GW Monitoring - NW Pond	Specific Conductance						Monitor only. instantaneous maximum	micromhos per cm	once per month	Grab	Apr, Jul, Oct	
GW 005 GW Monitoring - NW Pond	Temperature, Water (C)						Monitor only. instantaneous maximum	degrees Celsius	once per month	Grab	Apr, Jul, Oct	
GW 006 GW Monitoring - SE Pond	Chloride, Total						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct	

Subject item	Parameter	Discharge limitations						Monitoring requirements				Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
GW 006 GW Monitoring - SE Pond	Elevation of GW Relative to Mean Sea Level		Monitor only. instantaneous maximum	feet					once per month	Measurement, Instantaneous	Apr, Jul, Oct	
GW 006 GW Monitoring - SE Pond	Nitrite Plus Nitrate, Total (as N)						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct	
GW 006 GW Monitoring - SE Pond	Nitrogen, Ammonia, Total (as N)						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct	
GW 006 GW Monitoring - SE Pond	Nitrogen, Kjeldahl, Total						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct	
GW 006 GW Monitoring - SE Pond	pH				Monitor only. instantaneous minimum		Monitor only. instantaneous maximum	standard units	once per month	Grab	Apr, Jul, Oct	
GW 006 GW Monitoring - SE Pond	Specific Conductance						Monitor only. instantaneous maximum	micromhos per cm	once per month	Grab	Apr, Jul, Oct	
GW 006 GW Monitoring - SE Pond	Temperature, Water (C)						Monitor only. instantaneous maximum	degrees Celsius	once per month	Grab	Apr, Jul, Oct	
GW 010 GW Monitoring - NE Pond	Chloride, Total						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct	
GW 010 GW Monitoring - NE Pond	Elevation of GW Relative to Mean Sea Level		Monitor only. instantaneous maximum	feet					once per month	Measurement, Instantaneous	Apr, Jul, Oct	

Subject item	Parameter	Discharge limitations					Monitoring requirements					Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
GW 010 GW Monitoring - NE Pond	Nitrite Plus Nitrate, Total (as N)						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct	
GW 010 GW Monitoring - NE Pond	Nitrogen, Ammonia, Total (as N)						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct	
GW 010 GW Monitoring - NE Pond	Nitrogen, Kjeldahl, Total						Monitor only. calendar month maximum	milligrams per liter	once per month	Grab	Apr, Jul, Oct	
GW 010 GW Monitoring - NE Pond	pH				Monitor only. instantaneous minimum		Monitor only. instantaneous maximum	standard units	once per month	Grab	Apr, Jul, Oct	
GW 010 GW Monitoring - NE Pond	Specific Conductance						Monitor only. instantaneous maximum	micromhos per cm	once per month	Grab	Apr, Jul, Oct	
GW 010 GW Monitoring - NE Pond	Temperature, Water (C)						Monitor only. instantaneous maximum	degrees Celsius	once per month	Grab	Apr, Jul, Oct	
WS 001 Influent Waste Stream	BOD, Carbonaceous 05 Day (20 Deg C)					Monitor only. calendar quarter average		milligrams per liter	once per quarter	4-Hour Flow Composite	Mar, Jun, Sep, Dec	
WS 001 Influent Waste Stream	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. calendar month maximum	million gallons per day	once per day	Measurement, Continuous	Jan-Dec	
WS 001 Influent Waste Stream	pH						Monitor only. calendar quarter maximum	standard units	once per quarter	Grab	Mar, Jun, Sep, Dec	

Subject item	Parameter	Discharge limitations					Monitoring requirements					Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 001 Influent Waste Stream	Precipitation		Monitor only. calendar month total	inches					once per day	Measurement	Jan-Dec	
WS 001 Influent Waste Stream	Solids, Total Suspended (TSS)					Monitor only. calendar quarter average		milligrams per liter	once per quarter	4-Hour Flow Composite	Mar, Jun, Sep, Dec	
WS 002 Effluent Prior to Spray Site	Chloride, Total					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Apr-Nov	
WS 002 Effluent Prior to Spray Site	Fecal Coliform, MPN or Membrane Filter 44.5C					200 calendar month geometric mean		organisms per 100 milliliter	once per month	Grab	Apr-Nov	
WS 002 Effluent Prior to Spray Site	Flow		45 calendar year to date total	million gallons					once per day	Measurement	Apr-Nov	
WS 002 Effluent Prior to Spray Site	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. calendar month maximum	million gallons per day	once per day	Measurement, Continuous	Apr-Nov	
WS 002 Effluent Prior to Spray Site	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Apr-Nov	
WS 002 Effluent Prior to Spray Site	Nitrogen, Ammonia, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Apr-Nov	

Subject item	Parameter	Discharge limitations						Monitoring requirements				Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 002 Effluent Prior to Spray Site	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Apr-Nov	
WS 002 Effluent Prior to Spray Site	pH					Monitor only. calendar month maximum		standard units	once per month	Grab	Apr-Nov	
WS 002 Effluent Prior to Spray Site	Specific Conductance					Monitor only. calendar month maximum		micromhos per cm	once per month	Grab	Apr-Nov	
WS006 Intermediate: WW to Land South Derksen Road	Area Of Disposal, Used		45.3 calendar month maximum	acres					once per day	Measurement	Apr-Nov	
WS006 Intermediate: WW to Land South Derksen Road	Flow		Monitor only. calendar month total intervention	million gallons		Monitor only. calendar month average intervention	Monitor only. calendar month max intervention limit	million gallons per day	once per day	Measurement, Continuous	Dec-Mar	The intervention limit is 0 MG. If this limit is exceeded, the Permittee must take action as described in the Spray Irrigation Outside of Acceptable Spray Irrigation Periods section of the Spray Irrigation chapter of the permit.

Subject item	Parameter	Discharge limitations						Monitoring requirements				Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS006 Intermediate: WW to Land South Derksen Road	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. calendar month maximum	million gallons per day	once per day	Measurement, Continuous	Apr-Nov	
WS006 Intermediate: WW to Land South Derksen Road	Flow		Monitor only. calendar year to date total	million gallons					once per month	Calculation	Jan-Dec	
WS007 Intermediate: WW to Land - North Derksen Road	Area Of Disposal, Used		11.3 calendar month maximum	acres					once per day	Measurement	Apr-Nov	
WS007 Intermediate: WW to Land - North Derksen Road	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. calendar month maximum	million gallons per day	once per day	Measurement, Continuous	Apr-Nov	
WS007 Intermediate: WW to Land - North Derksen Road	Flow		Monitor only. calendar month total intervention	million gallons		Monitor only. calendar month average intervention	Monitor only. calendar month max intervention limit	million gallons per day	once per day	Measurement, Continuous	Dec-Mar	The intervention limit is 0 MG. If this limit is exceeded, the Permittee must take action as described in the Spray Irrigation Outside of Acceptable Spray Irrigation Periods section of the Spray Irrigation chapter of the permit.

Subject item	Parameter	Discharge limitations						Monitoring requirements				Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS007 Intermediate: WW to Land - North Derksen Road	Flow		Monitor only. calendar year to date total	million gallons					once per month	Calculation	Jan-Dec	

**8. Appendix 1: Spray Irrigation Site with Soil Monitoring Requirements: LA30X, 30X, etc.**

<i>Parameter</i>	<i>Limit</i>	<i>Units</i>	<i>Limit Type</i>	<i>Effective Period</i>	<i>Sample Type</i>	<i>Frequency</i>	<i>Notes</i>
Nitrogen, Total Annual Loading Rates	Monitor Only	lbacyr	Calendar Year Total	Jan-Dec	Calculation	1/year	1
Organic Matter, Total in Soil	Monitor Only	%	Calendar Year Maximum	Jan-Dec	Composite	1/year	2
pH, 1 to 1 Soil to Water	Monitor Only	SU	Calendar Year Maximum	Jan-Dec	Composite	1/year	2
Phosphorus, BRAY-1 Ext in Soil	Monitor Only	ppm	Calendar Year Maximum	Jan-Dec	Composite	1/year	2
Potassium, NH4AC, Exch in Soil	Monitor Only	ppm	Calendar Year Maximum	Jan-Dec	Composite	1/year	2
Salts, Water Soluble in Soil	3.0	mmhos/cm	Calendar Year Maximum	Jan-Dec	Composite	1/year	2

1. Calculate as flow-weighted sum of total annual mass Kjeldahl nitrogen and nitrate-plus-nitrite applied to site, divided by the acreage of the site. Limit applies to the sum of all sources of nitrogen applied to the site.
2. Sample before irrigation or application of commercial or other supplemental fertilizer. The composite shall consist of a mixture of 15-20 subsamples taken from a 0 to 8-inch core. At least one composite sample shall be collected for each 40 acres.