

**National Pollutant Discharge Elimination System/State Disposal System**

**MN0021431**

**Permittee:** City of Thief River Falls  
**Facility name:** Thief River Falls Wastewater Treatment Facility  
**Receiving water:** Unnamed ditch - Class 7, 3C, 4A, 4B, 5, 6 water  
**Township:** North and Rocksbury **County:** Pennington  
**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 and to discharge from this facility to the receiving water 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 is effective on the issuance date identified above. This permit expires at midnight on the expiration date identified above.

*Signature:*

*This document has been electronically signed.*

*for the Minnesota Pollution Control Agency*

Paul C. Scheirer  
Supervisor  
Northeast/Northwest Regional Unit  
Municipal Division

**Submit eDMRs**

Submit 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 WQ reports to:**

**Electronically:** [wq.submittals.mPCA@state.mn.us](mailto:wq.submittals.mPCA@state.mn.us)  
Include *Water quality submittals form*:  
<https://www.pca.state.mn.us/sites/default/files/wq-wwprm7-71.docx>

**Or, by mail:**

Attention: WQ Submittals Center  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, MN 55155-4194

*Whole Effluent Testing (WET) and Pretreatment Annual Reports  
must be mailed to the WQ Submittals Center*

**Questions on this permit?**

For eDMR and other permit reporting issues, use the directory listed at the bottom of the DMR 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>

**Wastewater Permit Program general questions, contact:**

MPCA, 651-282-6143 or 1-800-657-3938.

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## 1. Permitted facility description

The Thief River Falls Wastewater Treatment Facility (Facility) is located at 405 Third Street East, Thief River Falls, Minnesota 56701, Pennington County. The Facility is a Class D.

The Facility is designed to treat:

- An average wet weather (AWW) flow of 2.99 million gallons per day (MGD)
- Five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>) of 250 milligrams per liter (mg/L)

The existing Facility consists of four main lift stations, approximately 17,530 feet of 10, 12, 16, and 20-inch force main, and a three-cell stabilization pond system consisting of two 131-acre primary cells and one 88-acre secondary cell. The Facility provides a detention time of 210 days at design flow. The Facility has two controlled discharge points, (SD 004) from the 88-acre secondary cell and (SD 005) from the 131-acre primary pond to County Ditch #70 (Class 7, 3C, 4A, 4B, 5, 6 water) which flows to the Red Lake River (Class 1C, 2Bd, 3C, 4A, 4B, 5, 6 water).

There are three bypass points in the collection system at lift stations #1, #7, and #9. These are not permitted discharge stations and are manually controlled and locked at all times. There are no other bypass points known to exist in this collection or disposal system.

Changes to the Facility may result in an increase in pollutant loading to surface waters or other causes of degradation to surface waters. If a change to the Facility will result in a net increase in pollutant loading or other causes of degradation that exceed the maximum loading authorized through conditions specified in the existing permit, the changes to the Facility are subject to antidegradation requirements found in Minn. R. 7050.0250 to 7050.0335.

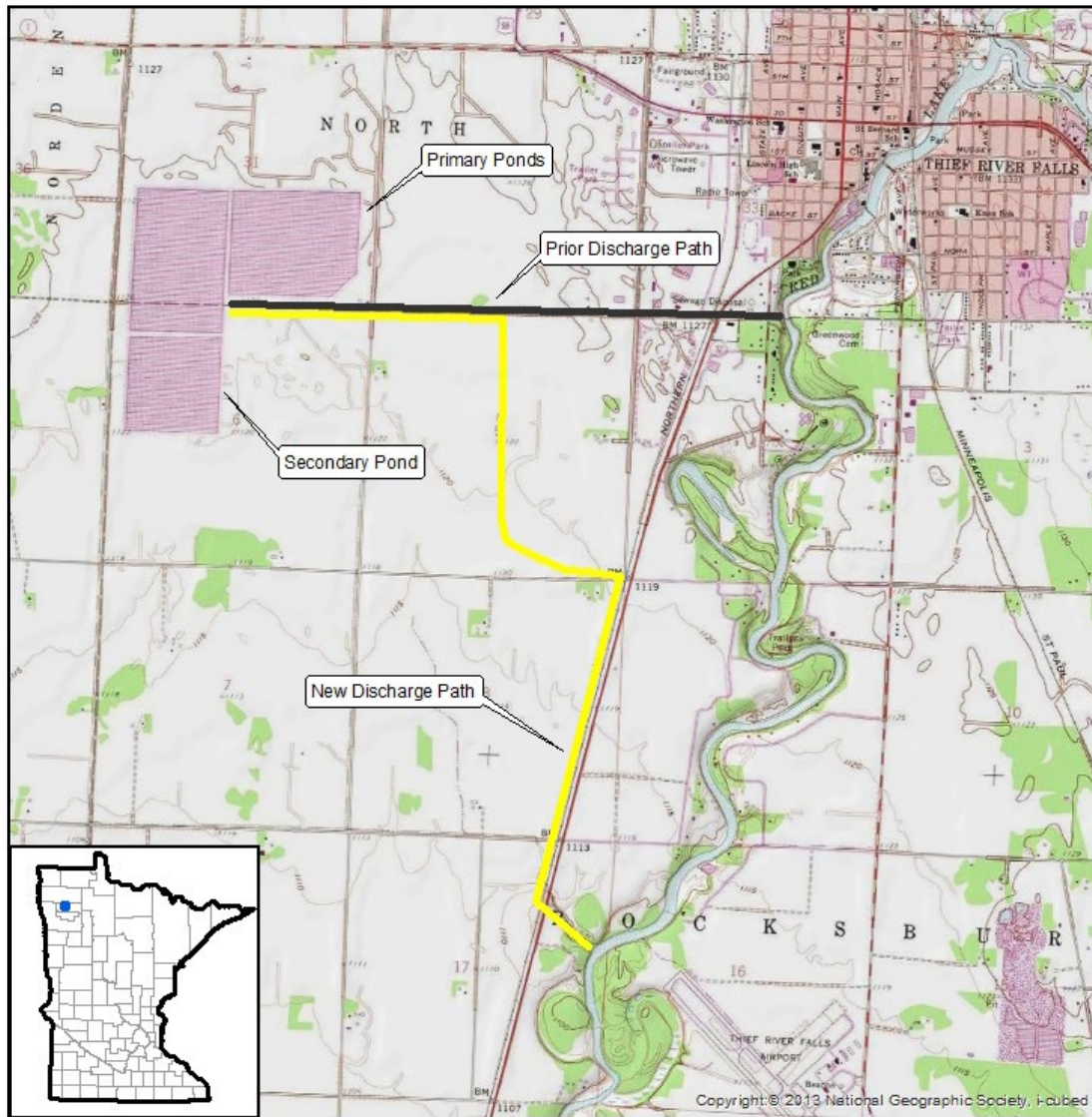
This Permit also complies with Minn. R. 7053.0275 regarding anti-backsliding.

Any point source discharger of sewage, industrial, or other wastes for which a NPDES permit has been issued by the MPCA that contains effluent limits more stringent than those that would be established by Minn. R. 7053.0215 to 7053.0265 shall continue to meet the effluent limits established by the permit, unless the permittee establishes that less stringent effluent limits are allowable pursuant to federal law, under section 402(o) of the Clean Water Act, United States Code, title 33, section 1342.

## 2. Location map of permitted facility

### Topographic Map of Permitted Facility

MN0021431: Thief River Falls Wastewater Treatment Facility  
T154N, R43W, Section 6 & 31  
North and Rocksbury Township, Pennington County, Minnesota

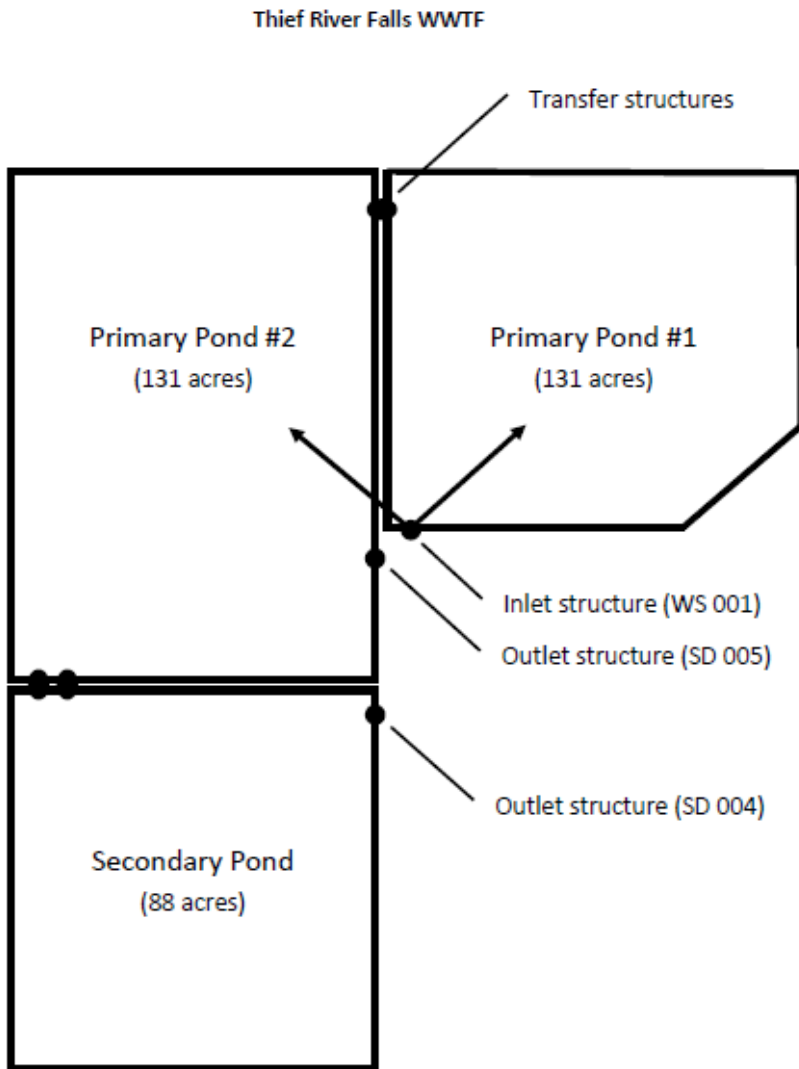


Map produced by: MPCA Staff, 3/19/2021  
Source: USGS Quad  
Scale: 1:35,000

0 0.375 0.75 1.5 Miles



3. Flow diagram



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

<b>Station</b>	<b>Type of station</b>	<b>Local name</b>	<b>PLS location</b>
SD 004	Effluent To Surface Water	Discharge from 88-acre secondary cell	T153N, R43W, S06, NE Quarter of the NW Quarter
SD 005	Effluent To Surface Water	Discharge from the west 131-acre primary cell	T154N, R43W, S31, SE Quarter of the SW Quarter
WS 001	Influent Waste	Influent Waste Stream	T154N, R43W, S31

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5. Permit requirements

SD 004	Effluent To Surface Water	
		<b>Surface Discharge: Major Stabilization Pond Effluent 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		Sampling Location. [Minn. R. 7001.0150, Subp. 2(B)]
5.1.3		Samples for Station SD 004 shall be taken from the outfall control structure for the 88-acre cell. [Minn. R. 7001.0150, Subp. 2(B)]
5.1.4		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)]
		<b>Acute Toxicity Requirements</b>
5.2.5		General Requirements. [Minn. R. 7001]
5.2.6		This permit does not include an acute whole effluent toxicity limit; however the facility has a whole effluent toxicity testing monitoring requirement and is required to conduct acute toxicity tests for Surface Discharge Station SD 004. Results of acute toxicity tests will be evaluated against a monitoring threshold value of 0.9999 TUa. [Minn. R. 7001]
5.2.7		The Permittee shall submit annual acute toxicity test battery results : Due 180 calendar days after Permit Issuance Date, and annually thereafter. [Minn. R. 7001]
5.2.8		Species and Procedural Requirements. [Minn. R. 7001]
5.2.9		Tests shall be conducted in accordance with procedures outlined in EPA-821-R-02-012 "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms" - Fifth Edition (Acute Manual) and any revisions to the Manual. Any test that is begun with an effluent sample that is equal to or exceeds a total ammonia concentration of 5.0 mg/l may use the carbon dioxide-controlled atmosphere technique to control pH drift. [Minn. R. 7001]
5.2.10		Test organisms for each test battery shall include the fathead minnow (Pimephales promelas)-Method 2001.0, Ceriodaphnia dubia-Method 2002.0, and Daphnia magna-Method 2021.0 or any updates to those methods. [Minn. R. 7001]
5.2.11		Static renewal acute serial dilution tests of the effluent shall consist of a control, 12, 25, 50, 75, and 100 percent effluent. [Minn. R. 7001]
5.2.12		All effluent samples shall be flow proportioned, 24-hour composites samples. Test solutions shall be renewed daily. Testing of the effluent shall begin within 36 hours of sample collection. Receiving water collected outside of the influence of discharge shall be used for dilution and controls. [Minn. R. 7001]
5.2.13		Any other circumstances not addressed in the previous requirements or that require deviation from that specified in the previous requirements shall first be approved by the MPCA. [Minn. R. 7001]
5.2.14		Quality Control and Report Submittals. [Minn. R. 7001]
5.2.15		Any test that does not meet quality control measures, or results which the Permittee believes reflect an artifact of testing shall be repeated within two (2) weeks of notification from the lab regarding the test sample results. These reports shall contain information consistent with the report preparation section of the Acute Manual. The MPCA shall make the final determination regarding test validity. [Minn. R. 7001]
5.2.16		Positive Toxicity Result for WET. [Minn. R. 7001]

5.2.17	Should a test exceed 0.9999 TUa for whole effluent toxicity based on results from the most sensitive test species, the Permittee shall conduct two repeat test batteries on all species. The repeat tests are to be completed within forty-five (45) days after completion of the positive test. These tests will be used to determine if toxicity exceeding 0.9999 TUa remains present for any test species. For both retests, if no toxicity is present above 0.9999 TUa for any test species, the Permittee shall return to the test frequency specified by the permit. If either of the repeat test batteries indicate toxicity above 0.9999 TUa for any test species, the Permittee shall submit, for MPCA review and approval, a plan for conducting a Toxicity Reduction Evaluation (TRE) including the Facility Performance Review within 60 days after the toxicity discovery date. Upon approval of the TRE Plan, the Permittee shall implement the plan or subsequent amendments in its entirety. Any violations of the plan are violations of this permit. In addition, the Permittee shall provide quarterly reports, starting from the date of the TRE plan submittal. The quarterly reports shall include, but not be limited to, a complete description of all progress made towards the identification of the source(s) of toxicity, and the Permittee's plans for the removal of the toxicity. The TRE shall be consistent with EPA guidance or subsequent procedures approved by the MPCA in attempting to identify and remove the source of the toxicity. Routinely scheduled acute toxicity test batteries required in this permit section shall be reduced to annual testing for the duration of the TRE. The MPCA shall review the request and decide whether or not the TRE will be discontinued. If the MPCA discontinues a TRE, the permit may be modified to set conditions to be met by the Permittee based on the TRE results. [Minn. R. 7001]
5.2.18	Following successful completion of the TRE the Permittee shall conduct semi-annual testing for the next five-year permit cycle. [Minn. R. 7001]
5.2.19	WET Data and Test Acceptability Criteria (TAC) Submittal. [Minn. R. 7001]
5.2.20	All WET test data and TAC shall be submitted to the MPCA by the dates required by this section of the permit using the Minnesota Pollution Control Agency Acute Toxicity Test Report and associated instruction forms. Data not submitted on the correct form(s), or submitted incomplete, will be returned to the permittee and deemed incomplete until adequately submitted on the designated form (identified above). These are legal forms and must be signed by and dated by the Permittee. Data should be submitted to: MPCA, Attn: WQ Submittals Center, 520 Lafayette Road North, St Paul Minnesota 55155 - 4194. [Minn. R. 7001, Minn. R. 7041.1400]
5.2.21	Permit Re-opening for WET. [Minn. R. 7001]
5.2.22	Based on the results of the testing, the permit may be modified to include additional toxicity testing and a whole effluent toxicity limit. [Minn. R. 7001]
5.2.23	Whole Effluent Toxicity Requirement Definitions. [Minn. R. 7001]
5.2.24	"Acute Whole Effluent Toxicity (WET) Toxicity Test" is a static renewal test conducted on an exponentially diluted series of effluent. The purpose is to calculate the proportion of effluent that causes 50 percent mortality/immobility of aquatic organisms at 48 hours for Daphnia magna and Ceriodaphnia dubia or 96 hours for fathead minnows. An LC50/EC50 (lethal/immobile concentration) less than or equal to 100 percent effluent constitutes a positive for toxicity. [State Definitions]
5.2.25	"Acute toxic unit (TUa)" is the reciprocal of the effluent dilution that causes the acute effect by the end of the acute exposure period. For example, a TUa equals (100% effluent)/(48 LC50/EC50 for Daphnia magna and Ceriodaphnia dubia or 96 hour LC50/EC50 for fathead minnows in %). [State Definitions]
5.2.26	"Test" refers to an individual species. [State Definitions]
5.2.27	"Test Battery" consists of WET testing of all test species for the specified test. For acute WET testing, all test species includes Fathead minnows, Daphnia magna, and Ceriodaphnia dubia. [State Definitions]
	<b>Priority Pollutant Requirements</b>



5.3.28	<p>The Permittee shall monitor the effluent three times in the life of the permit for the following specified priority pollutants. Sampling events shall occur before the second, third, and fourth year following permit issuance and shall not be less than one year apart.</p> <p>Monitoring shall be for the organic priority pollutants identified under the volatile, acid, base/neutral and pesticide fractions using EPA methods 624, 625 and 608 (40 CFR Part 136, October 25, 1984) as listed in Table II of 40 CFR Part 122, Appendix D or any updates to those methods.</p> <p>The following priority pollutant total metals shall also be monitored using EPA methods found in Table IB of the current version of 40 CFR Part 136: antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc. In addition, the Permittee shall monitor for Total Cyanide, Total Phenolic Compounds, and Hardness (total as CaCO<sub>3</sub>) using methods approved in the most recent update of 40 CFR part 136. See the water quality standards for Class 2A/2B/2Bd waters for the required reporting limits for these analyses.</p> <p>Total Mercury shall be monitored by EPA method 1631E or the most recent update to this method, if not already required by the permit. [Minn. R. 7001]</p>
5.3.29	The Permittee shall submit the first priority pollutant monitoring report : Due 1095 calendar days before Permit Expiration Date. (By two years after permit issuance date). [Minn. R. 7001]
5.3.30	The Permittee shall submit the second priority pollutant monitoring report : Due 730 calendar days before Permit Expiration Date. (By three years after permit issuance date). [Minn. R. 7001]
5.3.31	The Permittee shall submit the third priority pollutant monitoring report : Due 365 calendar days before Permit Expiration Date. (By four years after permit issuance date). [Minn. R. 7001]
5.3.32	All samples should be collected using a 24-hour flow proportional composite; except for the 624 volatiles and 1631E mercury samples, which must be collected using the grab method. [Minn. R. 7001]
5.3.33	Reporting limits for Priority Pollutant analyses shall be as close as analytically possible to the Class 2B chronic water quality standards. Total cyanide shall be monitored to the free cyanide water quality standard. [Minn. R. 7001]
<b>SD 005</b>	Effluent To Surface Water
	<b>Surface Discharge: Major Stabilization Pond Effluent 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	Sampling Location. [Minn. R. 7001.0150, Subp. 2(B)]
5.4.3	Samples for Station SD 005 shall be taken from the outfall control structure for the west 131-acre cell. [Minn. R. 7001.0150, Subp. 2(B)]
5.4.4	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)]
	<b>Acute Toxicity Requirements</b>
5.5.5	General Requirements. [Minn. R. 7001]
5.5.6	This permit does not include an acute whole effluent toxicity limit; however the facility has a whole effluent toxicity testing monitoring requirement and is required to conduct acute toxicity tests for Surface Discharge Station SD 005. Results of acute toxicity tests will be evaluated against a monitoring threshold value of 0.9999 TUa. [Minn. R. 7001]
5.5.7	The Permittee shall submit annual acute toxicity test battery results : Due 180 calendar days after Permit Issuance Date and annually thereafter. [Minn. R. 7001]
5.5.8	Species and Procedural Requirements. [Minn. R. 7001]

5.5.9	Tests shall be conducted in accordance with procedures outlined in EPA-821-R-02-012 "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms" - Fifth Edition (Acute Manual) and any revisions to the Manual. Any test that is begun with an effluent sample that is equal to or exceeds a total ammonia concentration of 5.0 mg/l may use the carbon dioxide-controlled atmosphere technique to control pH drift. [Minn. R. 7001]
5.5.10	Test organisms for each test battery shall include the fathead minnow ( <i>Pimephales promelas</i> )-Method 2001.0, <i>Ceriodaphnia dubia</i> -Method 2002.0, and <i>Daphnia magna</i> -Method 2021.0 or any updates to those methods. [Minn. R. 7001]
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5.5.23	Whole Effluent Toxicity Requirement Definitions. [Minn. R. 7001]

5.5.24	"Acute Whole Effluent Toxicity (WET) Toxicity Test" is a static renewal test conducted on an exponentially diluted series of effluent. The purpose is to calculate the proportion of effluent that causes 50 percent mortality/immobility of aquatic organisms at 48 hours for Daphnia magna and Ceriodaphnia dubia or 96 hours for fathead minnows. An LC50/EC50 (lethal/immobile concentration) less than or equal to 100 percent effluent constitutes a positive for toxicity. [State Definitions]
5.5.25	"Acute toxic unit (TUa)" is the reciprocal of the effluent dilution that causes the acute effect by the end of the acute exposure period. For example, a TUa equals (100% effluent)/(48 LC50/EC50 for Daphnia magna and Ceriodaphnia dubia or 96 hour LC50/EC50 for fathead minnows in %). [State Definitions]
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5.5.27	"Test Battery" consists of WET testing of all test species for the specified test. For acute WET testing, all test species includes Fathead minnows, Daphnia magna, and Ceriodaphnia dubia. [State Definitions]
	<b>Priority Pollutant Requirements</b>
5.6.28	<p>The Permittee shall monitor the effluent three times in the life of the permit for the following specified priority pollutants. Sampling events shall occur before the second, third, and fourth year following permit issuance and shall not be less than one year apart.</p> <p>Monitoring shall be for the organic priority pollutants identified under the volatile, acid, base/neutral and pesticide fractions using EPA methods 624, 625 and 608 (40 CFR Part 136, October 25, 1984) as listed in Table II of 40 CFR Part 122, Appendix D or any updates to those methods.</p> <p>The following priority pollutant total metals shall also be monitored using EPA methods found in Table IB of the current version of 40 CFR Part 136: antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc. In addition, the Permittee shall monitor for Total Cyanide, Total Phenolic Compounds and Hardness (total as CaCO<sub>3</sub>) using methods approved in the most recent update of 40 CFR part 136. See the water quality standards for Class 2A/2B/2Bd waters for the required reporting limits for these analyses.</p> <p>Total Mercury shall be monitored by EPA method 1631E or the most recent update to this method, if not already required by the permit. [Minn. R. 7001]</p>
5.6.29	The Permittee shall submit the first priority pollutant monitoring report : Due 1095 calendar days before Permit Expiration Date. (By two years after permit issuance date). [Minn. R. 7001]
5.6.30	The Permittee shall submit the second priority pollutant monitoring report : Due 730 calendar days before Permit Expiration Date. (By three years after permit issuance date). [Minn. R. 7001]
5.6.31	The Permittee shall submit the third priority pollutant monitoring report : Due 365 calendar days before Permit Expiration Date. (By four years after permit issuance date). [Minn. R. 7001]
5.6.32	All samples should be collected using a 24-hour flow proportional composite; except for the 624 volatiles and 1631E mercury samples, which must be collected using the grab method. [Minn. R. 7001]
5.6.33	Reporting limits for Priority Pollutant analyses shall be as close as analytically possible to the Class 2B chronic water quality standards. Total cyanide shall be monitored to the free cyanide water quality standard. [Minn. R. 7001]
<b>WS 001</b>	<b>Influent Waste</b>
	<b>Waste Stream: Stabilization Pond Influent 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	Sampling Location. [Minn. R. 7001.0150, Subp. 2(B)]
5.7.3	Samples for Station WS 001 shall be collected in the final lift station prior to the primary cell. [Minn. R. 7001.0150, Subp. 2(B)]
5.7.4	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)]

		<b>Facility Specific Requirements</b>
	5.8.5	Parameters that have a monitoring frequency of once per quarter and an effective period of Mar, Jun, Sep, Dec may be taken any time during that calendar quarter but must be reported on the designated month's DMR (e.g. the sample for the first calendar quarter of Jan-Mar will be reported on the March DMR). [Minn. R. 7001]
<b>MN0021431</b>	Thief River Falls WWTP	
		<b>Surface Discharge Station General Requirements</b>
	5.9.1	Analysis Requirements. [Minn. R. 7001]
	5.9.2	Dissolved Oxygen and pH analyses shall be conducted within 15 minutes of sample collection. [Minn. R. 7001]
	5.9.3	Representative Samples. [Minn. R. 7001]
	5.9.4	Samples and measurements required by this permit shall be representative of the monitored activity. [Minn. R. 7001]
	5.9.5	Surface Discharge Prohibitions. [Minn. R. 7001]
	5.9.6	Floating solids or visible foam shall not be discharged in other than trace amounts. [Minn. R. 7001]
	5.9.7	Oil or other substances shall not be discharged in amounts that create a visible color film. [Minn. R. 7001]
	5.9.8	The Permittee shall install and maintain outlet protection measures at the discharge stations to prevent erosion. [Minn. R. 7001]
	5.9.9	Winter Sampling Conditions. [Minn. R. 7001]
	5.9.10	The Permittee shall sample flows at the designated monitoring stations including when this requires removing ice to sample the water. If the station is completely frozen throughout a designated sampling month, the Permittee shall check the "No Discharge" box on the Discharge Monitoring Report (DMR) and note the ice conditions in Comments on the DMR. [Minn. R. 7001]
	5.9.11	Chlorine Addition Requirements. [Minn. R. 7001]
	5.9.12	If chlorine is added for any purpose, the Permittee shall monitor the discharge for Total Residual Chlorine once per day during chlorine usage. The Permittee shall report the monitoring data as a comment on the next submitted Discharge Monitoring Report for the affected station. The discharge shall not exceed a 0.038 mg/L Total Residual Chlorine limit. [Minn. R. 7001]
	5.9.13	Mercury Limits and Monitoring Requirements. [Minn. R. 7001]
	5.9.14	Permittees are required to sample for TSS (grab sample) at the same time that Total/Dissolved Mercury samples are taken. Total Mercury, Dissolved Mercury, and TSS (grab sample) samples shall be collected via grab samples. All results shall be recorded on DMRs. [Minn. R. 7001]
	5.9.15	Total and Dissolved Mercury samples shall be analyzed using the most current versions of EPA Method 1631 with clean techniques method 1669. Should another mercury analytical method that has a reportable quantitation level of <0.5 ng/L that allows for low-level sample characterization be approved by the EPA and certified by an MPCA recognized accreditation body, the method may be used in place of 1631/1669. [Minn. R. 7001]
	5.9.16	Samples for mercury monitoring with a frequency of twice per half year and an effective period of Jan-Dec shall be taken twice during the spring discharge event and twice during the fall discharge event. Effluent monitoring should occur at a similar time to influent monitoring, if possible. The spring and fall discharge results are to be reported on the month's DMR of which each sample was taken.  If the half-year monitoring was not completed during a specific month, the Permittee shall leave the boxes blank on the Sample Values and DMR form and include a comment on the DMR indicating whether half-year monitoring has already been fulfilled or will be completed later during the half-year; do not report "0" or "N/A" in the parameter boxes. [Minn. R. 7001]
	5.9.17	Nitrogen Limits and Monitoring Requirements. [Minn. R. 7001]
	5.9.18	"Total Nitrogen" is to be reported as the summation of the Total Kjeldahl Nitrogen and Total Nitrite plus Nitrate Nitrogen values. [Minn. R. 7001]

5.9.19	<p>One sample of Total Nitrite plus Nitrate Nitrogen, Total Kjeldahl Nitrogen, and Total Nitrogen shall be collected per discharge event and reported on the DMR for the month the sample(s) was collected.</p> <p>One sample of Total Ammonia Nitrogen and Total Dissolved Solids shall be collected once during the spring discharge and once during the fall discharge.</p> <p>The spring and fall discharge results are to be reported on the month's DMR of which each sample was taken. If the half-year monitoring was not completed during a specific month, the Permittee shall leave the boxes blank on the Sample Values and DMR form and include a comment on the DMR indicating whether half-year monitoring has already been fulfilled or will be completed later during the half-year; do not report "0" or "N/A" in the parameter boxes. [Minn. R. 7001]</p>
	<p><b>Waste Stream Station General Requirements</b></p>
5.10.20	<p>Analysis Requirements. [Minn. R. 7001]</p>
5.10.21	<p>pH analysis shall be conducted within 15 minutes of sample collection. [Minn. R. 7001]</p>
5.10.22	<p>Representative Samples. [Minn. R. 7001]</p>
5.10.23	<p>Grab and composite samples shall be collected at a point representative of total influent flow to the system. [Minn. R. 7001]</p>
5.10.24	<p>Mercury Limits and Monitoring Requirements. [Minn. R. 7001]</p>
5.10.25	<p>Total Mercury samples shall be grab samples and shall be analyzed using EPA Method 1631 with clean techniques method 1669 and any revisions to those methods. Should another mercury analytical method that has a reportable quantitation level that allows for low-level sample characterization be approved by the EPA and certified by the Minnesota Department of Health, the Permittee is authorized to use that method. [Minn. R. 7001]</p>
5.10.26	<p>Samples for mercury monitoring with a frequency of twice per half year and an effective period of Jan-Dec shall be taken twice during the spring discharge event and twice during the fall discharge event. Influent monitoring should occur at a time similar to that of effluent monitoring, if possible. The spring and fall results are to be reported on the month's DMRs of which each sample was taken.</p> <p>If the half-year monitoring was not completed during a specific month, the Permittee shall leave the boxes blank on the Sample Values and DMR form and include a comment on the DMR indicating whether half-year monitoring has already been fulfilled or will be completed later during the half-year; do not report "0" or "N/A" in the parameter boxes. [Minn. R. 7001]</p>
5.10.27	<p>Nitrogen Limits and Monitoring Requirements. [Minn. R. 7001]</p>
5.10.28	<p>"Total Nitrogen" is to be reported as the summation of the Total Kjeldahl Nitrogen and Total Nitrite plus Nitrate Nitrogen values. [Minn. R. 7001]</p>
	<p><b>Special Requirements</b></p>
5.11.29	<p><b>Total Phosphorus Schedule.</b> [Minn. R. 7001]</p>

5.11.30	<p>The Permittee is opting to participate in an alternative permitting strategy along with other Permittees within the Red River Basin (Basin). The Permittee is one of multiple facilities whose wastewater treatment facility effluent is either discharged directly to or is discharged upstream of the Red River of the North.</p> <p>The Red River of the North flows north into Lake Winnipeg in Manitoba, Canada. Lake Winnipeg has documented nuisance algal blooms and degraded water quality of which excess phosphorus loading has been identified as a primary cause. While influent flow from the Red River of the North is estimated to be a small percentage (16%) of the total water entering Lake Winnipeg, approximately 65% of the total phosphorus load is from the Red River of the North.</p> <p>The goal of this alternative permitting approach being initiated through this permit process is to be protective of class 6 waters of the state - the Red River of the North and downstream uses as well as to facilitate collaboration with the Red River Basin Commission (RRBC) to develop a basin-wide phosphorus management plan hereinafter called the Red River Basin Management Plan (RRBMP). The RRBMP will identify point and nonpoint source phosphorus contributors, estimate or calculate known phosphorus loads from each source, and identify an allocation of reductions from each contributor throughout the Basin. Because the Red River of the North is not presently impaired for nutrients based on Minnesota's River Eutrophication Standards, the Permittee has voluntarily agreed to base the allocation of phosphorus reductions on Minnesota's portion of the U.S. total phosphorus load reduction goal for the Red River of the North of 700 metric tons per year to be assessed at the U.S./Canadian Border.</p> <p>The following five-year baseline schedule is applicable to all the currently participating Permittees, the cities of Breckenridge, Moorhead, Thief River Falls, Warroad, and Roseau, and is in reference to the final strategy agreement and resolutions from the five cities included in the appendices of the accompanying Fact Sheet. [Minn. R. 7001]</p>
5.11.31	<p>A facility specific final compliance date for all participating Permittees listed above shall be met using the established values determined in the RRBMP. If inadequate progress is made during the first permit cycle, the MPCA will establish final phosphorus limits to be implemented during the second permit cycle. [Minn. R. 7001]</p>
5.11.32	<p>If it is determined that the Permittee can attain compliance with the final limits, the Permittee shall attain compliance as soon as possible but no later than DATE <b>[one year after permit expiration; TBD by issuance date]</b>. [Minn. R. 7001]</p>
5.11.33	<p>If it is determined the Permittee must implement phosphorus reduction measures to reach compliance with the final limits, excluding capital expenditures to the facility, the Permittee shall attain compliance as soon as possible but no later than DATE <b>[three years after permit expiration; TBD by issuance date]</b>. If the Permittee's proposed plan to attain compliance requires capital expenditures to the facility, such as major modifications or construction of a new wastewater treatment facility, the Permittee shall attain compliance as soon as possible but no later than DATE <b>[four years after permit expiration; TBD by issuance date]</b>. [Minn. R. 7001]</p>
5.11.34	<p>If the Permittee withdraws from the RRBC facilitated planning process, this permit will be modified and phosphorus limits will be developed based on current Code of Federal Regulation Title 40 Part 122 and Minnesota Statutes and Rules. [Minn. R. 7001]</p>
5.11.35	<p>The Permittee, as part of the RRBC planning process, shall submit an initial scope of work outlining the objectives, tasks, and timelines for developing the RRBMP. The scope of work and tasks listed in item A are due by April 1, 2022. The scope of work must include, but is not limited to, the following tasks:</p> <ul style="list-style-type: none"> <li>A. An outline of the goals, objectives, and timelines of the RRBMP and how meeting those goals will contribute to protection and restoration of Lake Winnipeg;</li> <li>B. Define the area/scope that the RRBMP will cover;</li> <li>C. Develop a list of the participating members that will be part of the RRBC or RRBMP planning process;</li> <li>D. Quantification of point and non-point source loads within the Red River Basin; and</li> <li>E. An allocation of total phosphorus reductions between point and non-point sources within the Basin based on Minnesota's portion of a total phosphorus load reduction goal of 700 metric tons per year to be assessed at the U.S./Canadian Border. [Minn. R. 7001]</li> </ul>

5.11.36	The MPCA shall review and approve the initial scope of work for the development of the RRBMP. [Minn. R. 7001]
5.11.37	By April 1, 2023, the Permittee, as part of the RRBC planning process, shall submit a progress report on the development of the RRBMP based on the MPCA approved scope of work. [Minn. R. 7001]
5.11.38	<p>If the Permittee, as part of the RRBC planning process, is making progress as established by the MPCA approved scope of work, then by April 1, 2024, the Permittee shall provide a progress report on the development of the RRBMP.</p> <p>After review of the progress report in requirement 5.11.37, if the Permittee, as part of the RRBC planning process, is not making adequate progress based on the MPCA approved scope of work, the MPCA will begin the MPCA-led effort to develop a point source phosphorus reduction strategy in the beginning of the third year after permit issuance. [Minn. R. 7001]</p>
5.11.39	By April 1, 2025, the Permittee, as part of the RRBC planning process, shall submit a progress report on the development of the RRBMP based on the MPCA approved scope of work. [Minn. R. 7001]
5.11.40	By March 30, 2026, if an agreement is reached between the Permittees and the MPCA on the RRBMP as facilitated by the RRBC or the MPCA per requirement 5.11.38, any new phosphorus effluent limits or other phosphorus controls for the Permittee shall be established in a manner consistent with the RRBMP. [Minn. R. 7001]
5.11.41	If the schedule of actions in the RRBMP indicates that attainment of limits will involve construction actions to the Permittee's own wastewater treatment facility, the Permittee shall submit an amended permit application with a schedule for any necessary planning, attainment of funding, and construction actions with their amended permit application. [Minn. R. 7001]
5.11.42	By March 30, 2026, if an agreement is not reached on the RRBMP, the MPCA will set final phosphorus effluent limits based on current Code of Federal Regulation Title 40 Part 122 and Minnesota Statutes and Rules. [Minn. R. 7001]
	<b>Mercury Minimization Plan</b>
5.12.43	The Permittee is required to complete and submit a Mercury Pollutant Minimization Plan (MMP) to the MPCA as detailed in this section. If the Permittee has previously submitted a MMP, it shall update its MMP and submit the updated MMP to the MPCA. The purpose of the MMP is to evaluate collection and treatment systems to determine possible sources of mercury as well as potential mercury reduction options. Guidelines for developing a MMP are detailed in this section. [Minn. R. 7001]
5.12.44	The specific mercury monitoring requirements are detailed in the limits and monitoring section of this permit. Information gained through the MMP process can be used to reduce mercury concentrations. As part of its mercury control strategy, the Permittee should consider selecting activities based on the potential of those activities to reduce mercury loadings to the wastewater treatment facility. [Minn. R. 7001]
5.12.45	The Permittee shall submit a mercury pollutant minimization plan : Due by 180 days after permit issuance. [Minn. R. 7001]
5.12.46	<p>At a minimum, the MMP shall include the following:</p> <ul style="list-style-type: none"> <li>a. A summary of mercury influent and effluent concentrations and biosolids monitoring data using the most recent five years of monitoring data, if available.</li> <li>b. Identification of existing and potential sources of mercury concentrations and/or loading to the facility. As appropriate for your facility, you should consider residential, institutional, municipal, and commercial sources (such as dental clinics, hospitals, medical clinics, nursing homes, schools, laundries, and industries with potential for mercury contributions). You should also consider other influent mercury sources, such as stormwater inputs, ground water (inflow &amp; infiltration) inputs, lift station components, and waste streams or sewer tributaries to the wastewater treatment facility.</li> <li>c. An evaluation of past and present WWTF operations to determine those operating procedures that maximize mercury removal.</li> <li>d. A summary of any mercury reduction activities implemented during the last five years.</li> <li>e. A plan to implement mercury management and reduction measures during the next five years. [Minn. R. 7001]</li> </ul>

	<b>Phosphorus Management Plan</b>
5.13.47	The Permittee shall submit a phosphorus management plan : Due by 180 days after permit issuance. [Minn. R. 7001]
5.13.48	At a minimum, the PMP shall include the following: <ul style="list-style-type: none"> <li>a. A summary of influent and effluent concentrations, mass loadings, and percent removal calculations using the most recent five years of monitoring data, if available.</li> <li>b. Identification of existing and potential sources of elevated phosphorus concentrations and/or loading to the facility. As appropriate for the facility, consider residential, institutional, municipal, and commercial sources.</li> <li>c. An evaluation of past and present WWTF operations to determine those operating procedures that maximize phosphorus removal.</li> <li>d. A summary of any phosphorus reduction activities implemented during the last five years.</li> <li>e. Phosphorus management and reduction goals for the next five years using the information collected in A through D above.</li> <li>f. A plan to implement phosphorus management and reduction measures during the next five years.</li> </ul> <p>PMP guidance can be found on the MPCA internet at <a href="http://www.pca.state.mn.us/enzq8fa">http://www.pca.state.mn.us/enzq8fa</a> or by contacting the compliance staff listed on the cover page of this permit. [Minn. R. 7001]</p>
	<b>Pond System</b>
5.14.49	Bypass Structures. [Minn. R. 7001]
5.14.50	All structures capable of bypassing the treatment system shall be manually controlled and kept locked at all times. [Minn. R. 7001.0150, 3(F)]
5.14.51	Sanitary Sewer Extension Permit. [Minn. R. 7001]
5.14.52	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. 3(b). [Minn. R. 7001.0150, 3(F)]
5.14.53	Operator Certification. [Minn. R. 7001]
5.14.54	The Permittee shall provide a Class D state certified operator who is in direct responsible charge of the operation, maintenance and testing functions required to ensure compliance with the terms and conditions of this permit. [Minn. R. 9400.0400, 1(A)]
5.14.55	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 the certified operator's name, certificate number, company name if appropriate, the period covered by the contract and provisions for renewal; the duties and responsibilities of the certified operator; the duties and responsibilities of the permittee; and provisions for notifying the MPCA 30 days in advance of termination if the contract is terminated prior to the expiration date. [Minn. R. 9400.0400, 1(A)]
5.14.56	The Permittee shall notify the MPCA within 30 days of a change in operator certification or contract status. [Minn. R. 7001.0150, 3(F)]
5.14.57	Ponds - Acceptable Discharge Periods. [Minn. R. 7001]
5.14.58	Acceptable Discharge Periods are March 1 through June 30 and September 1 through December 31 for facilities located in the Detroit Lakes, Brainerd and Duluth regions. [Minn. R. 7001.0150, 3(F)]
5.14.59	Effluent limitations for this permit have been assigned based upon the assumption that the pond will be discharged no more than six (6) inches per day and that receiving waters exhibit favorable flow and reaeration characteristics during the acceptable discharge periods. [Minn. R. 7001.0150, 3(F)]
5.14.60	Ponds - Discharges Outside Acceptable Discharge Periods. [Minn. R. 7001]
5.14.61	For discharges occurring outside the acceptable discharge periods, refer to the "Stabilization Pond Guidance Discharge Guidance" located at <a href="http://www.pca.state.mn.us/water/wastewater.html#operation">www.pca.state.mn.us/water/wastewater.html#operation</a> . If any of the discharge occurs outside of the acceptable discharge periods, the Permittee shall notify the MPCA of the potential noncompliance prior to discharge. The Permittee shall call the appropriate regional office and indicate that the call is for notification of a pond discharge. [Minn. R. 7001.0150, 3(F)]



5.14.62	The Permittee shall allow an adequate dilution ratio for any discharge outside of acceptable discharge periods or to an ice covered receiving water. If an adequate dilution ratio is not available, the Permittee shall monitor the receiving water as specified in the Stabilization Pond Discharge Guidance. [Minn. R. 7001.0150, 3(F)]
5.14.63	For any discharge outside of acceptable discharge periods or to an ice covered receiving water, the Permittee shall submit a "Discharge Evaluation Report" on a form provided in the "Stabilization Pond Discharge Guidance" located at <a href="http://www.pca.state.mn.us/water/wastewater.html#operation">www.pca.state.mn.us/water/wastewater.html#operation</a> . [Minn. R. 7001.0150, 3(F)]
5.14.64	Ponds - Discharge Rate. [Minn. R. 7001]
5.14.65	The discharge rate shall be limited so as not to create a shock load on the receiving waters, disturb the pond bottom sediment in the area of the intake of the outfall structure or flood downstream properties. If the drawdown rate should exceed six (6) inches per day, call the MPCA at the appropriate regional office and indicate that the call is for notification of a pond discharge. [Minn. R. 7001.0150, 3(F)]
5.14.66	Ponds - Pre-discharge Sampling. [Minn. R. 7001]
5.14.67	If pre-discharge sample results indicate that one or more of the effluent limitations may be exceeded, the Permittee shall notify the MPCA of potential noncompliance prior to discharge. The Permittee shall call the MPCA at the appropriate regional office and indicate that the call is for notification of a pond discharge. [Minn. R. 7001.0150, 3(F)]
5.14.68	Samples shall be taken from four sides of the pond and composited prior to discharge and analyzed for permitted parameters. This sampling shall be taken no more than two weeks prior to the beginning of the discharge; dissolved oxygen and pH (both are field tests) shall be taken no more than 24 hours prior to the beginning of the discharge. If more than two weeks pass prior to the beginning of discharge, additional pre-discharge samples shall be obtained and analyzed prior to discharge. [Minn. R. 7001.0150, 3(F)]
5.14.69	Ponds - Observations. [Minn. R. 7001]
5.14.70	The Permittee shall inspect the pond system weekly, and shall take measurements of pond water depth, estimate the coverage of aquatic plants, floating mats and ice cover on the surface of the ponds, and note odors, the condition of the dikes and the presence of muskrats. The Permittee shall maintain records of these weekly inspections for the last three (3) years, and submit the results on the Discharge Monitoring Report (DMR) supplemental form. [Minn. R. 7001.0150, 3(F)]
5.14.71	The Permittee shall maintain daily precipitation records. [Minn. R. 7001.0150, 3(F)]
	<b>Pretreatment: Undelegated Requirements</b>
5.15.72	Pretreatment - Definitions. [Minn. R. 7049]
5.15.73	An "Individual Control Mechanism" is a document, such as an agreement or permit, that imposes limitations or requirements on an individual industrial user of the POTW. [Minn. R. 7049]
5.15.74	"Significant Industrial User" (SIU) means any industrial user that: <ul style="list-style-type: none"> <li>a. discharges 25,000 gallons per day or more of process wastewater;</li> <li>b. contributes a load of five (5) % or more of the capacity of the POTW; or</li> <li>c. is designated as significant by the Permittee or the MPCA on the basis that the SIU has a reasonable potential to adversely impact the POTW, or the quality of its effluent or residuals. [Minn. R. 7049]</li> </ul>
5.15.75	Pretreatment - Permittee Responsibility to Control Users. [Minn. R. 7049]
5.15.76	It is the Permittee's responsibility to regulate the discharge from users of its wastewater treatment facility. The Permittee shall prevent any pass through of pollutants or any inhibition or disruption of the Permittee's facility, 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]

5.15.77	<p>The Permittee shall prohibit the discharge of the following to its wastewater treatment facility:</p> <ul style="list-style-type: none"> <li>a. pollutants which create a fire or explosion hazard, including any discharge with a flash point less than 60 degrees C (140 degrees F);</li> <li>b. pollutants which would cause corrosive structural damage to the POTW, including any waste stream with a pH of less than 5.0;</li> <li>c. solid or viscous pollutants which would obstruct flow;</li> <li>d. 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);</li> <li>e. pollutants which produce toxic gases, vapors, or fumes that may endanger the health or safety of workers; or</li> <li>f. 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. [Minn. R. 7049]</li> </ul>
5.15.78	<p>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 wastewater treatment facility 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]</p>
5.15.79	<p>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]</p>
5.15.80	<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: pollutants limited in this permit, pollutants for which monitoring is required in this permit, pollutants that are likely to cause inhibition of the Permittee's POTW, pollutants which may interfere with sludge disposal, and pollutants for which the Permittee's treatment facility has limited capacity. [Minn. R. 7049]</p>
5.15.81	<p>Control of Significant Industrial Users. [Minn. R. 7049]</p>
5.15.82	<p>The Permittee shall impose pretreatment requirements on SIUs which will 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>
5.15.83	<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>
5.15.84	<p>Monitoring of Significant Industrial Users. [Minn. R. 7049]</p>
5.15.85	<p>The Permittee shall obtain from SIUs specific information 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>
5.15.86	<p>Reporting and Notification. [Minn. R. 7049]</p>
5.15.87	<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>

5.15.88	<p>The Pretreatment Annual Report shall be submitted on forms provided by the agency or shall provide equivalent information.</p> <p>The Permittee shall submit the pre-treatment report to the following address:</p> <p>MPCA          Attn: WQ Submittals Center          520 Lafayette Road North          St. Paul, Minnesota 55155-4194. [Minn. R. 7049]</p>
5.15.89	<p>The Permittee shall notify the MPCA in writing of any:</p> <ul style="list-style-type: none"> <li>a. SIU of the Permittee's POTW which has not been previously disclosed to the MPCA;</li> <li>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 chapter; or</li> <li>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.</li> </ul> <p>This notification shall be submitted within 30 days of identifying the IU as a SIU. Where changes are proposed, they shall be submitted prior to changes being made. [Minn. R. 7049]</p>
5.15.90	<p>Upon notifying the MPCA of a SIU or change in a SIU discharge as required above, the Permittee shall submit the following information on forms provided by the agency or in a comparable format:</p> <ul style="list-style-type: none"> <li>a. the identity of the SIU and a description of the SIU's operation and process;</li> <li>b. a characterization of the SIU's discharge;</li> <li>c. the required local limits that will be imposed on the SIU;</li> <li>d. a technical justification of the required local limits; and</li> <li>e. a plan for monitoring the SIU which is consistent with monitoring requirements in this chapter. [Minn. R. 7049]</li> </ul>
5.15.91	<p>In addition, the Permittee shall, upon request, submit the following to the MPCA for approval:</p> <ul style="list-style-type: none"> <li>a. additional information on the SIU, its processes and discharge;</li> <li>b. a copy of the individual control mechanism used to control the SIU;</li> <li>c. the Permittee's legal authority to be used for regulating the SIU; and</li> <li>d. the Permittee's procedures for enforcing the requirements imposed on the SIU. [Minn. R. 7049]</li> </ul>
5.15.92	<p>The Permittee shall notify MPCA of any of its industrial users that may be subject to national categorical pretreatment standards. [Minn. R. 7049]</p>
5.15.93	<p>This permit may be modified in accordance with Minnesota Rules, 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 (NPDES/SDS)</b></p>	
5.16.94	<p><b>Definitions.</b> Refer to the Permit User's Manual found on the MPCA's website (<a href="https://www.pca.state.mn.us">https://www.pca.state.mn.us</a>) for standard definitions. [Minn. R. 7001]</p>
5.16.95	<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>
5.16.96	<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>
5.16.97	<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>

5.16.98	<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]
5.16.99	<b>Property Rights.</b> This permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, subp. 3(C)]
5.16.100	<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)]
5.16.101	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)]
5.16.102	<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)]
5.16.103	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)]
5.16.104	<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]
5.16.105	<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]
5.16.106	<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)]
5.16.107	<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)]
5.16.108	<b>Sampling.</b> [Minn. R. 7001]
5.16.109	<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)]
5.16.110	<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)]
5.16.111	<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]

5.16.112	<p><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]</p>
5.16.113	<p><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 &amp; C)]</p>
5.16.114	<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 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>
5.16.115	<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>
5.16.116	<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 PM 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 or by mail. The Permittee shall submit reports by the date specified in this permit. For electronic submittals, the Permittee shall submit on or before 11:59 PM on the date specified in this permit. For mailed submittals, the Permittee shall ensure that submittals via U.S. Postal Service or other hand delivery method contain postmarks by the date specified in this permit. Whole Effluent Testing (WET) and Pretreatment Annual Reports must be mailed to the WQ Submittals Center.</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></p> <p>Or by mail: Attention: WQ Submittals Center Minnesota Pollution Control Agency 520 Lafayette Road North St. Paul, MN 55155-4191. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(H)]</p>

5.16.117	<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>
5.16.118	<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>
5.16.119	<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> <p>A. If some values are less than (&lt;) the RL, substitute zero for all non-detectable values to use in the average calculation;</p> <p>B. If all values are less than (&lt;) the RL, calculate the average and report as &lt; the RL average concentration; and</p> <p>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)]</p>
5.16.120	<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>
5.16.121	<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>
5.16.122	<p><b>Noncompliance and Enforcement.</b> [Minn. R. 7001]</p>
5.16.123	<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>
5.16.124	<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>
5.16.125	<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>

5.16.126	<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>
5.16.127	<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>
5.16.128	<p><b>Release.</b> [Minn. R. 7001]</p>
5.16.129	<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>
5.16.130	<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 1(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 1(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>

5.16.131	<p><b>Sampling of a Release.</b> Upon discovery of a release, the Permittee shall:</p> <p>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</p> <p>B. Submit the sampling results on the Release Report located on the MPCA's website at <a href="https://www.pca.state.mn.us/water/discharge-monitoring-reports">https://www.pca.state.mn.us/water/discharge-monitoring-reports</a>.</p> <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>
5.16.132	<p><b>Bypass.</b> [Minn. R. 7001]</p>
5.16.133	<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> <p>A. The proposed date and estimated duration of the bypass;</p> <p>B. The alternatives to bypassing; and</p> <p>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)]</p>
5.16.134	<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 1(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 1(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>
5.16.135	<p><b>Operation and Maintenance.</b> [Minn. R. 7001]</p>
5.16.136	<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>



5.16.137	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)]
5.16.138	<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]
5.16.139	<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)]
5.16.140	<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)]
5.16.141	<b>Changes to the Facility or Permit.</b> [Minn. R. 7001]
5.16.142	<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.  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]
5.16.143	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.  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]
5.16.144	<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)]

5.16.145	<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 website at <a href="https://www.pca.state.mn.us/water/wastewater-additional-guidance-and-information">https://www.pca.state.mn.us/water/wastewater-additional-guidance-and-information</a>:</p> <ul style="list-style-type: none"><li>A. The process for which the additive will be used;</li><li>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;</li><li>C. A complete product use and instruction label;</li><li>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</li><li>E. The proposed method of application, application frequency, concentration, and daily average and maximum rates of use.</li></ul> <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>
5.16.146	<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>
5.16.147	<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>
5.16.148	<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>

5.16.149	<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>
5.16.150	<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>
5.16.151	<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

SD 004	Effluent To Surface Water	<b>Surface Discharge: Major Stabilization Pond Effluent 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>Acute Toxicity Requirements</b>
		6.2.2 The Permittee shall submit annual acute toxicity test battery results : Due 180 calendar days after Permit Issuance Date, and annually thereafter. [Minn. R. 7001]
		<b>Priority Pollutant Requirements</b>
		6.3.3 The Permittee shall submit the first priority pollutant monitoring report : Due 1095 calendar days before Permit Expiration Date. (By two years after permit issuance date). [Minn. R. 7001]
6.3.4 The Permittee shall submit the second priority pollutant monitoring report : Due 730 calendar days before Permit Expiration Date. (By three years after permit issuance date). [Minn. R. 7001]		
6.3.5 The Permittee shall submit the third priority pollutant monitoring report : Due 365 calendar days before Permit Expiration Date. (By four years after permit issuance date). [Minn. R. 7001]		
SD 005	Effluent To Surface Water	<b>Surface Discharge: Major Stabilization Pond Effluent 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)]
WS 001	Influent Waste	<b>Waste Stream: Stabilization Pond 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)]
MN0021431	Thief River Falls WWTP	<b>Mercury Minimization Plan</b>
		6.6.1 The Permittee shall submit a mercury pollutant minimization plan : Due by 180 days after permit issuance. [Minn. R. 7001]
		<b>Phosphorus Management Plan</b>
		6.7.2 The Permittee shall submit a phosphorus management plan : Due by 180 days after permit issuance. [Minn. R. 7001]
		<b>Pretreatment: Undelegated Requirements</b>
		6.8.3 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]
		<b>Total Facility Requirements (NPDES/SDS)</b>
		6.9.4 <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

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	
SD 004 Discharge from 88-acre secondary cell	BOD, Carbonaceous 05 Day (20 Deg C)	813 calendar month average	1355 maximum calendar week average	kilograms per day		15 calendar month average	40 maximum calendar week average	milligrams per liter	twice per week	Grab	Jan-Dec	
SD 004 Discharge from 88-acre secondary cell	Fecal Coliform, MPN or Membrane Filter 44.5C					200 calendar month geometric mean		organisms per 100 milliliter	twice per week	Grab	May- Oct	
SD 004 Discharge from 88-acre secondary cell	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	Jan-Feb, Jul, Aug	The intervention limit is 0 MG. If this limit is exceeded, the Permittee must take action as described in the Pond Discharges Outside of Acceptable Periods section of the permit.
SD 004 Discharge from 88-acre secondary cell	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	Mar- Jun, Sep-Dec	
SD 004 Discharge from 88-acre secondary cell	Mercury, Dissolved (as Hg)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	twice per half year	Grab	Jan-Dec	
SD 004 Discharge from 88-acre secondary cell	Mercury, Total (as Hg)					10.2 calendar month average	19.4 daily maximum	nanograms per liter	twice per half year	Grab	Jan-Dec	
SD 004 Discharge from 88-acre secondary cell	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-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	
SD 004 Discharge from 88-acre secondary cell	Nitrogen, Ammonia, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per half year	Grab	Jan-Dec	
SD 004 Discharge from 88-acre secondary cell	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 004 Discharge from 88-acre secondary cell	Nitrogen, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Calculation	Jan-Dec	
SD 004 Discharge from 88-acre secondary cell	Oxygen, Dissolved				Monitor only. calendar month minimum			milligrams per liter	twice per week	Grab	Jan-Dec	
SD 004 Discharge from 88-acre secondary cell	pH				6.0 calendar month minimum		9.0 calendar month maximum	standard units	twice per week	Grab	Jan-Dec	
SD 004 Discharge from 88-acre secondary cell	Phosphorus, Total (as P)	Monitor only. calendar month average		kilograms per day		Monitor only. calendar month average		milligrams per liter	twice per week	Grab	Jan-Dec	
SD 004 Discharge from 88-acre secondary cell	Solids, Total Dissolved (TDS)					Monitor only. calendar month average		milligrams per liter	once per half year	Grab	Jan-Dec	
SD 004 Discharge from 88-acre secondary cell	Solids, Total Suspended (TSS)	2440 calendar month average	3524 maximum calendar week average	kilograms per day		45 calendar month average	65 maximum calendar week average	milligrams per liter	twice per week	Grab	Jan-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	
SD 004 Discharge from 88-acre secondary cell	Solids, Total Suspended (TSS), grab (Mercury)					Monitor only. calendar month average	Monitor only. daily maximum	milligrams per liter	twice per half year	Grab	Jan-Dec	
SD 005 Discharge from the west 131-acre primary cell	BOD, Carbonaceous 05 Day (20 Deg C)	1211 calendar month average	3228 maximum calendar week average	kilograms per day		15 calendar month average	40 maximum calendar week average	milligrams per liter	twice per week	Grab	Jan-Dec	
SD 005 Discharge from the west 131-acre primary cell	Fecal Coliform, MPN or Membrane Filter 44.5C					200 calendar month geometric mean		organisms per 100 milliliter	twice per week	Grab	May-Oct	
SD 005 Discharge from the west 131-acre primary cell	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	Jan-Feb, Jul, Aug	The intervention limit is 0 MG. If this limit is exceeded, the Permittee must take action as described in the Pond Discharges Outside of Acceptable Periods section of the permit.
SD 005 Discharge from the west 131-acre primary cell	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	Mar-Jun, Sep-Dec	
SD 005 Discharge from the west 131-acre primary cell	Mercury, Dissolved (as Hg)					Monitor only. calendar month average	Monitor only. daily maximum	nanograms per liter	twice per half year	Grab	Jan-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	
SD 005 Discharge from the west 131-acre primary cell	Mercury, Total (as Hg)					10.2 calendar month average	19.4 daily maximum	nanograms per liter	twice per half year	Grab	Jan-Dec	
SD 005 Discharge from the west 131-acre primary cell	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 005 Discharge from the west 131-acre primary cell	Nitrogen, Ammonia, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per half year	Grab	Jan-Dec	
SD 005 Discharge from the west 131-acre primary cell	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per month	Calculation	Jan-Dec	
SD 005 Discharge from the west 131-acre primary cell	Nitrogen, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 005 Discharge from the west 131-acre primary cell	Oxygen, Dissolved					Monitor only. calendar month minimum		milligrams per liter	twice per week	Grab	Jan-Dec	
SD 005 Discharge from the west 131-acre primary cell	pH					6.0 calendar month minimum	9.0 calendar month maximum	standard units	twice per week	Grab	Jan-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	
SD 005 Discharge from the west 131-acre primary cell	Phosphorus, Total (as P)	Monitor only. calendar month average		kilograms per day		Monitor only. calendar month average		milligrams per liter	twice per week	Grab	Jan-Dec	
SD 005 Discharge from the west 131-acre primary cell	Solids, Total Dissolved (TDS)					Monitor only. calendar month average		milligrams per liter	once per half year	Grab	Jan-Dec	
SD 005 Discharge from the west 131-acre primary cell	Solids, Total Suspended (TSS)	3632 calendar month average	5246 maximum calendar week average	kilograms per day		45 calendar month average	65 maximum calendar week average	milligrams per liter	twice per week	Grab	Jan-Dec	
SD 005 Discharge from the west 131-acre primary cell	Solids, Total Suspended (TSS), grab (Mercury)					Monitor only. calendar month average	Monitor only. daily maximum	milligrams per liter	twice per half year	Grab	Jan-Dec	
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	Mercury, Total (as Hg)					Monitor only. calendar month average	Monitor only. Daily maximum	nanograms per liter	twice per half year	Grab	Jan-Dec	
WS 001 Influent Waste Stream	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar quarter average		milligrams per liter	once per quarter	4-Hour Flow Composite	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	Nitrogen, Kjeldahl, Total					Monitor only. calendar quarter average		milligrams per liter	once per quarter	4-Hour Flow Composite	Mar, Jun, Sep, Dec	
WS 001 Influent Waste Stream	Nitrogen, Total (as N)					Monitor only. calendar quarter average		milligrams per liter	once per quarter	Calculation	Mar, Jun, Sep, Dec	
WS 001 Influent Waste Stream	pH						Monitor only. calendar quarter maximum	standard units	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 001 Influent Waste Stream	Phosphorus, Total (as P)					Monitor only. calendar quarter average		milligrams per liter	once per quarter	4-Hour Flow Composite	Mar, Jun, Sep, Dec	
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	