

**National Pollutant Discharge Elimination System/State Disposal System
MNG580057**

Permittee: City of Danube
Facility name: Danube Wastewater Treatment Facility
Receiving water: County Ditch 37 (2) - Class 2Bg, 3, 4A, 4B, 5, 6 water
City or Township: Danube **County:** Renville
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.

Although this permit is effective on the issuance date identified above, the limits and monitoring requirements are not effective until XX/01/XXXX. This permit is effective on the issuance date identified above. This permit expires at midnight on the expiration date identified above.

Signature:

for the Minnesota Pollution Control Agency

This document has been electronically signed.

Paul Kimman
Supervisor
Southeast/Southwest 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

Submit WQ reports to:

Electronically: 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

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 Danube Wastewater Treatment Facility (WWTF) (Facility) is located at 82635 290th Street, Danube, Minnesota 56230, Renville County.

The Danube Facility is located in the North $\frac{1}{2}$ of the Southwest $\frac{1}{4}$, Section 8, Range 35 West, Township 115 North, Troy Township, Renville County, Minnesota.

The application and plans indicate that the existing Facility consists of one lift station, approximately 5,850 feet of six-inch force main, and a two-cell stabilization pond system. This is a Class D facility.

The Facility has a controlled discharge (SD 001) to County Ditch No 37 (Class 2B, 3C, 4A, 4B, 5, 6 water). The Facility is designed to treat an average wet weather (AWW) design flow of 67,000 gallons per day (gpd) with a five-day carbonaceous biochemical oxygen demand (CBOD₅) concentration of 269 milligrams per liter (mg/L). The primary pond cell has a surface area of 7.66 acres, and the secondary cell has a surface area of 3.96 acres, each measured at the four-foot mean operating depth. The pond system provides a total detention time of 228 days at design flow.

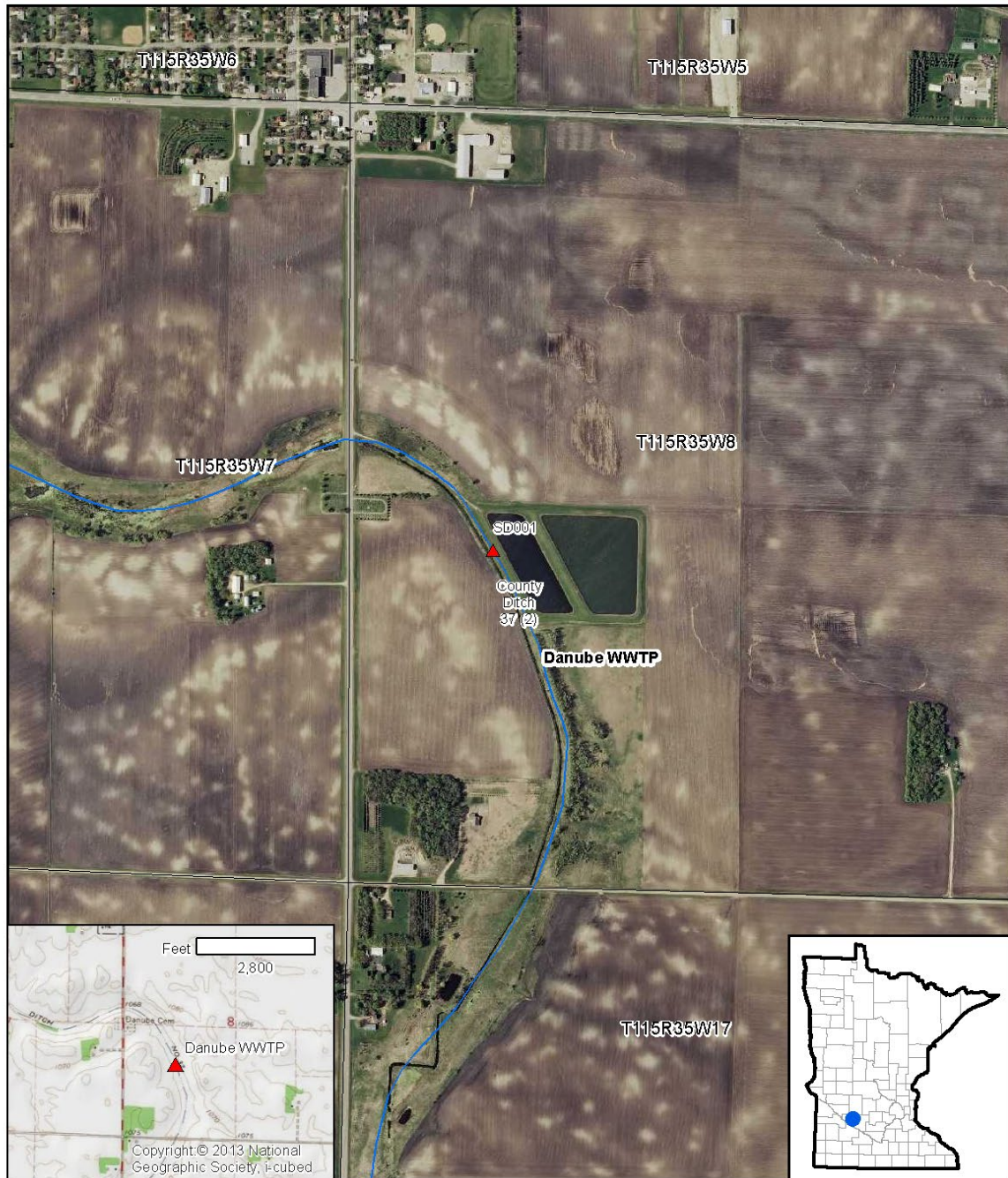
Changes to the Facility may result in an increase in pollutant loading to surface waters or other causes of degradation to surface waters. If a change to the Facility will result in a net increase in pollutant loading or other causes of degradation that exceed the maximum loading authorized through conditions 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 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

Overview of Danube WWTP



Map produced by: MPCA Staff, 3/19/2018
Source: USGS Imagery Topo Basemap
Main Map Scale: 1:10,740

0 0.1 0.2 0.4 Miles



3. Summary of stations and station locations

Station	Type of station	Local name	PLS location
SD 001	Effluent To Surface Water	Total Facility Discharge	T115N, R35W, S08, SW Quarter
WS 001	Influent Waste	Influent Waste Stream	T115N, R35W, S08, SW Quarter

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4. Permit requirements

SD 001	Effluent To Surface Water	
Surface Discharge: MNG585 Effluent Requirements		
	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	Permittees shall collect samples for the Effluent to Surface Water station at a point representative of total facility discharge. [Minn. R. 7001.0150, Subp. 2(B)]
	5.1.4	Permittees shall submit monitoring results for discharges in accordance with the limits and monitoring requirements for this station. If no discharge or no flow occurred during the reporting period, Permittees shall check the "No Discharge/No Flow" box on the Discharge Monitoring Report (DMR). [Minn. R. 7001.0150, Subp. 2(B)]
	5.1.5	Monitoring with a frequency of once per half year and an effective period of Jan-Dec shall be taken once during the spring discharge event and once during the fall discharge event. See the acceptable discharge period requirements in the Permit for information on spring and fall discharge events. Permittees must report the spring and fall discharge results on the DMR that reflects when they took each sample. If Permittees did not complete the half-year monitoring during the current monitoring period, Permittees shall leave the boxes blank on the Sample Values and DMR form and include a comment on the DMR indicating whether they already fulfilled half-year monitoring or will complete monitoring later during the half-year. Permittees shall not report "0" or "N/A" in the DMR parameter field. [Minn. R. 7001.0150, Subp. 2(B)]
	5.1.6	For monitoring requirements with a frequency of once per year and an effective period of Jan-Dec, Permittees shall monitor any time during the year and report the results on the DMR for the month when they collected the sample. If Permittees did not complete the monitoring during the current monitoring period, Permittees shall leave the boxes blank on the Sample Values and DMR form and include a comment on the DMR indicating whether they already fulfilled once per year monitoring or will complete the monitoring later in the year. Permittees shall not report "0" or "N/A" in the DMR parameter field. [Minn. R. 7001.0150, Subp. 2(B)]
WS 001	Influent Waste	
Waste Stream: MNG585 Influent Requirements		
	5.2.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2.2	Sampling Location. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2.3	Permittees shall collect samples for the Influent Waste Stream Station at a point representative of the total facility influent. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2.4	Permittees may monitor parameters that have a monitoring frequency of once per quarter and an effective period of Mar, Jun, Sep, Dec any time during that calendar quarter. Permittees must report their monitoring results on the sample values in the month they conducted the monitoring and on the DMR at the end of the quarter (e.g. Permittees shall report the sample for the first calendar quarter of Jan-Mar on the sample values spreadsheet in the month the sample is collected and on the March DMR). [Minn. R. 7001.0150, Subp. 2(B)]
MNG585057	Danube WWTP	
Wastewater Pond General Permit Requirements		
	5.3.1	Authorization. [Minn. R. 7001]

5.3.2	The MNG585000 Wastewater Pond General Permit (Permit) authorizes Permittees to treat and discharge wastewater in accordance with the provisions of this Permit only after: a. the Permittees seeking authorization to discharge under the general Permit submit all necessary application forms to be covered under the general Permit; b. the Permittees meet all the eligibility criteria listed below; and c. the Permittees receive a written Notice of Coverage (NOC) indicating that the MPCA granted coverage. [Minn. R. 7001.0210]
5.3.3	General Permit Eligibility Criteria. [Minn. R. 7001]
5.3.4	The Permittee's facility (facility) is an existing stabilization and/or aerated pond system with a controlled surface water discharge that treats domestic-strength wastewater and is MPCA-classified as a Class D facility. Facilities that have land disposal activities (e.g. spray irrigation, rapid infiltration basins) or additional treatment components (e.g. septic tanks) are ineligible for the Permit. [Minn. R. 7001.0210]
5.3.5	The facility has an average wet weather (AWW) design flow of less than one million gallons per day (mgd). [Minn. R. 7001.0210]
5.3.6	The facility does not require additional limits and/or monitoring beyond what the Permit lists in the limits and monitoring table. In addition, the facility does not require additions to the Permit's narrative requirements, such as a compliance or construction schedule. [Minn. R. 7001.0210]
5.3.7	New discharges to surface water require coverage under an individual permit until completion of construction of the facility prior to qualification under the Permit. [Minn. R. 7001.0210]
5.3.8	The Permittee does not propose a facility upgrade or expansion that would trigger an antidegradation review. [Minn. R. 7001.0210]
5.3.9	The Permittee is not proposing a new discharge to an Outstanding Resource Value Water (ORVW). [Minn. R. 7001.0210]
5.3.10	The facility does not have significant compliance issues as determined by MPCA staff. [Minn. R. 7001.0210]
5.3.11	The facility does not receive excessive flows that result in upsets, permit violations, or unauthorized discharges/bypassing from the collection system or facility, or result in regular discharges outside the designated discharge period. The MPCA may allow coverage under the Permit for facilities that are experiencing excessive flows provided the NOC contains Inflow and Infiltration Evaluation Plan requirements to investigate and address the excessive flows (see the Inflow and Infiltration (I/I) Evaluation Plan heading in this Permit). The MPCA may not grant coverage under the Permit if a facility completed an Inflow and Infiltration Plan and the facility is still receiving excessive flows. [Minn. R. 7001.0210]
5.3.12	The facility has at least 180 days of storage if located south of the 46 degrees 25 minutes north latitude (approximately the latitude of Brainerd) and 210 days of storage for facilities north of this line unless previously approved by the MPCA for something less. If design capacity is less than 180 days and 210 days respectively, Permittees may show that actual flows allow for 180 days and 210 days respectively. The MPCA may also require Permittees submit additional documentation demonstrating what the predicted flow conditions are for the life of the permit. [Minn. R. 7001.0210]
5.3.13	The facility's ponds do not exceed the allowable seepage rate of 500 gallons per acre per day if the facility built the pond on or after May 16, 1975 and 3,500 gallons per acre per day if the facility built the pond before May 16, 1975. The MPCA may allow coverage under the Permit for facilities suspected to be leaking excessively provided the NOC contains a Leaking Pond Evaluation requirement to investigate the leakage rate (see the Leaking Pond Evaluation Plan heading in this Permit). The MPCA may not grant coverage under the Permit if a facility completed a Leaking Pond Evaluation and the facility is still leaking excessively. [Minn. R. 7001.0210]

5.3.14	<p>The facility was not subject to the 1993 MPCA Administrative Order requiring the preparation of a contingency plan. Wastewater treatment facilities in southeastern Minnesota are at risk of failure because of sinkholes developing beneath the facility. Karst geology presents a potential risk to surface storage ponds or basins because the limestone and dolomite often contain numerous horizontal and vertical fractures and sometimes crevices and caves. The following criteria were used to determine risk potential:</p> <ul style="list-style-type: none"> a. first bedrock is either limestone, dolomite and sometimes sandstone; b. the thickness of subsurface sediments are less than 50 feet thick with an elevated risk if sediments range from 50 to 100 feet thick; and c. the wastewater treatment facility is located in an area that has a history of sinkhole formation. [Minn. R. 7001.0210]
5.3.15	<p>The facility does not hold a NPDES permit issued by the United States Environmental Protection Agency (EPA). [Minn. R. 7001.0210]</p>
5.3.16	<p>Notice of Coverage (NOC). [Minn. R. 7001]</p>
5.3.17	<p>The MPCA will issue NOCs to Permittees who apply for coverage under the Permit, meet all eligibility criteria listed above, and have a completed watershed total phosphorus effluent limits review. The MPCA will issue NOCs to Permittees listed in Attachment 1 as they meet the eligibility criteria and the MPCA completes their watershed total phosphorus effluent limits review. Permittees listed in Attachment 2 do not have a completed watershed effluent limits review; therefore, the MPCA cannot determine eligibility at the time of the Permit's issuance. As the MPCA completes watershed total phosphorus effluent limit reviews for the Permittees listed in Attachment 2, the MPCA will evaluate their coverage eligibility. If the MPCA determines that Permittees are eligible for coverage under the Permit, the MPCA will issue NOCs to those Permittees. The MPCA will place their intent to issue a NOC to Permittees listed in Attachment 2 on public notice prior to issuance of the NOC. [Minn. R. 7001.0210]</p>
5.3.18	<p>The written NOC from the MPCA includes:</p> <ul style="list-style-type: none"> a. a description and topographic map of the location of the facility covered under the Permit and a flow diagram of the treatment process, if available; b. antidegradation language; c. Phosphorus Management Plan requirements, if applicable to the facility; d. Mercury Minimization Plan requirements, if applicable to the facility; e. Inflow and Infiltration Evaluation Plan requirements, if applicable to the facility; f. Leaking Pond Evaluation requirements, if applicable to the facility; g. tile line discharge monitoring requirements, if applicable to the facility; and h. facility specific limits and monitoring requirements. [Minn. R. 7001.0210]
5.3.19	<p>Wastewater Pond General Permit Limits and Monitoring Requirements. [Minn. R. 7001, Minn. R. 7053]</p>
5.3.20	<p>The Permit limits and monitoring table outlines all potential limits and monitoring requirements for facilities covered under the Permit. Permittees issued coverage under the Permit shall comply with the limits and monitoring requirements listed in their NOC. [Minn. R. 7001.0150, Minn. R. 7053]</p>
5.3.21	<p>Facility Specific Limits and Monitoring Requirements. [Minn. R. 7053]</p>
5.3.22	<p>The MPCA assigns limits and monitoring requirements based on the specific operation and design of the treatment facility. The MPCA generally calculates mass limits based on the acreage of the secondary cell(s) and a 6-inch per day discharge rate and that the receiving waters exhibit favorable flow and reaeration characteristics during the acceptable discharge periods. The MPCA lists facility specific mass limits in the limits and monitoring table of the NOC. [Minn. R. 7053]</p>
5.3.23	<p>Phosphorus Requirements. [Minn. R. 7050, Minn. R. 7053]</p>
5.3.24	<p>The MPCA will establish limits for all pond facilities covered under the Permit to ensure compliance with all state water quality standards (Minn. R. 7050.0222), any available wasteload allocation (WLA), and/or a state discharge restriction (SDR) for total phosphorous (Minn. R. 7053.0255). A facility requires a water quality based effluent limit (WQBEL) when the MPCA determines it to be necessary to meet water quality standards of the receiving water [40 CFR Part 122.44(d)]. MPCA guidance defines the determination of reasonable potential and the total phosphorus effluent limit development process (Procedures for Implementing River Eutrophication Standards in NPDES Wastewater Permits in Minnesota, November 2015 or the most recent version). [Minn. R. 7053.0255]</p>

5.3.25	Phosphorus limits and/or monitoring requirements will be listed in the limits and monitoring table of the NOC. [Minn. R. 7001]
5.3.26	"12-Month Moving Average" is a rolling average. To calculate, add all of the calendar month averages during the last 12 months and divide by 12. The MPCA defines the 12-month period as the current month and the previous 11 months. [Minn. R. 7001]
5.3.27	"12-Month Moving Total" is a rolling total. Calculate the calendar month total kilogram per month (kg/mo) loading by multiplying the calendar month total effluent flow by the calendar month average concentration and by the conversion factor of 3.785 for the current month and previous 11 months. Add all results to get the 12-month moving total. [Minn. R. 7001]
5.3.28	"Calendar Year to Date Total" is a total of all samples taken during one calendar year. To calculate; Add all sample values measured from the first of the calendar year to the end date of the current reporting period. When used for loading values (kg/yr), first calculate the calendar month total kg/mo loading by multiplying the calendar month total effluent flow x calendar month average concentration x 3.785, then add all loading values from the first of the calendar year to the end date of the current reporting period. Use the flow from the SD Station to calculate this value. If there is no discharge or flow, check the No Discharge box and don't report any values. [Minn. R. 7001]
5.3.29	Phosphorus Management Plan (PMP). [Minn. R. 7050, Minn. R. 7053]
5.3.30	The MPCA requires facilities that do not have an assigned phosphorus limit complete a PMP. If the MPCA requires a Permittee submit a PMP, the MPCA will list it in their NOC Submittal Action Summary. [Minn. R. 7001]
5.3.31	<p>If a Permittee required to complete a PMP previously submitted one, the Permittee must update its PMP and submit the updated PMP to the MPCA. The intent of the PMP is to help maintain any previous improvements and conduct ongoing evaluations to determine possible source reduction measures, operational improvements, and minor WWTP modifications that reduce phosphorus loadings to the WWTP at a reasonable cost.</p> <p>Permittees can find PMP guidance on the MPCA webpage at http://www.pca.state.mn.us/ or by contacting the compliance staff listed on the NOC cover page. [Minn. R. 7001]</p>
5.3.32	The Permittee shall submit a phosphorus management plan : Due by 180 days after permit issuance. Immediately upon submittal to the MPCA, the Permittee shall implement the PMP for the remainder of the Permit. [Minn. R. 7001]

5.3.33	<p>The PMP shall include, but is not limited to, an evaluation of the following and a PMP plan as outlined below:</p> <ul style="list-style-type: none"> a. WWTP influent reduction measures: <ul style="list-style-type: none"> i. evaluate or re-evaluate the phosphorus reduction potential of users; ii. determine which sources have the opportunity for further reduction of phosphorus (e.g., industrial, commercial, institutional, municipal, and others); iii. determine whether known sources (e.g., restaurant and food preparation) have adopted or can adopt phosphorus minimization and water conservation plans; iv. re-evaluate the need for local limits on influent sources of excessive phosphorus; and v. re-evaluate the appropriateness of existing local limits. b. WWTP effluent reduction measures: <ul style="list-style-type: none"> i. optimize existing treatment processes; ii. assess potential effluent loading and reductions options; and iii. evaluate the potential to avoid discharge between June 1st and September 30th, if not currently required. c. PMP Plan: <ul style="list-style-type: none"> i. a summary of phosphorus reduction activities implemented during the last five years, if applicable; and ii. a plan to implement phosphorus management and reduction measures during the next five years. <p>Permittees can find PMP guidance on the MPCA webpage at http://www.pca.state.mn.us/ or by contacting the compliance staff listed on the cover page of the NOC. [Minn. R. 7001]</p>
5.3.34	<p>Nitrogen Requirements. [Minn. R. 7001]</p>
5.3.35	<p>Facilities that have AWW design flows equal to or greater than 0.1 mgd shall monitor nitrite plus nitrate, total kjeldahl nitrogen and total nitrogen once per quarter at the influent station and once per discharge event at the effluent station.</p> <p>Additionally, these facilities shall monitor ammonia and total dissolved solids at the effluent station once during the spring discharge event and once during the fall discharge event. [Minn. R. 7001]</p>
5.3.36	<p>Facilities that have AWW design flows less than 0.1 mgd shall monitor nitrite plus nitrate, total Kjeldahl nitrogen and total nitrogen two times per year at both the influent and effluent stations. Influent sampling shall occur in March and September of each year. Effluent sampling shall occur once during the spring discharge event and once during the fall discharge event. [Minn. R. 7001]</p>
5.3.37	<p>Permittees shall report "Total Nitrogen" as the summation of the total Kjeldahl nitrogen and total nitrite plus nitrate nitrogen values. [Minn. R. 7001]</p>
5.3.38	<p>The MPCA lists nitrogen limit and monitoring requirements in the NOC limits and monitoring table. [Minn. R. 7001]</p>
5.3.39	<p>Mercury Requirements. [Minn. R. 7001, Minn. R. 7052, Minn. R. 7053]</p>
5.3.40	<p>Facilities that have AWW design flows greater than 0.2 mgd and have no reasonable potential to exceed mercury water quality standards shall monitor total mercury, dissolved mercury and total suspended solids (TSS) grab (Mercury) monitoring at the effluent station once per year and shall report the values on the DMR for the month they collect the samples.</p> <p>The MPCA may assign mercury monitoring and/or limits to facilities that have AWW design flows greater than 0.2 mgd. The MPCA will base any assigned mercury monitoring and/or limits on the facility's AWW flow, location, and/or the determination of its reasonable potential to exceed the mercury water quality standard of the receiving water. [Minn. R. 7001, Minn. R. 7052, Minn. R. 7053]</p>
5.3.41	<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. If EPA approves another mercury analytical method that has a reportable quantitation level that allows for low-level sample characterization and the Minnesota Department of Health certifies that method, Permittees may use that method. [Minn. R. 7001]</p>

5.3.42	The MPCA lists frequency of monitoring and/or limits for total mercury, dissolved mercury and total suspended solids (TSS) grab (Mercury) in the NOC limits and monitoring table. [Minn. R. 7001]
5.3.43	Mercury Minimization Plan (MMP). [Minn. R. 7001, Minn. R. 7052, Minn. R. 7053]
5.3.44	If the MPCA requires a Permittee submit a MMP, the MPCA will list it in their NOC Submittal Action Summary. [Minn. R. 7001]
5.3.45	If a Permittee required to complete a MMP previously submitted one, it must update its MMP and submit the updated MMP to the MPCA. The intent of the MMP is to evaluate collection and treatment systems to determine possible sources of mercury as well as potential mercury reduction options. [Minn. R. 7001]
5.3.46	Permittees can use information gained through the MMP process to reduce mercury concentrations. As part of its mercury control strategy, Permittee should consider selecting activities based on the potential of those activities to reduce mercury loadings to the facility. [Minn. R. 7001]
5.3.47	The Permittee shall submit a mercury pollutant minimization plan : Due by 180 days after permit issuance. Immediately upon submittal to the MPCA, the Permittee shall implement the MMP for the remainder of the Permit. [Minn. R. 7001]
5.3.48	The MMP must include, but is not limited to, an evaluation of the following and a MMP plan as outlined below: a. a summary of mercury influent and effluent concentrations using the most recent five years of monitoring data, if available; b. identification of existing and potential sources of mercury concentrations and/or loading to the facility. As appropriate for the facility, Permittees 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). Permittees should also consider other influent mercury sources, such as stormwater inputs, groundwater inflow & infiltration, lift station components, and waste streams or sewer tributaries to the facility; c. an evaluation of past and present facility operations to determine those operating procedures that maximize mercury removal; d. a summary of any mercury reduction activities implemented during the last five years; and e. a plan to implement mercury management and reduction measures during the next five years. [Minn. R. 7001]
5.3.49	Permittees with facilities that discharge to the Lake Superior Basin shall submit an annual update to the MMP. Permittees shall submit the update to the MPCA Water Quality (WQ) Submittals Center by March 1 of each year following the initial submittal of the MMP. The annual report shall include, but is not limited to: a. all minimization program monitoring results for the year; b. a list of potential sources of mercury; c. a summary of all action taken to reduce mercury in the influent and effluent; and d. any updates to the plan to implement mercury management and reduction measures. [Minn. R. 7001]
5.3.50	Salty Discharge Monitoring. [Minn. R. 7001, Minn. R. 7053]
5.3.51	Facilities that receive salty waste streams from concentrating treatment technologies (e.g. reverse osmosis, ion exchange, etc.) or that have food processing industries using density based (saline) sorting processes shall monitor for the following salty discharge parameters: chloride, calcium and magnesium hardness as CaCO ₃ , specific conductance, total dissolved solids (salts), sulfates as SO ₄ , bicarbonates (HCO ₃), sodium, calcium, magnesium, and potassium at a frequency of once per half year. [Minn. R. 7001, Minn. R. 7053]
5.3.52	The MPCA lists salty discharge limit and monitoring requirements in the NOC limits and monitoring table. [Minn. R. 7053]
5.3.53	Sulfate Monitoring. [Minn. R. 7001, Minn. R. 7050]
5.3.54	Minn. Rules Chapter 7050 includes a sulfate water quality standard for wild rice protection. The MPCA currently has limited information about effluent sulfate levels for wastewater dischargers in Minnesota. In order to determine if sulfate in wastewater effluent has the potential to contribute to a violation of the sulfate standard for wild rice, Permittees with discharges that are upstream of waters known to have wild rice shall be evaluated on a case by case basis. If required, Permittees shall monitor sulfate at the effluent station at a frequency of once per half year. [Minn. R. 7001, Minn. R. 7050]

5.3.55	The MPCA lists sulfate monitoring requirements in the NOC limits and monitoring. [Minn. R. 7001, Minn. R. 7050]
5.3.56	Fecal Coliform Effective Periods. [Minn. R. 7053.0215]
5.3.57	Permittees shall meet the fecal coliform bacteria limits during the effective period as follows: a. discharges to Class 2 waters have a fecal coliform bacteria limit effective period from April 1 through October 31; b. discharges to Class 7 waters have a fecal coliform bacterial limit effective period from May 1 through October 31; and c. discharges that are within 25 miles upstream of a drinking water intake have a year-round fecal coliform bacteria limit effective period, regardless of the classification of the receiving water. [Minn. R. 7053.0215]
5.3.58	The MPCA lists fecal coliform bacteria limit and monitoring requirements in the NOC limits and monitoring table. [Minn. R. 7053.0215]
5.3.59	Waste Stream Station General Requirements. [Minn. R. 7001]
5.3.60	Permittees required to conduct pH analyses shall do so within 15 minutes of sample collection. [Minn. R. 7001]
5.3.61	Samples and measurements required by the Permit shall be representative of the monitored activity. [Minn. R. 7001]
5.3.62	Surface Discharge Station General Requirements. [Minn. R. 7001]
5.3.63	Permittees required to monitor dissolved oxygen, pH and/or specific conductance shall conduct the analyses within 15 minutes of sample collection. [Minn. R. 7001]
5.3.64	Samples and measurements required by the Permit shall be representative of the monitored activity. [Minn. R. 7001]
5.3.65	Permittees shall prohibit floating solids or visible foam discharges in other than trace amounts. [Minn. R. 7001]
5.3.66	Permittees shall prohibit oil or other substance discharges in amounts that create a visible color film. [Minn. R. 7001]
5.3.67	Permittees shall install and maintain outlet protection measures at the discharge stations to prevent erosion. [Minn. R. 7001]
5.3.68	Winter Sampling Conditions. Permittees shall sample flows at designated monitoring stations including when this requires removing ice to sample the water. If Permittees find the station completely frozen throughout on a designated sampling month, they shall check the "No Discharge/No Flow" box on their DMR and note the ice conditions in the Comments section of the DMR. [Minn. R. 7001]
5.3.69	Chlorine Addition Requirements. If Permittees add chlorine for any purpose, they shall monitor the discharge for Total Residual Chlorine (TRC) once per day during chlorine usage. Permittees shall conduct TRC analysis within 15 minutes of sample collection. Permittees shall report the monitoring data as a comment on their next submitted DMR for the affected station. The discharge shall not exceed a 0.038 mg/L TRC concentration. [Minn. R. 7001]
5.3.70	Groundwater Station General Requirements. [Minn. R. 7001]
5.3.71	Samples and measurements required by the Permit shall be representative of the monitored activity. [Minn. R. 7001]
5.3.72	Permittees required to conduct specific conductance analysis shall do so within 15 minutes of sample collection. [Minn. R. 7001]
5.3.73	Pond Requirements. [Minn. R. 7001]
5.3.74	Bypass Structures. Permittees shall manually control and lock all structures capable of unauthorized discharges/bypassing the treatment system. [Minn. R. 7001]
5.3.75	Sanitary Sewer Extension Permit. The MPCA may require Permittees obtain a Sanitary Sewer Extension Permit for any sanitary sewer addition, extension or replacement. If the MPCA requires a sewer extension permit, Permittees may not begin construction until they submit plans and specifications to the MPCA and the MPCA grants a written permit, except as allowed in Minn. Stat. 115.07, subd. 3(b). [Minn. R. 7001]
5.3.76	Operator Certification. [Minn. R. 9400]

5.3.77	Permittees shall provide, at the minimum, 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 NOC terms and conditions. [Minn. R. 9400]
5.3.78	Permittees shall notify the MPCA within 30 days of a change in operator certification or contract status. [Minn. R. 9400]
5.3.79	Acceptable Discharge Periods. [Minn. R. 7001]
5.3.80	For facilities located in the Detroit Lakes, Brainerd and Duluth regions, acceptable discharge periods are March 1 through June 30 (spring discharge) and September 1 through December 31 (fall discharge). If the MPCA requires a more restrictive discharge period, it will list it in the NOC limits and monitoring table. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.81	For facilities located in the Marshall, Rochester, Willmar, Mankato and Metropolitan regions, acceptable discharge periods are March 1 through June 15 (spring discharge) and September 15 through December 31 (fall discharge). If the MPCA requires a more restrictive discharge period, it will list it in the NOC limits and monitoring table. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.82	For new or expanded facilities located in the Minnesota River Basin, acceptable discharge periods are March 1 through May 31 (spring discharge) and October 1 through December 31 (fall discharge). [Minn. R. 7001.0150, Subp. 3(F)]
5.3.83	Discharges Outside of Acceptable Discharge Periods. [Minn. R. 7001]
5.3.84	For discharges occurring outside the acceptable discharge periods, refer to the "Stabilization Pond Discharge Guidance" located on the MPCA website at https://www.pca.state.mn.us . 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, Subp. 3(F)]
5.3.85	Permittees 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, Permittees shall monitor the receiving water. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.86	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 on the MPCA external website at https://www.pca.state.mn.us . [Minn. R. 7001.0150, Subp. 3(F)]
5.3.87	Discharge Requirements. [Minn. R. 7001]
5.3.88	Pond Discharge Rate. Permittees shall limit the discharge rate so as not to create a shock load on the receiving waters, disturb the pond bottom sediment in the area of the intake or flood downstream properties. If the drawdown rate exceeds six (6) inches per day, Permittees shall call the appropriate MPCA regional office and indicate that the call is for notification of a pond discharge. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.89	Limit Calculation Basis. Effluent limitations for the Permit have been assigned based upon the assumption that the pond will be discharged no more than six (6) inches per day and that the receiving waters exhibit favorable flow and reaeration characteristics during the acceptable discharge periods. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.90	Pre-discharge Sampling. [Minn. R. 7001]
5.3.91	Permittees shall take composite samples from four sides of the pond prior to discharge. Permittees shall analyze the composite sample for permitted parameters. Permittees shall collect and analyze this sample no more than two weeks prior to the beginning of the discharge. Permittees shall collect and analyze dissolved oxygen and pH (both are field tests) samples no more than 24 hours prior to the beginning of the discharge. If more than two weeks pass prior to the beginning of discharge, Permittees shall obtain and analyze additional pre-discharge samples prior to discharge. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.92	If pre-discharge sample results indicate exceedances of one or more of the effluent limitations, Permittees shall notify the MPCA of potential noncompliance prior to discharge. Permittees 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, Subp. 3(F)]

5.3.93	Pond Observations. Permittees shall inspect the pond system at a minimum frequency of once per week and shall measure 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 rodents. Permittees shall maintain records of these weekly inspections for the last three (3) years and submit the results on the DMR Supplemental Report Form. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.94	Permittees shall maintain daily precipitation records. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.95	Inflow and Infiltration (I/I) Evaluation Plan. [Minn. R. 7001]
5.3.96	If the MPCA requires a Permittee submit an I/I Evaluation Plan, the MPCA will list it in the NOC Submittal Action Summary. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.97	Permittees shall complete an Inflow and Infiltration (I/I) Evaluation Plan if the MPCA determines that their facility is receiving excessive I/I that could cause releases, upsets, unauthorized discharges/bypasses or permit violations. An I/I Plan shall include one of the following action items: a. an EPA Capacity, Management, Operation, and Maintenance checklist; b. a League of Minnesota Cities Sanitary Sewer System Assessment; or c. an assessment by an independent qualified consultant. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.98	The Permittee shall submit an inflow and infiltration (I/I) evaluation plan : Due by 180 days after permit issuance. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.99	At a minimum, Permittees shall include the following in their I/I Evaluation Plan: a. an evaluation of the relationship between facility influent flows, wet weather and spring melt events to determine the extent of I/I to the system; b. based on the system evaluation the Permittee shall identify all possible sources of I/I by methods such as smoke testing and televising. Possible sources include, but are not limited to, bad service line connections, broken or cracked municipal sewer lines, cracked or broken manholes or lift stations, unsealed manhole covers and illegal clean water connections.; c. an evaluation of the Permittee's current policy (ordinance, etc.), or establishment of a policy if absent, concerning the connection of foundation drains, floor drains, sump pumps, roof leaders, etc. from buildings connected to the system and how the Permittee ensures compliance with the policy; d. a description of past Permittee actions to identify and eliminate sources of I/I; and e. a description of current and future Permittee actions to identify and eliminate sources of I/I, including implementation and completion dates. Permittee specified actions and dates contained in the submitted I/I Evaluation Plan are enforceable provisions. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.100	In addition, Permittees shall include one of the following in their I/I Evaluation Plan: a. a completed EPA Capacity, Management, Operation, and Maintenance (CMOM) checklist. Permittees can find the checklist at: https://www3.epa.gov/npdes/pubs/cmomselfreview.pdf . In addition to the checklist, Permittees shall include a description of their current and future actions to identify and eliminate sources of I/I, including implementation and completion dates. The actions and dates specified in the submitted I/I Evaluation Plan are enforceable provisions; b. a completed League of Minnesota Cities Sanitary Sewer System Assessment. Permittees can find the assessment at http://www.lmc.org/media/document/1/modelSanitarySewerSystemAssessment.docx . In addition to the assessment, Permittees shall include a description of their current and future actions to identify and eliminate sources of I/I, including implementation and completion dates. Permittee specified actions and dates contained in the submitted I/I Evaluation Plan are enforceable provisions; or c. an assessment by an independent qualified consultant. In addition to the assessment, Permittees shall include a description of their current and future actions to identify and eliminate sources of I/I, including implementation and completion dates. Permittee specified actions and dates contained in the submitted I/I Evaluation Plan are enforceable provisions. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.101	Leaking Pond Evaluation Plan. [Minn. R. 7001]
5.3.102	If MPCA requires a Permittee submit a Leaking Pond Evaluation Plan, the MPCA will list it in the NOC Submittal Action Summary. [Minn. R. 7001.0150, Subp. 3(F)]

5.3.103	If MPCA conducts a desktop water balance and finds unaccounted for (missing) gallons in excess of the maximum allowed seepage rate, (500 gallons per acre per day if the pond was built on or after May 16, 1975 and 3,500 gallons per acre per day if the pond was built before May 16, 1975) the Permittee shall investigate the unaccounted for gallons through a Leaking Pond Evaluation Plan. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.104	The Permittee shall submit a leaking pond evaluation report : Due by 180 days after permit issuance. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.105	At a minimum, the Leaking Pond Evaluation Pond shall include: a. an evaluation of the past and present condition and operation of the pond system, including but not limited to: age of the pond system, liner material, rip rap condition and placement, erosion, presence of deep rooted vegetation, presence of rodents and rodent holes, if the pond system has been hydraulically overloaded and operated in the freeboard zone, if the dikes have overtopped, current influent and effluent flow monitoring practices; and b. a plan to ensure accurate influent and effluent flows, including but not limited to: ensuring flow meters in good working order, installing new flow meters if necessary, calibrating pumps at least twice per year, verifying pond acreages (via survey), verifying pond depths and measurements, ensuring accurate precipitation measurements and accurate discharge volumes. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.106	Upon submittal of the plan and further MPCA review, the MPCA may remove a system with severe leakage from the Permit. If that is the case, the Permittee shall submit a NPDES/SDS permit application for an individual permit. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.107	Pretreatment. [Minn. R. 7049]
5.3.108	Pretreatment requirements only apply to Publicly Owned Treatment Works (POTWs). POTWs are facilities owned and operated by a municipality (e.g. city, sanitary district, joint powers board) for public use and the authority operating such a treatment works. [Minn. R. 7049]
5.3.109	If MPCA requires a Permittee submit a pretreatment annual report, the MPCA will list it in the NOC Submittal Action Summary. [Minn. R. 7049]
5.3.110	Pretreatment - Definitions. [Minn. R. 7049]
5.3.111	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]
5.3.112	"Significant Industrial User" (SIU) means any industrial user that: a. discharges 25,000 gallons per day or more of process wastewater; b. contributes a load of five (5) % or more of the capacity of the POTW; or 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]
5.3.113	Pretreatment - Permittee Responsibility to Control Users. [Minn. R. 7049]
5.3.114	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 the Permit or any federal or state law or regulation limiting the release of pollutants from the POTW. [Minn. R. 7049]
5.3.115	The Permittee shall prohibit the discharge of the following to its wastewater treatment facility: a. pollutants which create a fire or explosion hazard, including any discharge with a flash point less than 60 degrees C (140 degrees F); b. pollutants which would cause corrosive structural damage to the POTW, including any waste stream with a pH of less than 5.0; c. solid or viscous pollutants which would obstruct flow; d. heat that would inhibit biological activity, including any discharge that would cause the temperature of the waste stream at the POTW treatment plant headworks to exceed 40 degrees C (104 degrees F); e. pollutants which produce toxic gases, vapors, or fumes that may endanger the health or safety of workers; or 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]

5.3.116	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]
5.3.117	If the Permittee accepts trucked-in wastes, the Permittee shall evaluate the trucked in wastes prior to acceptance in the same manner as it monitors sewered wastes. The Permittee shall accept trucked-in wastes only at specifically designated points. [Minn. R. 7049]
5.3.118	Pollutant of concern means a pollutant that an industrial user discharges or may discharge 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 the Permit, pollutants for which monitoring is required in the 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]
5.3.119	Control of Significant Industrial Users. [Minn. R. 7049]
5.3.120	The Permittee shall impose pretreatment requirements on SIUs that will ensure compliance with all applicable effluent limitations and other requirements set forth in the Permit or any federal or state law or regulation limiting the release of pollutants from the POTW. Permittees shall apply these requirements to SIUs by means of an individual control mechanism. [Minn. R. 7049]
5.3.121	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 NOC, or any applicable federal, state or local law or regulation. [Minn. R. 7049]
5.3.122	Monitoring of Significant Industrial Users. [Minn. R. 7049]
5.3.123	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, the Permittee shall obtain this information 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 Permittees or SIUs shall monitor at a frequency commensurate with the significance of the SIU. [Minn. R. 7049]
5.3.124	Pretreatment - Reporting and Notification. [Minn. R. 7049]
5.3.125	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]
5.3.126	<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>
5.3.127	<p>Permittees shall notify the MPCA in writing of any:</p> <ul style="list-style-type: none">a. SIU of the Permittee's POTW which has not been previously disclosed to the MPCA;b. anticipated or actual changes in the volume or quality of discharge by an industrial user that could result in the industrial user becoming an SIU as defined under the Pretreatment heading; orc. anticipated or actual changes in the volume or quality of discharges by a SIU that would require changes to the SIU's required local limits. <p>Permittees shall submit this notification within 30 days of identifying the IU as a SIU. Where changes are proposed, Permittees shall submit them prior to making any changes. [Minn. R. 7049]</p>

5.3.128	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 MPCA or in a comparable format: a. the identity of the SIU and a description of the SIU's operation and process; b. a characterization of the SIU's discharge; c. the required local limits that will be imposed on the SIU; d. a technical justification of the required local limits; and e. a plan for monitoring the SIU that is consistent with monitoring requirements under the Pretreatment heading. [Minn. R. 7049]
5.3.129	In addition, the Permittee shall, upon request, submit the following to the MPCA for approval: a. additional information on the SIU, its processes and discharge; b. a copy of the individual control mechanism used to control the SIU; c. the Permittee's legal authority to be used for regulating the SIU; and d. the Permittee's procedures for enforcing the requirements imposed on the SIU. [Minn. R. 7049]
5.3.130	Permittees shall notify the MPCA of any of its industrial users that may be subject to national categorical pretreatment standards. [Minn. R. 7049]
5.3.131	The MPCA may modify the NOC in accordance with Minn. Rules 7001 to require development of a pretreatment program approvable under the Federal General Pretreatment Regulation. [40 CFR pt. 403, Minn. R. 7049]
5.3.132	Total Facility Requirements (NPDES/SDS). [Minn. R. 7001]
5.3.133	Definitions. Refer to the 'Permit User's Manual' found on the MPCA website (www.pca.state.mn.us) for standard definitions. [Minn. R. 7001]
5.3.134	Incorporation by Reference. The following applicable federal and state laws are incorporated by reference in this permit, are applicable to the Permittee, and are enforceable parts of this permit: 40 CFR pts. 122.41, 122.42, 136, 403 and 503; Minn. R. pts. 7001, 7041, 7045, 7050, 7052, 7053, 7060, and 7080; and Minn. Stat. ch. 115 and 116. [Minn. R. 7001]
5.3.135	Permittee Responsibility. The Permittee shall perform the actions or conduct the activity authorized by the permit in compliance with the conditions of the permit and, if required, in accordance with the plans and specifications approved by the Agency. [Minn. R. 7001.0150, Subp. 3(E)]
5.3.136	Toxic Discharges Prohibited. Whether or not this permit includes effluent limitations for toxic pollutants, the Permittee shall not discharge a toxic pollutant except according to Code of Federal Regulations, Title 40, sections 400 to 460 and Minnesota Rules 7050, 7052, 7053 and any other applicable MPCA rules. [Minn. R. 7001.0150, Subp. 1(A)]
5.3.137	Nuisance Conditions Prohibited. The Permittee's discharge shall not cause any nuisance conditions including, but not limited to: floating solids, scum and visible oil film, acutely toxic conditions to aquatic life, or other adverse impact on the receiving water. [Minn. R. 7001.0210, Subp. 2]
5.3.138	Property Rights. This permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, Subp. 3(C)]
5.3.139	Liability Exemption. 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)]
5.3.140	The MPCA's issuance of this permit does not obligate the MPCA to enforce local laws, rules, or plans beyond what is authorized by Minnesota Statutes. [Minn. R. 7001.0150, Subp. 3(D)]
5.3.141	Liabilities. 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)]
5.3.142	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)]
5.3.143	Severability. 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]

5.3.144	Compliance with Other Rules and Statutes. 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]
5.3.145	Inspection and Entry. When authorized by Minn. Stat. ch. 115.04; 115B.17, subd. 4; and 116.091, and upon presentation of proper credentials, the agency, or an authorized employee or agent of the agency, shall be allowed by the Permittee 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)]
5.3.146	Control Users. The Permittee shall regulate the users of its wastewater treatment facility so as 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)]
5.3.147	Sampling. [Minn. R. 7001]
5.3.148	Representative Sampling. Samples and measurements required by this permit shall be conducted as specified in this permit and shall be representative of the discharge or monitored activity. [40 CFR 122.41(j)(1)]
5.3.149	Additional Sampling. If the Permittee monitors more frequently than required, the results and the frequency of monitoring shall be reported on the Discharge Monitoring Report (DMR) or another MPCA-approved form for that reporting period. [Minn. R. 7001.1090, Subp. 1(E)]
5.3.150	Certified Laboratory. A laboratory certified by the Minnesota Department of Health and/or registered by the MPCA shall conduct analyses required by this permit. Analyses of dissolved oxygen, pH, temperature, specific conductance, and total residual oxidants (chlorine, bromine) do not need to be completed by a certified laboratory but shall comply with manufacturers specifications for equipment calibration and use. [Minn. R. 4740.2010, Minn. R. 4740.2050 through 2120]
5.3.151	Sample Preservation and Procedure. Sample preservation and test procedures for the analysis of pollutants shall conform to 40 CFR Part 136 and Minn. R. 7041.3200. [40 CFR 136, Minn. R. 7041.3200]
5.3.152	Equipment Calibration: Flow meters, pumps, flumes, lift stations or other flow monitoring equipment used for purposes of determining compliance with permit shall be checked and/or calibrated for accuracy at least twice annually. [Minn. R. 7001.0150, Subp. 2(B and C)]
5.3.153	Maintain Records. 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: a. the exact place, date, and time of the sample or measurement; b. the date of analysis; c. the name of the person who performed the sample collection, measurement, analysis, or calculation; d. the analytical techniques, procedures and methods used; and e. the results of the analysis. [Minn. R. 7001.0150, Subp. 2(C)]
5.3.154	Completing Reports. The Permittee shall submit the results of the required sampling and monitoring activities on the forms provided, specified, or approved by the MPCA. The information shall be recorded in the specified areas on those forms and in the units specified. Required forms may include DMR Supplemental/Sample Value Form Individual values for each sample and measurement shall be recorded on the DMR Supplemental/Sample Value Form which, if required, will be provided by the MPCA. DMR Supplemental/Sample Value Forms shall be submitted with the appropriate DMRs. You may design and use your own supplemental form; however it shall be approved by the MPCA. Note: Required summary information shall also be recorded on the DMR. Summary information that is submitted ONLY on the DMR Supplemental/Sample Value Form does not comply with the reporting requirements. [Minn. R. 7001.0150, Subp. 2(B), Minn. R. 7001.1090, Subp. 1(D)]

5.3.155	<p>Submitting Reports. DMRs, DMR supplemental forms and related attachments must be electronically submitted via MPCA e-Services after authorization is approved.</p> <p>DMRs and DMR Supplemental Forms shall be electronically submitted by the 21st day of the month following the sampling period or otherwise as specified in this permit. Electronic DMR submittal shall be complete on or before 11:59 PM of the 21st day of the month following the sampling period or as otherwise specified in this permit. A DMR shall be submitted for each required station even if no discharge occurred during the reporting period.</p> <p>Other reports required by this permit shall be postmarked by the date specified in the permit to: MPCA, Attn: WQ Submittals Center, 520 Lafayette Road North, St Paul Minnesota 551554194. [Minn. R. 7001.0150, Subp. 2(B), Minn. R. 7001.0150, Subp. 3(H)]</p>
5.3.156	<p>Incomplete or Incorrect Reports. The Permittee shall immediately submit an electronically amended report or DMR to the MPCA upon discovery by the Permittee or notification by the MPCA that it has submitted an incomplete or incorrect report or DMR. The amended report or DMR shall contain the missing or corrected data along with a cover letter explaining the circumstances of the incomplete or incorrect report. If it is impossible to electronically amend the report or DMR, 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>
5.3.157	<p>Required Signatures. All DMRs, forms, reports, and other documents submitted to the MPCA shall be signed by the Permittee or the duly authorized representative of the Permittee. Minn. R. 7001.0150, subp. 2, item D. The person or persons that sign the DMRs, forms, reports or other documents shall certify that he or she understands and complies with the certification requirements of Minn. R. 7001.0070 and 7001.0540, including the penalties for submitting false information. Technical documents, such as design drawings and specifications and engineering studies required to be submitted as part of a permit application or by permit conditions, shall be certified by a registered professional engineer. [Minn. R. 7001.0540]</p>
5.3.158	<p>Detection Level. The Permittee shall report monitoring results below the reporting limit (RL) of a particular instrument as "<" 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 concentration shall be reported as "<0.1 mg/L." "Non-detected," "undetected," "below detection limit," and "zero" are unacceptable reporting results, and are permit reporting violations.</p> <p>Where sample values are less than the level of detection and the permit requires reporting of an average, the Permittee shall calculate the average as follows:</p> <ol style="list-style-type: none">If one or more values are greater than the level of detection, substitute zero for all nondetectable values to use in the average calculation.If all values are below the level of detection, report the averages as "<" the corresponding level of detection.Where one or more sample values are less than the level of detection, and the permit requires reporting of a mass, usually expressed as kg/day, the Permittee shall substitute zero for all nondetectable values. [Minn. R. 7001.0150, Subp. 2(B)]
5.3.159	<p>Records. The Permittee shall, when requested by the Agency, 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>
5.3.160	<p>Confidential Information. Except for data determined to be confidential according to Minn. Stat. ch. 116.075, subd. 2, all reports required by this permit shall be available for public inspection. Effluent data shall not be considered confidential. To request the Agency maintain data as confidential, the Permittee shall follow Minn. R. 7000.1300. [Minn. R. 7000.1300]</p>
5.3.161	<p>Noncompliance and Enforcement. [Minn. R. 7001]</p>

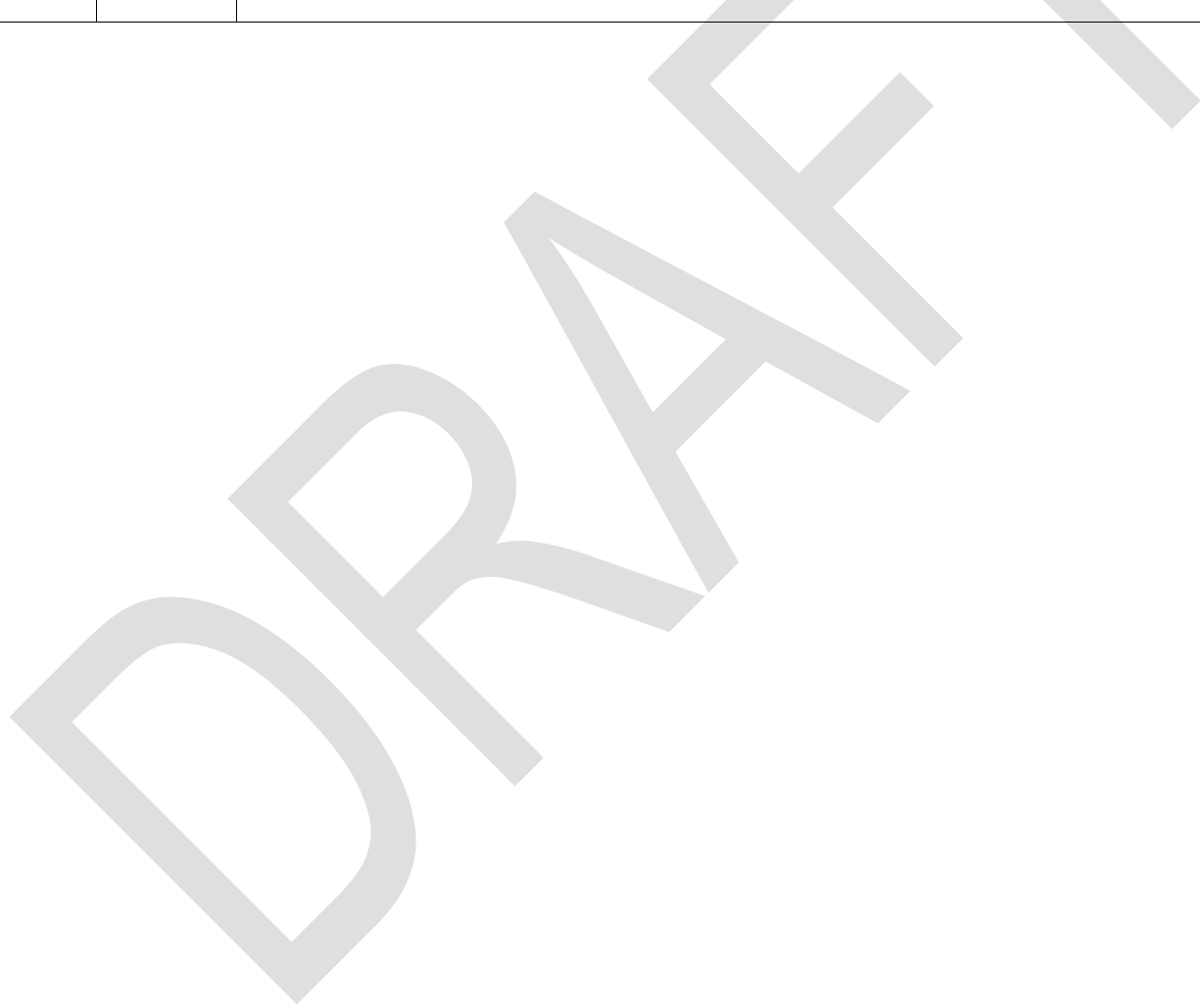
5.3.162	Subject to Enforcement Action and Penalties. Noncompliance with a term or condition of this permit subjects the Permittee to penalties provided by federal and state law set forth in section 309 of the Clean Water Act; United States Code, title 33, section 1319, as amended; and in Minn. Stat. ch. 115.071 and 116.072, including monetary penalties, imprisonment, or both. [Minn. R. 7001.1090, Subp. 1(B)]
5.3.163	Criminal Activity. The Permittee may not knowingly make a false statement, representation, or certification in a record or other document submitted to the Agency. A person who falsifies a report or document submitted to the Agency, or tampers with, or knowingly renders inaccurate a monitoring device or method required to be maintained 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 and H), Minn. Stat. ch. 609.671, Subp. 1]
5.3.164	Noncompliance Defense. 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)]
5.3.165	Effluent Violations. 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. If the permittee discovers that noncompliance with a condition of the permit has occurred which 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 5 days of the discovery. The written description shall include items a. through e., as listed below. If the Permittee discovers other non-compliance that does not explicitly endanger human health, public drinking water supplies, or the environment, the non-compliance shall be reported during the next reporting period to the MPCA with its Discharge Monitoring Report (DMR). If no DMR is required within 30 days, the Permittee shall submit a written report within 30 days of the discovery of the noncompliance. This description shall include the following information: a. a description of the event including volume, duration, monitoring results and receiving waters; b. the cause of the event; c. the steps taken to reduce, eliminate and prevent reoccurrence of the event; d. the exact dates and times of the event; and e. steps taken to reduce any adverse impact resulting from the event. [Minn. R. 7001.0150, Subp. 3(K)]
5.3.166	Upset Defense. In the event of temporary noncompliance by the Permittee with an applicable effluent limitation 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 Agency as a result of the noncompliance if the Permittee demonstrates by a preponderance of competent evidence: a. the specific cause of the upset; b. that the upset was unintentional; 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; d. that at the time of the upset the facility was being properly operated; e. that the Permittee properly notified the Commissioner of the upset in accordance with Minn. R. 7001.1090, subp. 1, item I; and f. that the Permittee implemented the remedial measures required by Minn. R. 7001.0150, subp. 3, item J. [Minn. R. 7001.1090]
5.3.167	Release. [Minn. R. 7001]
5.3.168	Unauthorized Releases of Wastewater Prohibited. Except for discharges from outfalls specifically authorized by this permit, overflows, discharges, spills, or other releases of wastewater or materials to the environment, whether intentional or not, are prohibited. However, 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]

5.3.169	<p>Discovery of a release. Upon discovery of a release, the Permittee shall:</p> <ul style="list-style-type: none">a. Take all reasonable steps to immediately end the release.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. You may contact the MPCA during business hours at 1(800)657-3864 or (651)296-6300 (metro area).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 released materials or substances cannot be immediately or completely recovered, 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]
5.3.170	<p>Sampling of a release. Upon discovery of a release, the Permittee shall:</p> <ul style="list-style-type: none">a. Collect representative samples of the release. The Permittee shall sample the release for 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, Fecal Coliform Bacteria samples shall be collected where it is determined by the Permittee that the release contains or may contain sewage. If the release cannot be immediately stopped, the Permittee shall consult with MPCA regarding additional sampling requirements. Samples shall be collected at least, but not limited to, two times per week for as long as the release continues.b. Submit the sampling results on the Release Sampling Form (http://www.pca.state.mn.us/index.php/view-document.html?gid=18867). The Release Sampling Form shall be submitted to the MPCA with the next DMR or within 30 days whichever is sooner. [Minn. R. 7001.1090]
5.3.171	Bypass. [Minn. R. 7001]
5.3.172	<p>Anticipated bypass. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if the bypass is for essential maintenance to assure efficient operation of the facility. The permittee shall submit prior notice, if possible at least ten days before the date of the bypass to the MPCA.</p> <p>The notice of the need for an anticipated bypass shall include the following information:</p> <ul style="list-style-type: none">a. the proposed date and estimated duration of the bypass;b. the alternatives to bypassing; andc. 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, samples shall be collected 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 and 3), Minn. R. 7001.1090, Subp. 1(J)]

5.3.173	<p>All other bypasses are prohibited. The MPCA may take enforcement action against the Permittee for a bypass, unless the specific conditions described in Minn. R. Ch. 7001.1090 subp. 1, K and 122.41(m)(4)(i) are met.</p> <p>In the event of an unanticipated bypass, the permittee shall:</p> <ul style="list-style-type: none">a. Take all reasonable steps to immediately end the bypass.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. You may contact the MPCA during business hours at 1(800)657-3864 or (651)296-6300 (metro area).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.d. Only allow bypass wastewater as specified in this section to enter waters of the state from outfalls specifically authorized by this permit. Samples shall be collected 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]
5.3.174	Operation and Maintenance. [Minn. R. 7001]
5.3.175	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, item F. [Minn. R. 7001.0150, Subp. 3(F)]
5.3.176	In the event of a reduction or loss of effective treatment of wastewater at the facility, the Permittee shall control production or curtail its 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 the wastewater treatment facility has been restored or until an alternative method of treatment is provided. [Minn. R. 7001.1090, Subp. 1(C)]
5.3.177	Solids Management. The Permittee shall properly store, transport, and dispose of biosolids, septage, sediments, residual solids, filter backwash, screenings, oil, grease, and other substances so that pollutants do not enter surface waters or ground waters of the state. Solids should be disposed of in accordance with local, state and federal requirements. [40 CFR 503, Minn. R. 7041]
5.3.178	Scheduled Maintenance. The Permittee shall schedule maintenance of the treatment works during non-critical water quality periods to prevent degradation of water quality, except where emergency maintenance is required 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)]
5.3.179	Control Tests. In-plant control tests shall be conducted 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)]
5.3.180	Changes to the Facility or Permit. [Minn. R. 7001]
5.3.181	<p>Permit Modifications. Except as provided under Minnesota Statutes, section 115.07, subdivisions 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 agency has issued a written permit for the facility or activity.</p> <p>Permittees that propose to make a change to the facility or discharge that requires a permit modification shall follow Minn. R. 7001.0190. If the Permittee cannot determine whether a permit modification is needed, the Permittee shall contact the MPCA prior to any action. It is recommended that the application for permit modification be submitted to the MPCA at least 180 days prior to the planned change. [Minn. R. 7001.0030]</p>

5.3.182	<p>Plans, specifications and MPCA approval are not necessary 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, a broken pipe, lift station pump, aerator, or blower can be replaced with the same design-sized equipment without MPCA approval.</p> <p>If the proposed construction is not expressly authorized by this permit, it may require a permit modification. If the construction project requires an Environmental Assessment Worksheet under Minn. R. 4410, no construction shall begin until a negative declaration is issued and all approvals are received or implemented. [Minn. R. 7001.0030]</p>
5.3.183	<p>Report Changes. The Permittee shall give advance notice as soon as possible to the MPCA of any substantial changes in operational procedures, activities that may alter the nature or frequency of the discharge, and/or material factors that may affect compliance with the conditions of this permit. [Minn. R. 7001.0150, Subp. 3(M)]</p>
5.3.184	<p>Chemical Additives. 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 increased or new use of a chemical additive at least 60 days, or as soon as possible, before the proposed increased or new use. This written request shall include at least the following information for the proposed additive:</p> <ul style="list-style-type: none">a. the process for which the additive will be used;b. Safety Data Sheet (SDS) which shall include aquatic toxicity, human health, and environmental fate information for the proposed additive. The aquatic toxicity information shall include at minimum the results of: a) a 48-hour LC50 or EC50 acute study for a North American freshwater planktonic crustacean (either Ceriodaphnia or Daphnia sp.) and b) a 96-hour LC50 acute study for rainbow trout, bluegill or fathead minnow or another North American freshwater aquatic species other than a planktonic crustacean;c. a complete product use and instruction label;d. the commercial and chemical names and Chemical Abstract Survey (CAS) number for all ingredients in the additive (If the MSDS 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); ande. the proposed method of application, application frequency, concentration, and daily average and maximum rates of use. <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>
5.3.185	<p>MPCA Initiated Permit Modification, Suspension, or Revocation. The MPCA may modify or revoke and reissue this permit pursuant to Minn. R. 7001.0170. The MPCA may revoke without reissuance this permit pursuant to Minn. R. 7001.0180. [Minn. R. 7001.0170, Minn. R. 7001.0180]</p>
5.3.186	<p>TMDL Impacts. Facilities that discharge to an impaired surface water, watershed or drainage basin may be required to comply with additional permits or permit requirements, including additional restriction or relaxation of limits and monitoring as authorized by the CWA 303(d)(4)(A) and 40 CFR 122.44.l.2.i., necessary to ensure consistency with the assumptions and requirements of any applicable US EPA approved wasteload allocations resulting from Total Maximum Daily Load (TMDL) studies. [40 CFR 122.44(l)(2)i]</p>
5.3.187	<p>Permit Transfer. The permit is not transferable to any person without the express written approval of the Agency after compliance with the requirements of Minn. R. 7001.0190. A person to whom the permit has been transferred shall comply with the conditions of the permit. [Minn. R. 7001.0150, Subp. 3(N)]</p>

5.3.188	<p>Permit Reissuance. 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. 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 (Minn. R. 7001.0040 and 7001.0160): 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; 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; 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. 7001.0160]</p>
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5. Submittal action summary

SD 001	Effluent To Surface Water	
Surface Discharge: MNG585 Effluent Requirements		
	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)]
WS 001	Influent Waste	
Waste Stream: MNG585 Influent Requirements		
	6.2.1	The Permittee shall submit a monthly DMR : Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
MNG585057	Danube WWTP	
Wastewater Pond General Permit Requirements		
	6.3.1	The Permittee shall submit a phosphorus management plan : Due by 180 days after permit issuance. Immediately upon submittal to the MPCA, the Permittee shall implement the PMP for the remainder of the Permit. [Minn. R. 7001]
	6.3.2	The Permittee shall submit an inflow and infiltration (I/I) evaluation plan : Due by 180 days after permit issuance. [Minn. R. 7001.0150, Subp. 3(F)]
	6.3.3	Permit Reissuance. 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. 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 (Minn. R. 7001.0040 and 7001.0160): 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; 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; 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. 7001.0160]

6. 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 001 Total Facility Discharge	BOD, Carbonaceous 05 Day (20 Deg C)	61.0 calendar month average	98.0 maximum calendar week average	kilograms per day		25 calendar month average	40 maximum calendar week average	milligrams per liter	twice per week	Grab	Jan-Dec	
SD 001 Total Facility Discharge	Fecal Coliform, MPN or Membrane Filter 44.5C					200 calendar month geometric mean		organisms per 100 milliliter	twice per week	Grab	Apr-Oct	
SD 001 Total Facility Discharge	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 zero. If Permittees exceed this limit, they shall take action as described in the Discharges Outside Acceptable Discharge Periods requirements in the NOC.
SD 001 Total Facility Discharge	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 001 Total Facility Discharge	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per half year	Grab	Jan-Dec	
SD 001 Total Facility Discharge	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once 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 001 Total Facility Discharge	Nitrogen, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per half year	Calculation	Jan-Dec	
SD 001 Total Facility Discharge	Oxygen, Dissolved				Monitor only. calendar month minimum			milligrams per liter	twice per week	Grab	Jan-Dec	
SD 001 Total Facility Discharge	pH				6.0 calendar month minimum		9.0 calendar month maximum	standard units	twice per week	Grab	Jan-Dec	
SD 001 Total Facility Discharge	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 001 Total Facility Discharge	Phosphorus, Total (as P)		185.0 calendar year to date total	kilograms per year					once per month	Calculation	Jan-Dec	
SD 001 Total Facility Discharge	Solids, Total Suspended (TSS)	110.0 calendar month average	159.0 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	
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	

Subject item	Parameter	Discharge limitations						Monitoring requirements				Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 001 Influent Waste Stream	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	4-Hour Flow Composite	Mar, Sep	
WS 001 Influent Waste Stream	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per month	4-Hour Flow Composite	Mar, Sep	
WS 001 Influent Waste Stream	Nitrogen, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Calculation	Mar, Sep	
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	