MINNESOTA POLLUTION CONTROL AGENCY

National Pollutant Discharge Elimination System/State Disposal System

MN0001724

Permittee:	Andersen Corporation
Facility name:	Andersen Corp
Receiving water:	St Croix River - Class 1C, 2Bdg, 3, 4A, 4B, 5, 6 water
City or Township:	Bayport **County:** Washington
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

Brandon Montgomery
Supervisor
Water Section
Industrial Division

Resources

Submit electronic Discharge Monitoring Reports (eDMR) via the MPCA e-Services at: https://rsp.pca.state.mn.us/TEMPO_RSP/Orchestrate.do?initiate=true

Submit documents electronically to: wq.submittals.mpca@state.mn.us. **Note:** The Water quality submittals form located at: https://www.pca.state.mn.us/sites/default/files/wq-wwprm7-71.docx must be attached.

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

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

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

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

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

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

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1. Permitted facility description

The Andersen Corporation facility (facility) is located at 100 4th Ave N, Bayport, Minnesota 55003-1058, Washington County.

The primary activity at the facility is the manufacturing of clad wood windows and patio doors. Manufacturing and related processes include wood cutting and milling, wood preservative application, painting, vinyl processing, adhesive operations, by-product transfer, wood and natural gas-fired boilers, assembly operations, technology development, production support, and maintenance functions.

The discharges at the facility consist primarily of cooling waters which are used for non-contact cooling processes, reverse osmosis (RO) concentrate, and stormwater runoff from the plant site. Water discharges to the St. Croix River (1C, 2Bdg, 3, 4A, 4B, 5, 6), which is a federally designated "Wild and Scenic River" as well as an Outstanding Resource Value Water (ORVW). Water used in non-contact cooling systems (SD 001, SD 005, and SD 006) is supplied by groundwater pumped from plant wells at the facility. Flow meters track water use at all stations and these measurements are used to report effluent flow at each station. No chemical additives are used in the non-contact cooling water (NCCW) systems.

SD 001 and SD 006 (when active) consist of NCCW from air compressor systems. SD 001 is discharged at a maximum rate of 0.72 million gallons per day (mgd) via a storm sewer, while SD 006 (when active) is discharged at a maximum rate of 0.122 mgd through a separate discharge pipe.

SD 005 is comprised of NCCW from the solvent recovery system. This stream discharges via a discharge pipe at a maximum rate of 0.576 mgd.

The Permittee operates a groundwater treatment system for remediation of contaminated groundwater under the plant, which contains trace concentrations of pentachlorophenol (PCP). PCP was an ingredient used as a wood treatment preservative at the facility until 1986. The groundwater treatment system includes a pump and treat system, which extracts contaminated groundwater and treats it through a granular activated carbon system. Treated groundwater is either discharged to the St. Croix River at SD 002 at a maximum rate of 0.432 mgd or is routed to be used as NCCW in the solvent recovery system and discharged through SD 005.

The groundwater treatment system was originally implemented in 1982. Over time, monitoring requirements have been removed as contaminant levels have been decreased to below the agreed concentrations as outlined in the 1995 Minnesota Decision Document (MDD) for the site. With this permit reissuance, PCP monitoring has been removed, but the remediation system and discharge stations are being kept in the permit while the site is further investigated.

SD 002 and SD 006 are currently inactive; however, the Permittee would like to retain discharge authorization (preservation of antidegradation flows and wasteload allocations) for the outfalls should the future need for them arise.

The facility has a RO system to treat groundwater for use as plant make-up water. Incoming groundwater is treated with sodium hypochlorite prior to treatment in the RO system. RO concentrate is discharged at SD 008 to the St. Croix River via the Permittee's private storm sewer at a maximum rate of 0.01 mgd. This waste stream was previously thought to discharge through SD 006; however, investigation found that this stream discharges separately, and therefore a new station has been added to monitor this stream. The NCCW previously discharged via SD 006 is currently discharged via SD 008. Therefore, the permitted maximum rate of discharge for SD 006 and SD 008 combined is 0.123 mgd.

With the exception of RO reject water, all process and sanitary wastewaters are discharged to the Metropolitan Council

Saint Croix Valley Wastewater Treatment Plant through a sanitary sewer system. Stormwater is covered under the Multi-Sector Industrial Stormwater permit (MNR0539XM).

Summary of surface discharge stations at Andersen Corporation

Surface Discharge Station	Description
SD 001	NCCW – Air Compressor
SD 002	Treated Groundwater Pumpout Water
SD 005	NCCW – Solvent Recovery
SD 006	NCCW – Air Compressor
SD 008	RO Concentrate & NCCW – Air Compressor (Note: not a new discharge; was previously believed to be discharged through SD 006, but an investigation found that it discharges via their privately-owned storm sewer 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.

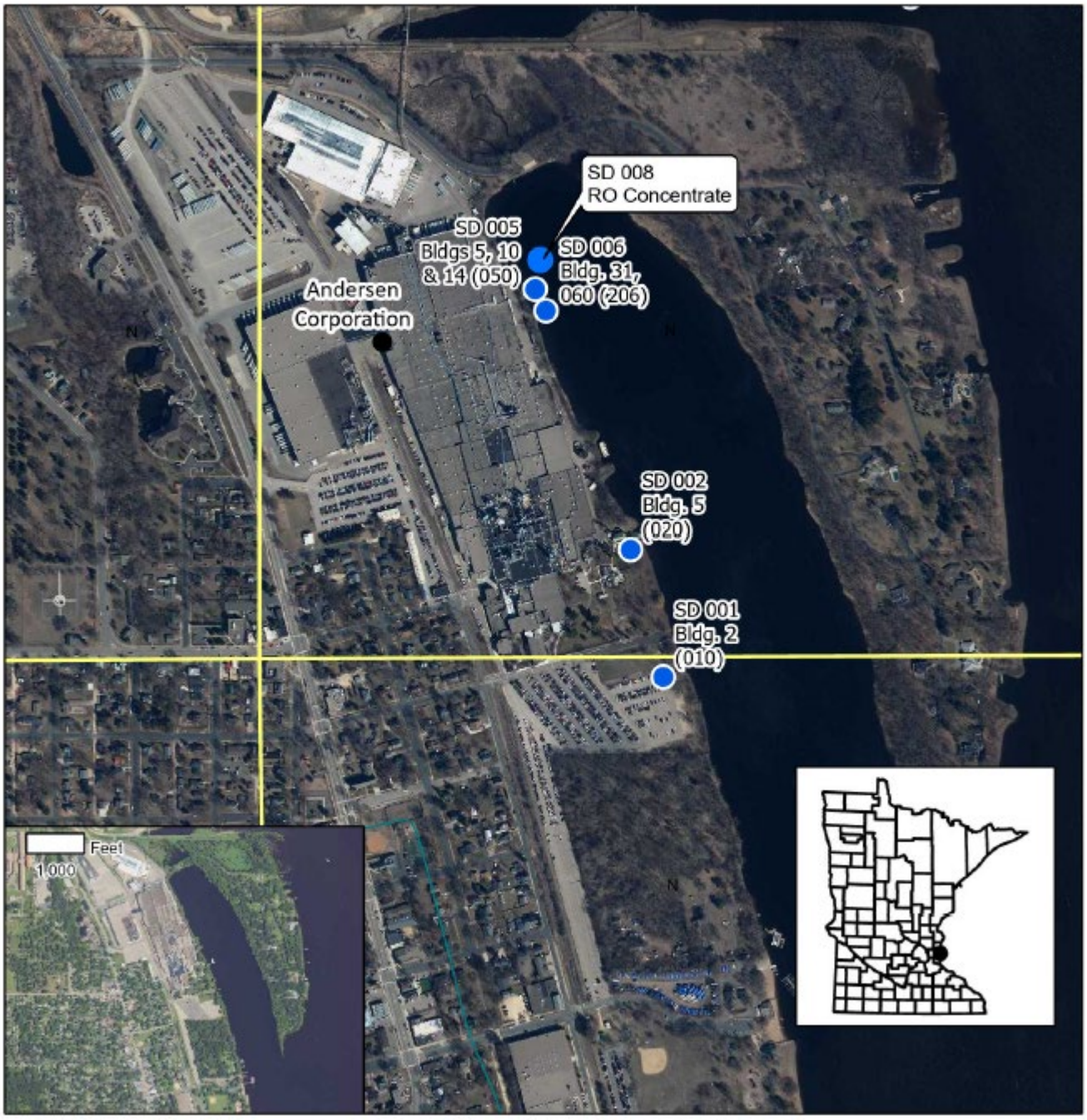
The St Croix River - Class 1C, 2Bdg, 3, 4A, 4B, 5, 6 water was designated an Outstanding Resource Value Water (ORVW) on November 5, 1984.

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 National Pollutant Discharge Elimination System (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

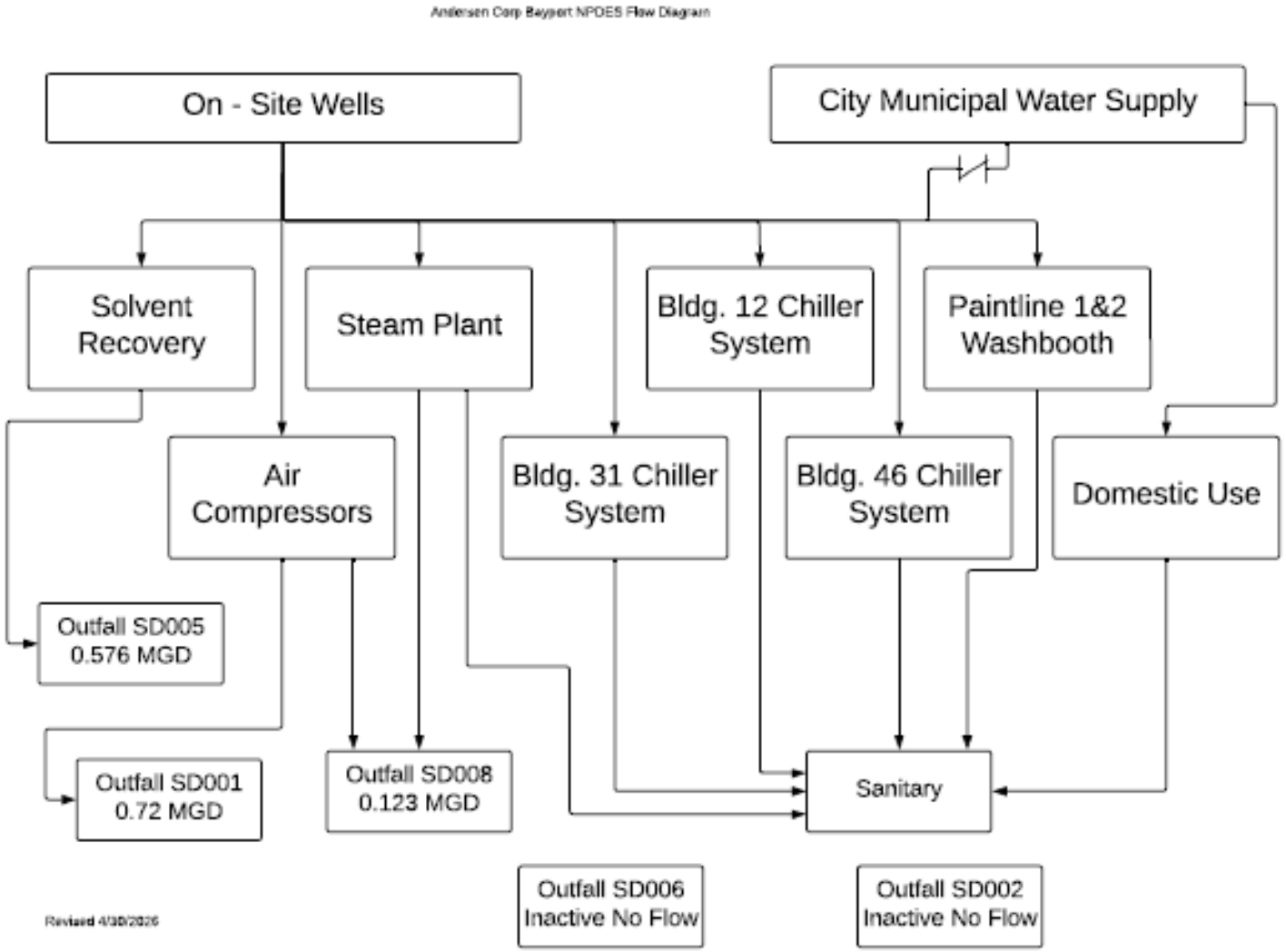
Facility Location Map
MN0001724: Andersen Corporation
T29N, R20W, Section 2
Bayport, Washington County, Minnesota



Map produced by: MPCA Staff, 6/11/2026
Scale: 1:7,680

0 0.07 0.15 0.3 Miles

3. Flow diagram



4. Summary of stations and station locations

Station	Type of station	Local name	PLS location
SD 001	Storm Sewer To Surface Water	Bldg. 2 (010)	T29N, R20W, S11, NW Quarter of the NW Quarter
SD 002	Effluent To Surface Water	Bldg. 5 (020)	T29N, R20W, S02, SW Quarter of the SW Quarter
SD 005	Effluent To Surface Water	Bldgs 5, 10 & 14 (050)	T29N, R20W, S02, SW Quarter of the SW Quarter
SD 006	Effluent To Surface Water	Bldg. 31, 060 (206)	T29N, R20W, S02, SW Quarter of the NW Quarter
SD 008	Storm Sewer To Surface Water	RO Concentrate & NCCW - Air Compressor	T29N, R20W, S02, SW Quarter of the NW Quarter
SD 009	Limits Calculation	Calculation Station	T29N, R20W, S02

5. Permit requirements

SD 001	Storm Sewer To Surface Water	
		Facility Specific Limit and Monitoring 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	Samples for Station SD 001 shall be taken at a point representative of the NCCW effluent. Wastewater samples shall not be taken during or for 24 hours after a rain event has occurred. When feasible, the Permittee shall avoid sampling during snowmelt events. If sampling occurs during a snowmelt event the Permittee shall note this on the corresponding DMR. [Minn. R. 7001.0150, subp. 2(B)]
SD 002	Effluent To Surface Water	
		Facility Specific Limit and Monitoring 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	Samples for Station SD 002 shall be taken at a point representative of the treated groundwater pumpout effluent. Wastewater samples shall not be taken during or for 24 hours after a rain event has occurred. When feasible, the Permittee shall avoid sampling during snowmelt events. If sampling occurs during a snowmelt event the Permittee shall note this on the corresponding DMR. [Minn. R. 7001.0150, subp. 2(B)]
SD 005	Effluent To Surface Water	
		Facility Specific Limit and Monitoring Requirements
	5.3.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.3.2	**Sampling Location**. [Minn. R. 7001.0150, subp. 2(B)]
	5.3.3	Samples for Station SD 005 shall be taken at a point representative of the NCCW effluent. Wastewater samples shall not be taken during or for 24 hours after a rain event has occurred. When feasible, the Permittee shall avoid sampling during snowmelt events. If sampling occurs during a snowmelt event the Permittee shall note this on the corresponding DMR. [Minn. R. 7001.0150, subp. 2(B)]
SD 006	Effluent To Surface Water	
		Facility Specific Limit and Monitoring Requirements
	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 006 shall be taken at a point representative of the NCCW effluent. Wastewater samples shall not be taken during or for 24 hours after a rain event has occurred.

		When feasible, the Permittee shall avoid sampling during snowmelt events. If sampling occurs during a snowmelt event the Permittee shall note this on the corresponding DMR. [Minn. R. 7001.0150, subp. 2(B)]
SD 008	Storm Sewer To Surface Water	
		Facility Specific Limit and Monitoring Requirements
	5.5.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.5.2	**Sampling Location**. [Minn. R. 7001.0150, subp. 2(B)]
	5.5.3	Samples for Station SD 008 shall be taken at a point representative of the RO concentrate effluent. Wastewater samples shall not be taken during or for 24 hours after a rain event has occurred. When feasible, the Permittee shall avoid sampling during snowmelt events. If sampling occurs during a snowmelt event the Permittee shall note this on the corresponding DMR. [Minn. R. 7001.0150, subp. 2(B)]
SD 009	Limits Calculation	
		Facility Specific Limit and Monitoring Requirements
	5.6.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.6.2	**Sampling Location**. [Minn. R. 7001.0150, subp. 2(B)]
	5.6.3	Station SD 009 serves as a calculation station where the total phosphorus limit (104 kg/yr as a 12-month moving total) is applied. The monthly total phosphorus sampling results for stations SD 001, SD 002, SD 005, SD 006, and SD 008 shall be summed and the total value reported on the eDMR for SD 009. [Minn. R. 7001.0150, subp. 2(B)]
MN0001724	Andersen Corp	
		Surface Discharge Station General Requirements
	5.7.1	**Representative Samples**. [Minn. R. 7001]
	5.7.2	Samples and measurements required by this permit shall be representative of the monitored activity. [Minn. R. 7001]
	5.7.3	**Surface Discharge Prohibitions**. [Minn. R. 7001]
	5.7.4	Floating solids or visible foam shall not be discharged in other than trace amounts. [Minn. R. 7001]
	5.7.5	Do not discharge oil or other substances in amounts that create a visible color film. [Minn. R. 7001]
	5.7.6	Install and maintain outlet protection measures at the discharge stations to prevent erosion. [Minn. R. 7001]
	5.7.7	**Winter Sampling Conditions**. [Minn. R. 7001]
	5.7.8	Sample flows at the designated monitoring stations, including when ice removal is required to sample the water. If there is a frozen station throughout a designated sampling month, check the "No Discharge" box on the electronic Discharge Monitoring Report (eDMR) and note the ice conditions in the comments section on the eDMR. [Minn. R. 7001]
	5.7.9	**Phosphorus Limits and Monitoring Requirements**. [Minn. R. 7001]
	5.7.10	Phosphorus Calculation Definitions. [Minn. R. 7001]
	5.7.11	"12-month moving total" is a rolling total. Calculate the calendar month total kg/mo loading by multiplying the calendar month total million gallons effluent flow times the calendar month

		average mg/L concentration times 3.785 for the current month, and for the previous 11 months. Add all results to get the 12-month moving total. [Minn. R. 7001]
	5.7.12	**Nitrogen Limits and Monitoring Requirements**. [Minn. R. 7001]
	5.7.13	Report total nitrogen as the summation of the total kjeldahl nitrogen and total nitrite plus nitrate nitrogen values. [Minn. R. 7001]
	5.7.14	**Temperature Limits and Monitoring Requirements**. [Minn. R. 7001]
	5.7.15	The thermal load of the discharge shall not increase the temperature of the receiving water more than five degrees Fahrenheit above the ambient temperature, based on the calendar month average of the maximum daily temperature. [Minn. R. 7001]
	5.7.16	**Analysis Requirements**. [Minn. R. 7001]
	5.7.17	pH, temperature, and total residual chlorine analyses shall be conducted within 15 minutes of sample collection. [Minn. R. 7001]
	5.7.18	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 electronic Discharge Monitoring Report (eDMR) and shall add a comments attachment to the eDMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp 2(B)]
	5.7.19	Parameters that have a monitoring frequency of once per year and an effective period of Jan-Dec may be collected any time during the calendar year. The sample data must be reported on the sample value spreadsheets and eDMRs for the month the sample was taken. If the once per year monitoring was not completed during a specific month, Permittees shall leave the boxes blank on the Sample Values and eDMR and include a comment on the eDMR indicating whether annual monitoring has already been fulfilled or will be completed later during the year; do not report "0" or "N/A" in the parameter boxes. Sampling must occur at least once per year unless there is no discharge throughout the entire year. [Minn. R. 7001]
		Special Requirements
	5.8.20	**Feasibility of Alternative Sampling Locations**. [Minn. R. 7001]
	5.8.21	The Permittee must submit a Feasibility Analysis of Alternative Sampling Locations for SD 001, SD 005, and SD 008. This analysis is to be submitted with the application for reissuance of this permit. [Minn. R. 7001]
	5.8.22	The Permittee must analyze SD 001, SD 005, and SD 008 and determine the feasibility of moving the sampling locations from the current end of pipe to alternative locations which allow for sample collection prior to commingling with stormwater. [Minn. R. 7001]
		Per- and Polyfluoroalkyl Substances (PFAS)
	5.9.23	**Per- and Polyfluoroalkyl Substances Analyses**. [Minn. R. 7001]
	5.9.24	The Permittee shall analyze per- and polyfluoroalkyl substances (PFAS) in accordance with the following: The Permittee must sample and analyze PFAS compounds using methodology capable of detecting PFAS to the minimum reporting limits available and specifically below a two (2) nanogram per liter (ng/L) reporting limit for PFOS and PFOA, such as draft EPA method 1633 or EPA 1633A and subsequent revisions using an LC-MS/MS. [Minn. R. 7001]
	5.9.25	**Class 1 Water Discharge PFAS Sampling**. [Minn. R. 7001]
	5.9.26	The Permittee shall submit a PFAS Screening Report: Due by 180 days prior to permit expiration. For those facilities that discharge directly to Class 1 waters, the Permittee shall collect a sample at all surface discharge (SD) monitoring locations listed in the permit and analyze the sample(s) for

		per- and polyfluoroalkyl substances (PFAS) and submit the results of the analysis in accordance with the following: A. The Permittee shall analyze for PFAS at all surface discharge monitoring locations identified in the permit at least once per permit cycle; B. The Permittee must analyze the samples using draft EPA method 1633 or EPA 1633A and subsequent revisions for all PFAS compounds the method is capable of producing results for; C. The reporting limit for analysis of PFOS or PFOA is two (2) nanograms per liter (ng/L). If the reporting limit is exceeded, the Permittee shall submit an explanation of the cause with the report; D. The PFAS Screening Report shall include: i. The results of the analysis including all PFAS lab reports and data collected from all monitoring locations at the facility. ii. A summary of the sampling methodology and procedure. iii. A discussion of the potential source of any PFAS detected through sampling and analysis. E. The Permittee shall submit the PFAS Screening Report to MPCA Water Quality Submittals by 180 days prior to permit expiration. [Minn. R. 7001]
		Industrial Wastewater General Requirements
	5.10.27	**Prohibited Discharges. [Minn. R. 7001]**
	5.10.28	This permit does not authorize the discharge of wash water, scrubber water, spills, oil, hazardous substances, or equipment/vehicle cleaning and maintenance wastewaters to ditches, wetlands, or other surface waters of the state. [Minn. R. 7001.1090, subp. 1(A)]
	5.10.29	The Permittee shall prevent the routing of pollutants from the facility to a municipal wastewater treatment system in any manner unless authorized by the pretreatment standards of the MPCA and the municipal authority. [Minn. R. 7001.1090, subp. 1(A)]
	5.10.30	The Permittee shall not transport pollutants to a municipal wastewater treatment system that will interfere with the operation of the treatment system or cause pass-through violations of effluent limits or water quality standards. [Minn. R. 7049.140, subp. 2]
	5.10.31	**Toxic Substance Reporting. [Minn. R. 7001]**
	5.10.32	The Permittee shall notify the MPCA immediately of any knowledge or reason to believe that an activity has occurred that would result in the discharge of a toxic pollutant listed in Minn. R. 7001.1060, subp. 4 to 10 or listed below that is not limited in the permit, if the discharge of this toxic pollutant has exceeded or is expected to exceed the following levels: A. For acrolein and acrylonitrile, 200 ug/L; B. For 2,4-dinitrophenol and 2-methyl-4,6-dinitrophenol, 500 ug/L; C. For antimony, 1 mg/L; D. For any other toxic pollutant listed in Minn. R. 7001.1060, subp. 4 to 10,100 ug/L; or, E. Five times the maximum concentration value identified and reported for that pollutant in the permit application. [Minn. R. 7001.1090, subp. 2]
	5.10.33	The Permittee shall notify the MPCA immediately if the Permittee has begun or expects to begin to use or manufacture, as an intermediate or final by-product, a toxic pollutant that was not reported in the permit application under Minn. R. 7001.1050, subp. 2 (J). [Minn. R. 7001.1050, subp. 2(J)]
	5.10.34	**Hydrotest Discharges. [Minn. R. 7001]**
	5.10.35	The Permittee shall notify the MPCA prior to discharging hydrostatic test waters. The Permittee shall provide information necessary to evaluate the potential impact of this discharge and to ensure compliance with this permit. This information shall include: A. The proposed discharge dates; B. The name and location of receiving waters, including city or township, county, and Public Land Survey System location to the quarter section; C. An evaluation of the impact of the discharge on the receiving waters in relation to the water

		quality standards; D. A map identifying discharge location(s) and monitoring point(s); E. The estimated average and maximum discharge rates; F. The estimated total flow volume of discharge; G. The water supply for the test water, with a copy of the appropriate Minnesota Department of Natural Resources (DNR) water appropriation permit; H. Water quality data for the water supply; I. Proposed treatment method(s) before discharge; and, J. Methods to be used to prevent scouring and erosion due to the discharge. [Minn. R. 7001.1090, subp. 1(A)]
	5.10.36	This permit does not authorize the construction or installation of pipeline facilities. [Minn. R. 7001.0150, subp. 2]
	5.10.37	**Mobile and Rail Equipment Service Areas. [Minn. R. 7001]**
	5.10.38	Locomotive traction sand, degreasing wastes, motor oil, oil filters, oil sorbent pads and booms, transmission fluids, power steering fluids, brake fluids, coolant/antifreeze, radiator flush wastewater and spent solvents shall be collected and disposed of in accordance with applicable solids and hazardous waste management rules. These materials shall not be discharged to surface or groundwaters of the state. [Minn. R. 7001.0150, subp. 2]
	5.10.39	The steam-cleaning of mobile equipment and rail equipment, except for limited outdoor cleaning of large drills and shovels, shall be conducted in wash bays that drain to wastewater treatment systems that include the removal of suspended solids and flammable liquids. The only washing of mobile equipment done in outside areas shall be to remove mud and dirt that has accumulated during outside work. [Minn. R. 7001.0150, subp. 2]
	5.10.40	Mobile and rail equipment washing shall not use solvent-based cleaners such as those available for brake cleaning and degreasing unless the cleaning fluids are completely contained and not allowed to flow to surface or groundwaters of the state. Soaps and detergents used in washing shall be biodegradable. [Minn. R. 7001.0150, subp. 2]
	5.10.41	Mobile and rail equipment maintenance and repairs shall not be conducted in wash bays. [Minn. R. 7001.0150, subp. 2]
	5.10.42	Hazardous materials shall not be stored or handled in wash bays. [Minn. R. 7001.0150, subp. 2]
	5.10.43	Wastewater containment systems, including pipes, shall be inspected regularly. Leaks that are detected shall be repaired immediately. [Minn. R. 7001.0150, subp. 2]
	5.10.44	If the Permittee discovers that recoverable amounts of petroleum products have entered wastewater containment systems, they shall be recovered immediately and reported to the MPCA. [Minn. R. 7001.0150, subp. 2]
	5.10.45	Spill cleanup procedures shall be posted in mobile and rail equipment maintenance and repair areas. [Minn. R. 7001.0150, subp. 2]
	5.10.46	**Polychlorinated Biphenyls (PCBs). [Minn. R. 7001]**
	5.10.47	PCBs, including but not limited to those used in electrical transformers and capacitors, shall not be discharged or released to the environment. [Minn. R. 7001.0150, subp. 2]
	5.10.48	**New Proposed Dewatering. [Minn. R. 7001]**
	5.10.49	The Permittee shall obtain a permit modification before discharging from a new dewatering outfall. [Minn. R. 7001.170]
	5.10.50	In addition to the requirements in the Permit Modifications part of the Total Facility Requirements chapter, the Permittee shall submit to the MPCA detailed plans and specifications for the proposed methods of achieving discharge limits for turbidity and total suspended solids, based in part upon representative water quality data for untreated wastewater and a detailed map and diagram description of the proposed design for the flow control structures and route of the discharge to receiving waters. [Minn. R. 7001.170]
	5.10.51	**Piping. [Minn. R. 7001]**

	5.10.52	The Permittee shall implement the necessary preventative measure to minimize the potential for releases of wastewater from pipelines. Any such releases shall be contained and shall be reported as described in the release section of this permit. [Minn. R. 7001]
	5.10.53	The Permittee shall visually inspect the routes of pipelines that transport wastewater as needed to detect any pipeline spills or leaks. Pipeline pressure, flow rate, density, and pipe and joint thickness shall be measure as needed to prevent and detect potential leaks from pipelines. Records of these inspections and measurements shall be made available upon request. [Minn. R. 7001]
	5.10.54	**Piping Integrity Plan. [Minn. R. 7001]**
	5.10.55	The Permittee shall submit a Piping Integrity Plan: Due by 90 days after permit issuance. The plan shall include the following: A. Maps, drawings, and diagrams along with methods for both pipe assessment and restoration of integrity; B. Timeline (maximum of three years for high priority/high risk pipes and maximum of ten years for all other pipes) for assessing condition of all piping conveying wastewater at the facility; and C. Timeline (maximum of one year) for restoring integrity of any piping found to have defects allowing either infiltration or exfiltration of water. [Minn. R. 7001]
	5.10.56	**Annual Piping Report. [Minn. R. 7001]**
	5.10.57	The Permittee shall submit a Piping Report: Due annually, by the 31st of March. The report shall include findings (e.g., including but not limited to televising footage) and summaries of actions taken responsive to the Piping Integrity Plan. [Minn. R. 7001]
		Industrial Water Treatment: Cooling Process Water
	5.11.58	This chapter authorizes the Permittee to discharge untreated, non-contact cooling water generated at the facility, as described in the 'Facility Description' portion of this permit. This activity is limited by the 'Limits and Monitoring' section of this permit, as well as the other terms and conditions of this permit. [40 CFR pt. 122, Minn. R. 7001]
		Contaminated Groundwater Pumpout
	5.12.59	**Authorization**. [Minn. R. 7001]
	5.12.60	The Permittee is authorized to discharge treated contaminated groundwater with reduced pollutant levels using Best Available Technology Economically Achievable (BAT). [Minn. R. 7001]
	5.12.61	This permit authorization is limited to: discharge from a groundwater removal system designed to remediate the defined groundwater contamination plume with known aquifer characteristics, providing that: A. Prior to discharge, the groundwater is treated using BAT), which may include, but is not necessarily limited to: multi-stage activated carbon, air stripping (i.e., packed tower, multiple tray, etc.), ultraviolet/oxidation, or biological treatment, any of which may be used in conjunction with in-situ bioremediation; B. The groundwater contains only pollutants for which the treatment efficiency and discharge quality can be adequately characterized by the pollutants and/or indicator compounds regulated herein and controlled by the BAT system employed; and C. The treatment used meets the limits described in the limits and monitoring section of this permit. [Minn. R. 7001]
	5.12.62	**Best Available Technology Economically Available** For toxic pollutants, Section 301(b)(2) of the Clean Water Act (CWA) requires that all NPDES permits apply BAT for the reduction of pollutants in the waste stream. The BAT level of performance is understood to mean: "the very best control and treatment measures that have been, or are capable of being achieved.". [CWA Sect. 301]

	5.12.63	The technology-based treatment requirements cannot be satisfied through the use of "non-treatment" techniques such as flow augmentation and in-stream mechanical aerators. [40 CFR pt. 125, 3]
	5.12.64	**Other Permits**. [Minn. R. 7001]
	5.12.65	The Permittee is responsible for obtaining the necessary federal, state, and local approvals and permits. Water appropriation approval/permits are regulated by the Department of Natural Resources (DNR), and the Permittee shall secure authorization according to the DNR rules and regulations. Discharges to municipal storm sewers may require approval from the local municipal authority. It is the Permittee's responsibility to acquire local approval. This permit does not grant the Permittee access or a right to connect to a municipal storm sewer. If the Permittee discharges into a regulated Municipal Separate Storm Sewer System (MS4), the Permittee shall notify the operator of the MS4 of the existence of this permit within 30 days of its issuance. The emission of volatile organic compounds from air stripping of contaminated groundwater shall be either approved, exempted from, or in compliance with an MPCA air emission permit. [Minn. R. 7001]
	5.12.66	**Prohibited Discharges**. [Minn. R. 7001]
	5.12.67	The Permittee shall prevent the routing of pollutants from the facility to a municipal wastewater treatment system in any manner unless authorized by the pretreatment standards of the MPCA and the municipal authority. [Minn. R. 7001]
	5.12.68	The Permittee shall not discharge sludges, suspended solids, or settleable solids to surface waters of the state during cleaning of the air stripper, or any other treatment component. [Minn. R. 7050.0205]
	5.12.69	**PCBs, Dioxins, Furans**. The intentional discharge of polychlorinated biphenyls (PCBs), dioxins, or furans into the waters of the state in such quantity, or in such manner alone, or in combination with other substances as to cause a violation of the applicable standards is prohibited. [Minn. R. 7001.1080]
	5.12.70	**Metals**. Except for clean-up sites associated with leaded gasoline, the discharge of contaminated groundwater with toxic metals at a level of concern, is not authorized under this permit. [Minn. R. 7001.1080]
	5.12.71	**Rare or Endangered Species**. Discharges which would have a detrimental impact on rare or endangered species are prohibited. [Minn. R. 7053.0217]
	5.12.72	**Treatment Wastes**. Discharges of treatment residuals or sludges, suspended solids, or backwashed sediment from the cleaning of treatment system components are prohibited. [Minn. R. 7050.0210, subp. 13]
	5.12.73	**Other Wastes**. Discharges of wastes other than those described in the facility description of the permit are prohibited. [Minn. R. 7001]
	5.12.74	**Treatment System Operation and Maintenance**. [Minn. R. 7001]
	5.12.75	The Permittee shall at all times properly operate and maintain all systems and components of collection, treatment and control which are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance shall include effective performance, adequate funding, and as applicable adequate operator staffing and training, adequate laboratory and process controls, and appropriate quality assurance procedures. [Minn. R. 7001]
	5.12.76	5.13.77 - 5.13.83 are applicable if discharge is resumed at SD 002 (treated groundwater pumpout water). All systems both in-service and reserved, shall be inspected and maintained on a regular basis. Records shall be kept of the inspection results and maintenance performed. Records shall be made available to the MPCA upon request. [Minn. R. 7001]

	5.12.77	Where used, the operation of multi-stage activated carbon treatment systems shall be such that the rotation of carbon stages and the replacement of spent carbon shall be initiated upon break-through of pollutants in the intermediate treatment stage. [Minn. R. 7001]
	5.12.78	The groundwater treatment system shall be equipped with liquid level and pressure sensors, alarms, automatic shutoffs, and other fail-safe features, as appropriate to ensure the integrity of the treatment system and prevent water quality exceedances. [Minn. R. 7001]
	5.12.79	If the system includes granular activated carbon, the theoretical time to carbon breakthrough of the entire system shall be greater than either ten days beyond the anticipated period of the discharge, or sixty days, whichever is less. [Minn. R. 7001]
	5.12.80	The Permittee shall maintain a Treatment Operations Plan that describes the treatment system used to achieve compliance with the permit conditions. The plan shall include, at a minimum: A. A description of how the processes employed and physical design of the treatment works to ensure compliance with the permit limits; B. A contingency plan to be activated in the event of an emergency, including measures for the protection of the health and safety of employees and the public; C. Provisions for system start-up including a description of additional sample collection needed to show that the system is operating as designed before wastewater is released; D. Provisions for system shutdown; and E. Provisions to determine if the treatment system requires maintenance or other corrective actions to meet the permit limits. The Permittee shall provide a copy of this plan upon the request of the MPCA. [Minn. R. 7001.0150, subp. 3]
	5.12.81	Data and analytic results pertaining to treatment system start-up shall be maintained with the Treatment Operations Plan. [Minn. R. 7001.0150, subp. 3 (F)]
	5.12.82	This permit requires the operation of backup or auxiliary facilities or similar systems installed by a Permittee only when the operation is necessary to achieve compliance with the conditions of this permit. [Minn. R. 7001.0150, subp. 3 (F)]
	5.12.83	**Discharge Changes**. [Minn. R. 7001]
	5.12.84	The Permittee shall submit a written request, and if required, apply for a modification of this permit before increasing the discharge volume, or if groundwater monitoring identifies additional pollutants or contaminant sources. [Minn. R. 7001.0170]
	5.12.85	To begin discharge of contaminated groundwater from a new outfall, the Permittee shall submit a written application for and obtain a major modification of this permit, according to the Permit Modifications section of this permit. [Minn. R. 7001.0170]
	5.12.86	**Application for Permit Reissuance**. [Minn. R. 7001.0040]
	5.12.87	The application for reissuance shall include a general discussion of the groundwater remediation activity, including descriptions of the likely source(s) of contamination, extraction method, treatment process(es), design parameters-including influent and effluent pollutant levels, and average and maximum daily flow rates. [Minn. R. 7001.0050]
		Total Residual Oxidants
	5.13.88	**General Requirements**. [Minn. R. 7001]
	5.13.89	Total Residual Chlorine (TRC) shall be analyzed immediately. This means within 15 minutes or less of sample collection. [40 CFR 136.6]
	5.13.90	A Reporting Limit (RL) shall be established for this parameter. This must be based on the analysis of a standard at or below the RL. [Minn. R. 7001]
	5.13.91	The RL shall be verified against a known standard at least monthly during the monitoring period. For successful verification, the standard needs to be recovered at +/- 40% of the actual value. [Minn. R. 7001]
	5.13.92	Monitoring results below the RL should be reported as "<" the RL. If the RL is 0.01 mg/L, based on the analysis of a standard at or below that level, and a parameter is not detected at a value of 0.01

		mg/L or greater, the concentration shall be reported as "<0.01 mg/L." The symbol "<" means "less than.". [Minn. R. 7001]
		Total Facility Requirements (NPDES/SDS)
	5.14.93	**Definitions.** Refer to the Permit User's Manual found on the MPCA's website at https://www.pca.state.mn.us/sites/default/files/wq-wwtp7-09.pdf for standard definitions. [Minn. R. 7001]
	5.14.94	**Incorporation by Reference.** This permit incorporates the following applicable federal and state laws as 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]
	5.14.95	**Permittee Responsibility.** The Permittee shall perform the actions or conduct the activities 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)]
	5.14.96	**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 40 CFR pts. 400 to 460; Minn. R. chs. 7050, 7052, and 7053; and any other applicable MPCA rules. [Minn. R. 7001.1090, subp. 1(A)]
	5.14.97	**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, 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. The discharge shall not cause a material discoloration in the receiving water. Any discharge that results in a discernable change to the existing/ambient color of the receiving water constitutes material discoloration. [Minn. R. 7050.0210, subp. 2]
	5.14.98	**Property Rights.** This permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, subp. 3(C)]
	5.14.99	**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)]
	5.14.100	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)]
	5.14.101	**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)]
	5.14.102	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)]
	5.14.103	**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]
	5.14.104	**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]
	5.14.105	**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 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, monitoring, and other inspection equipment, pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activities covered by the permit. [Minn. R. 7001.0150, subp. 3(I)]
	5.14.106	**Control Users.** 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)]
	5.14.107	**Sampling**. [Minn. R. 7001]
	5.14.108	**Representative Sampling.** Sampling and measurements required by the permit shall be conducted as specified in the permit and shall be representative of the discharge or monitored activities. [Minn. R. 7001.0150, subp. 2(B)]
	5.14.109	**Additional Sampling.** 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)]
	5.14.110	**Certified/Accredited Laboratory.** 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, including calibrations and the QA/QC section. 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]
	5.14.111	**Sample Preservation and Procedure.** Sample preservation and test procedures for the analysis of pollutants shall conform to 40 CFR pt. 136, including calibrations, the QA/QC section, and Minn. R. 7041.3200. Note - Table II of 40 CFR pt. 136.3 contains the requisite sample container, preservation (including, but not limited to thermal and pH adjustment), and holding times. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7041.3200]
	5.14.112	**Equipment Calibration.** The Permittee shall check and/or calibrate flow meters, pumps, flumes, lift stations, or other flow monitoring equipment used for purposes of determining compliance (within plus or minus ten percent of the true flow values) with permit requirements at least twice annually. [Minn. R. 7001.0150, subp. 2(B & C)]
	5.14.113	**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 and time 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)]
	5.14.114	**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 or as stipulated elsewhere in this permit. The Permittee shall record the information in the specified areas on those forms and in the units specified.

		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 the Sample Values Form with the appropriate eDMRs. The Permittee may design and use their own Sample Values Form after MPCA review and approval. 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)]
	5.14.115	**Submitting Reports.** The Permittee shall submit eDMRs, Sample Values Forms, and other supplemental attachment forms via MPCA e-Services after the MPCA approves their authorization request. The Permittee shall electronically submit eDMRs, Sample Values Forms, and other supplemental attachment forms by the 21st day of the month following the sampling period or otherwise as specified in this permit. The Permittee shall complete eDMR submittal on or before 11:59 p.m. of the 21st day of the month following the sampling period or as otherwise specified in this permit. The Permittee shall submit an eDMR for each required station even if no discharge occurred during the reporting period. The Permittee shall submit other reports required by this permit electronically. The Permittee shall submit reports by the date specified in this permit. The Permittee shall submit reports on or before 11:59 p.m. on the date specified in this permit. Electronically: wq.submittals.mpca@state.mn.us Include water quality submittals form: www.pca.state.mn.us/sites/default/files/wq-wwprm7-71.docx. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(H)]
	5.14.116	**Incomplete or Incorrect Reports.** 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)]
	5.14.117	**Required Signatures.** 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]
	5.14.118	**Reporting Limit (RL).** The Permittee shall report monitoring results below the 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 Permittee shall report the concentration as "< 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. Where sample values are less than the RL and the permit requires reporting of an average, the Permittee shall calculate the average as follows: A. If some values are less than (<) the RL, substitute zero for all non-detectable values to use in the average calculation; B. If all values are less than (<) the RL, calculate the average and report as < the RL average

		concentration; and C. To calculate a mass loading with a less than (<) the RL concentration, use the RL value in the calculation and then add the "<" to the product of the concentration and the volume. [Minn. R. 7001.0150, subp. 2(B)]
	5.14.119	**Records.** 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 activities covered by the permit. [Minn. R. 7001.0150, subp. 3(H)]
	5.14.120	**Confidential Information.** 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]
	5.14.121	**Noncompliance and Enforcement**. [Minn. R. 7001]
	5.14.122	**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)]
	5.14.123	**Criminal Activity.** 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 & H), Minn. Stat. ch. 609.671, subd. 1]
	5.14.124	**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)]
	5.14.125	**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 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. 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 (see the Submitting Reports part of this chapter) including the description of noncompliance 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)]
	5.14.126	**Upset Defense.** In the event of temporary noncompliance with an 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: 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(I); and F. That the Permittee implemented the remedial measures required by Minn. R. 7001.0150, subp. 3(J). [Minn. R. 7001.1090]
	5.14.127	**Release**. [Minn. R. 7001]
	5.14.128	**Unauthorized Releases of Wastewater Prohibited.** 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. [Minn. Stat. ch. 115.061]
	5.14.129	**Discovery of a Release.** Upon discovery of a release, the Permittee shall: A. Take all reasonable steps to immediately end the release; B. Notify the Minnesota Department of Public Safety Duty Officer at 800-422-0798 or 651-649-5451 (metro area) immediately upon discovery of the release. In addition to the required notification to the Duty Officer, the Permittee may also contact the MPCA during business hours at 800-657-3864 or 651-296-6300 (metro area); C. Promptly after notifying the agency of a discharge, a publicly owned treatment works or a publicly or privately owned domestic sewer system owner must provide notice to the potentially impacted public and to any downstream drinking water facility that may be impacted by the discharge. Notice to the public and to any drinking water facility must be made using the most efficient communications system available to the facility owner such as in person, telephone call, radio, social media, web page, or another expedited form. In addition, signage must be posted at all impacted public use areas within the same jurisdiction or notification must be provided to the entity that has jurisdiction over any impacted public use areas. A notice under this paragraph must include the date and time of the discharge, a description of the material released, a warning of the potential public health risk, and the permittee's contact information; and D. 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, Minn. Stat. ch. 115.061, subp. C]
	5.14.130	**Sampling of a Release.** Upon discovery of a release, the Permittee shall: 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, or as stipulated elsewhere in

		this permit; B. The Permittee shall submit the Release Report information according to guidance found here: https://www.pca.state.mn.us/sites/default/files/wq-wwtp7-20a.docx. The Permittee shall submit the Release Report to the MPCA with the next eDMR or within 30 days, whichever is sooner. If the Permittee submits quarterly eDMRs and the next submittal is greater than 30 days, the Release Report may be submitted to the water quality submittals email address (see the Submitting Reports part of this chapter); and C. Submit the sampling results on the Release Report located on the MPCA's website at https://www.pca.state.mn.us/business-with-us/discharge-monitoring-reports. [Minn. R. 7001.1090]
	5.14.131	**Bypass**. [Minn. R. 7001]
	5.14.132	"Essential Maintenance" is a scheduled maintenance event that is required to ensure efficient operation of the facility. [Minn. R. 7001.1020, subp. 13]
	5.14.133	"Effluent limitation" means a restriction established by rule or permit condition on quantities, discharge rates, and concentrations of pollutants that are discharged from point sources into waters of the state. [Minn. R. 7001.1020, subp. 13]
	5.14.134	**Anticipated Bypass.** The Permittee may allow any bypass to occur that does not cause effluent limitation exceedances, but only if the bypass is for a scheduled essential maintenance event 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: A. The proposed date and estimated duration of the bypass; B. The alternatives to bypassing; and 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. [Minn. R. 7001.1090, subp. 1(J)]
	5.14.135	Any bypass that is not anticipated for a scheduled essential maintenance event is considered unanticipated and is prohibited. This permit prohibits all other bypasses. In the event of an unanticipated bypass, the Permittee shall: A. Take all reasonable steps to immediately end the bypass; B. Notify the Minnesota Department of Public Safety Duty Officer at 800-422-0798 or 651-649-5451 (metro area) immediately upon commencement of the bypass. In addition to the required notification to the Duty Officer, the Permittee may also contact the MPCA during business hours at 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; and D. 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. [Minn. R. 7001.1090, subp. 1(K), Minn. Stat. ch. 115.061]
	5.14.136	**Notification of the Public**. Following immediate notification to the Minnesota Department of Public Safety Duty Officer and the MPCA of any discharge event that could endanger human health, public drinking water supplies, or the environment, or a Release or Bypass, as described above, the Permittee shall promptly notify the public and any drinking water facility of the discharge. Notice to the public and to any drinking water facility must be made using the most efficient communications system available to the facility owner such as in person, telephone call, radio, social media, webpage, or another expedited form. In addition, signage must be posted at all

		impacted public use areas within the same jurisdiction or notification must be provided to the entity that has jurisdiction over any impacted public use areas. A notice under this requirement must include the date and time of the discharge, a description of the material released, a warning of the potential public health risk, and the Permittee's contact information. [Minn. Stat. ch. 115.061]
	5.14.137	In addition to other facts or incidents required by the permit to be reported within 24 hours, the Permittee shall report in accordance with part 7001.0150, subpart 3, item K any unanticipated bypass, or upset that causes an exceedance of an applicable effluent limitation. [Minn. R. 7001.1090, subp. 1]
	5.14.138	**Operation and Maintenance**. [Minn. R. 7001]
	5.14.139	The Permittee shall at all times properly operate and maintain the facilities, sewer system, 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)]
	5.14.140	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)]
	5.14.141	**Solids Management.** 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]
	5.14.142	**Scheduled Maintenance.** 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)]
	5.14.143	**Control Tests.** 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)]
	5.14.144	**Changes to the Facility or Permit**. [Minn. R. 7001]
	5.14.145	**Permit Modifications.** 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]
	5.14.146	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 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]
	5.14.147	**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)]
	5.14.148	**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. The Permittee shall request approval for an increase or new use of a chemical additive at least 60 days, or as soon as possible, before the proposed increase or new use. The Permittee shall include at least the following information for the proposed additive as instructed in the chemical additive approvals section on the MPCA's website at https://www.pca.state.mn.us/business-with-us/wastewater-permit-additional-guidance-and-information (under Chemical additive approvals): A. Follow Chemical Additive Review Guidance (wq-prm2-12) and complete the Chemical Additive calculator tool (wq-wwprm2-12a.xlsm), including; B. The process for which the additive will be used; C. 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 (such as Ceriodaphnia or Daphnia sp.) and b) a 96-hour LC50/EC50 acute study such as rainbow trout, bluegill, or fathead minnow or another North American freshwater aquatic species other than a planktonic crustacean; D. A complete product use and instruction label; E. 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 F. The proposed method of application, application frequency, and maximum rates of use. 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 or use of an additive not requiring formal review and approval 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, including nuisance conditions and material discoloration. [Minn. R. 7001.0170]
	5.14.149	**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 of this permit pursuant to Minn. R. 7001.0180. [Minn. R. 7001.0170, Minn. R. 7001.0180]
	5.14.150	**Total Maximum Daily Load (TMDL) Impacts.** 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)]
	5.14.151	**Permit Transfer.** 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)]
	5.14.152	**Facility Closure or Significant Reduction in Activity.** 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 Permittee may submit a Facility Closure Plan to the MPCA no later than 150 days prior to the Facility Closure, and the MPCA may require submittal of a Facility Closure Plan via written notification. The Permittee may comply with the submitted Facility Closure Plan. 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. 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]
	5.14.153	**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. [Minn. R. 7001.0040]
	5.14.154	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: 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; or 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]

6. Submittal action summary

SD 001	**Storm Sewer To Surface Water**	
		Facility Specific Limit and Monitoring 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)]
SD 002	**Effluent To Surface Water**	
		Facility Specific Limit and Monitoring 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)]
SD 005	**Effluent To Surface Water**	
		Facility Specific Limit and Monitoring Requirements
	6.3.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
SD 006	**Effluent To Surface Water**	
		Facility Specific Limit and Monitoring Requirements
	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)]
SD 008	**Storm Sewer To Surface Water**	
		Facility Specific Limit and Monitoring Requirements
	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)]
SD 009	**Limits Calculation**	
		Facility Specific Limit and Monitoring Requirements
	6.6.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
MN0001724	**Andersen Corp**	
		Per- and Polyfluoroalkyl Substances (PFAS)
	6.7.1	The Permittee shall submit a PFAS Screening Report: Due by 180 days prior to permit expiration. For those facilities that discharge directly to Class 1 waters, the Permittee shall collect a sample at all surface discharge (SD) monitoring locations listed in the permit and analyze the sample(s) for per- and polyfluoroalkyl substances (PFAS) and submit the results of the analysis in

		accordance with the following: A. The Permittee shall analyze for PFAS at all surface discharge monitoring locations identified in the permit at least once per permit cycle; B. The Permittee must analyze the samples using draft EPA method 1633 or EPA 1633A and subsequent revisions for all PFAS compounds the method is capable of producing results for; C. The reporting limit for analysis of PFOS or PFOA is two (2) nanograms per liter (ng/L). If the reporting limit is exceeded, the Permittee shall submit an explanation of the cause with the report; D. The PFAS Screening Report shall include: i. The results of the analysis including all PFAS lab reports and data collected from all monitoring locations at the facility. ii. A summary of the sampling methodology and procedure. iii. A discussion of the potential source of any PFAS detected through sampling and analysis. E. The Permittee shall submit the PFAS Screening Report to MPCA Water Quality Submittals by 180 days prior to permit expiration. [Minn. R. 7001]
		Industrial Wastewater General Requirements
	6.8.2	The Permittee shall submit a Piping Integrity Plan: Due by 90 days after permit issuance. The plan shall include the following: A. Maps, drawings, and diagrams along with methods for both pipe assessment and restoration of integrity; B. Timeline (maximum of three years for high priority/high risk pipes and maximum of ten years for all other pipes) for assessing condition of all piping conveying wastewater at the facility; and C. Timeline (maximum of one year) for restoring integrity of any piping found to have defects allowing either infiltration or exfiltration of water. [Minn. R. 7001]
	6.8.3	The Permittee shall submit a Piping Report: Due annually, by the 31st of March. The report shall include findings (e.g., including but not limited to televising footage) and summaries of actions taken responsive to the Piping Integrity Plan. [Minn. R. 7001]
		Total Facility Requirements (NPDES/SDS)
	6.9.4	**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. [Minn. R. 7001.0040]

7. Limits and monitoring

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

		Discharge limitations							Monitoring requirements			
Subject item	**Parameter**	**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**	**Notes**
SD 001 Bldg. 2 (010)	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	
SD 001 Bldg. 2 (010)	Nitrite Plus Nitrate, Total (as N)						Monitor only. daily maximum	milligrams per liter	once per year	Grab	Jan-Dec	
SD 001 Bldg. 2 (010)	Nitrogen, Kjeldahl, Total						Monitor only. daily maximum	milligrams per liter	once per year	Grab	Jan-Dec	
SD 001 Bldg. 2 (010)	Nitrogen, Total (as N)						Monitor only. daily maximum	milligrams per liter	once per year	Calculation	Jan-Dec	
SD 001 Bldg. 2 (010)	pH				6.0 instantaneous minimum		9.0 instantaneous maximum	standard units	once per month	Grab	Jan-Dec	
SD 001 Bldg. 2 (010)	Phosphorus, Total (as P)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 001 Bldg. 2 (010)	Solids, Total Suspended (TSS)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 001 Bldg. 2 (010)	Sulfate, Total (as SO4)						Monitor only. daily maximum	milligrams per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
SD 001 Bldg. 2 (010)	Temperature, Water (F)						86 calendar month maximum	degrees Fahrenheit	once per month	Grab	Jan-Dec	

		Discharge limitations							Monitoring requirements			
Subject item	**Parameter**	**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**	**Notes**
SD 002 Bldg. 5 (020)	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	
SD 002 Bldg. 5 (020)	Nitrite Plus Nitrate, Total (as N)						Monitor only. daily maximum	milligrams per liter	once per year	Grab	Jan-Dec	
SD 002 Bldg. 5 (020)	Nitrogen, Kjeldahl, Total						Monitor only. daily maximum	milligrams per liter	once per year	Grab	Jan-Dec	
SD 002 Bldg. 5 (020)	Nitrogen, Total (as N)						Monitor only. daily maximum	milligrams per liter	once per year	Calculation	Jan-Dec	
SD 002 Bldg. 5 (020)	pH				6.0 instantaneous minimum		9.0 instantaneous maximum	standard units	once per month	Grab	Jan-Dec	
SD 002 Bldg. 5 (020)	Phosphorus, Total (as P)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 002 Bldg. 5 (020)	Solids, Total Suspended (TSS)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 002 Bldg. 5 (020)	Sulfate, Total (as SO4)						Monitor only. daily maximum	milligrams per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
SD 002 Bldg. 5 (020)	Temperature, Water (F)						86 calendar month maximum	degrees Fahrenheit	once per month	Grab	Jan-Dec	
SD 005 Bldgs 5, 10 & 14 (050)	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	

		Discharge limitations							Monitoring requirements			
Subject item	**Parameter**	**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**	**Notes**
SD 005 Bldgs 5, 10 & 14 (050)	Nitrite Plus Nitrate, Total (as N)						Monitor only. daily maximum	milligrams per liter	once per year	Grab	Jan-Dec	
SD 005 Bldgs 5, 10 & 14 (050)	Nitrogen, Kjeldahl, Total						Monitor only. daily maximum	milligrams per liter	once per year	Grab	Jan-Dec	
SD 005 Bldgs 5, 10 & 14 (050)	Nitrogen, Total (as N)						Monitor only. daily maximum	milligrams per liter	once per year	Calculation	Jan-Dec	
SD 005 Bldgs 5, 10 & 14 (050)	pH				6.0 instantaneous minimum		9.0 instantaneous maximum	standard units	once per month	Grab	Jan-Dec	
SD 005 Bldgs 5, 10 & 14 (050)	Phosphorus, Total (as P)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 005 Bldgs 5, 10 & 14 (050)	Solids, Total Suspended (TSS)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 005 Bldgs 5, 10 & 14 (050)	Sulfate, Total (as SO4)						Monitor only. daily maximum	milligrams per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
SD 005 Bldgs 5, 10 & 14 (050)	Temperature, Water (F)						86 calendar month maximum	degrees Fahrenheit	once per month	Grab	Jan-Dec	
SD 006 Bldg. 31, 060 (206)	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	
SD 006 Bldg. 31, 060 (206)	Nitrite Plus Nitrate, Total (as N)						Monitor only. daily maximum	milligrams per liter	once per year	Grab	Jan-Dec	
SD 006 Bldg. 31, 060 (206)	Nitrogen, Kjeldahl, Total						Monitor only. daily maximum	milligrams per liter	once per year	Grab	Jan-Dec	

		Discharge limitations							Monitoring requirements			
Subject item	**Parameter**	**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**	**Notes**
SD 006 Bldg. 31, 060 (206)	Nitrogen, Total (as N)						Monitor only. daily maximum	milligrams per liter	once per year	Calculation	Jan-Dec	
SD 006 Bldg. 31, 060 (206)	pH				6.0 instantaneous minimum		9.0 instantaneous maximum	standard units	once per month	Grab	Jan-Dec	
SD 006 Bldg. 31, 060 (206)	Phosphorus, Total (as P)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 006 Bldg. 31, 060 (206)	Solids, Total Suspended (TSS)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 006 Bldg. 31, 060 (206)	Sulfate, Total (as SO4)						Monitor only. daily maximum	milligrams per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
SD 006 Bldg. 31, 060 (206)	Temperature, Water (F)						86 calendar month maximum	degrees Fahrenheit	once per month	Grab	Jan-Dec	
SD 008 RO Concentrate & NCCW - Air Compressor	Chloride, Total						Monitor only. daily maximum	milligrams per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
SD 008 RO Concentrate & NCCW - Air Compressor	Chlorine, Total Residual						Monitor only. daily maximum	milligrams per liter	twice per month	Grab	Jan-Dec	
SD 008 RO Concentrate & NCCW - Air Compressor	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	

		Discharge limitations							Monitoring requirements			
Subject item	**Parameter**	**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**	**Notes**
SD 008 RO Concentrate & NCCW - Air Compressor	Nitrite Plus Nitrate, Total (as N)						Monitor only. daily maximum	milligrams per liter	twice per year	Grab	Mar, Sep	
SD 008 RO Concentrate & NCCW - Air Compressor	Nitrogen, Kjeldahl, Total						Monitor only. daily maximum	milligrams per liter	twice per year	Grab	Mar, Sep	
SD 008 RO Concentrate & NCCW - Air Compressor	Nitrogen, Total (as N)						Monitor only. daily maximum	milligrams per liter	twice per year	Calculation	Mar, Sep	
SD 008 RO Concentrate & NCCW - Air Compressor	pH				6.0 instantaneous minimum		9.0 instantaneous maximum	standard units	once per month	Grab	Jan-Dec	
SD 008 RO Concentrate & NCCW - Air Compressor	Phosphorus, Total (as P)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 008 RO Concentrate & NCCW - Air Compressor	Solids, Total Dissolved (TDS)						Monitor only. daily maximum	milligrams per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
SD 008 RO Concentrate & NCCW - Air Compressor	Solids, Total Suspended (TSS)					30 calendar month average	45 calendar month maximum	milligrams per liter	once per month	Grab	Jan-Dec	
SD 008 RO Concentrate & NCCW - Air Compressor	Specific Conductance						Monitor only. daily maximum	micromhos per cm	once per quarter	Grab	Mar, Jun, Sep, Dec	

		Discharge limitations							Monitoring requirements			
Subject item	**Parameter**	**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**	**Notes**
SD 008 RO Concentrate & NCCW - Air Compressor	Sulfate, Total (as SO4)						Monitor only. daily maximum	milligrams per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
SD 008 RO Concentrate & NCCW - Air Compressor	Temperature, Water (F)						86 calendar month maximum	degrees Fahrenheit	once per month	Grab	Jan-Dec	
SD 009 Calculation Station	Phosphorus, Total (as P)		104 12-month moving total	kilograms per year					once per month	Calculation	Jan-Dec	

8. Chemical Additives

Chemical additives currently approved for use at this facility:

Name	Dosage frequency	Location and maximum addition rate	Discharge location
Azone 15 (sodium hypochlorite for disinfection)	Continuous	2.0 gal/day	Surface Discharge SD 008
Calcium Chloride	Continuous	5,000 gal/year	Surface Discharge SD 008
Sodium Bisulfite 40%	Continuous	2.0 gal/day	Surface Discharge SD 008
Sodium Hydroxide 50%	Continuous	2.0 gal/day	Surface Discharge SD 008