

National Pollutant Discharge Elimination System/State Disposal System

MN0001431

Permittee: Sappi Cloquet LLC
Facility name: Sappi Cloquet LLC
Receiving water: St Louis River - Class 2Bg, 3, 4A, 4B, 5, 6 water
City or Township: Cloquet **County:** Carlton
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>

Table of Contents

	Page
1. Permitted facility description.....	4
2. Location map of permitted facility.....	6
3. Flow diagram.....	7
4. Summary of stations and station locations.....	8
5. Permit requirements.....	9
6. Submittal action summary	23
7. Limits and monitoring.....	24
8. Chemical Additives.....	27

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1. Permitted facility description

The Sappi Cloquet LLC facility (facility) is located at 2201 Ave B, Cloquet, Minnesota 55720-2155, Carlton County.

The primary activity at this facility is the manufacture of fine grade printing and writing paper from logs and timber brought on-site at an average production rate of 350,000 tons per year and a maximum production rate of 400,000 tons per year. A total of approximately 450,000 tons of pulp is produced per year, of which 175,000 tons are used on-site in the paper making process. The remaining pulp is dried by the Market Pulp Machine and sold to pulp customers. The pulp mill uses the Kraft pulping process followed by enhanced elemental chlorine free (ECF) bleaching to produce high quality pulp necessary to make fine coated printing paper. The pulp mill was modernized and expanded in the 1990's utilizing state of the art technology in process operations and environmental control.

The facility has permanently discontinued use of surface discharge station (SD) 001, therefore, SD 001 has been removed from this permit. Discharges at this outfall consisted of non-contact cooling waters from the old pulp mill, which has been demolished.

Existing outfall SD 002 consists of an overflow from the clearwell as a result of an instrumentation failure at a maximum rate of 3.69 million gallons per day (mgd) to the St. Louis River near the tail race of the No. 1 turbine. Water in the clearwell has been chemically treated and purified and routed through the Dynasand filters for use in the mill production process.

Existing outfall SD 003 consists of cooling water drained from the process water clearwell pump to the St. Louis River via the clearwell overflow line. Discharge through this outfall is rare and associated flow volume would be minimal (160 gallons per day).

In the event of an outage, chemically-treated water in the 150 foot, 3 million gallon clarifier which is part of the water treatment system used on incoming St. Louis River water would be piped directly back to the river via outfall SD 004 at a maximum rate of 3 mgd.

Existing outfall SD 014 is to permit the facility to temporarily become a non-consumptive user of St. Louis River water under Minnesota Department of Natural Resources (MNDNR) water appropriations statutes by transferring Lake Superior water directly to the St. Louis River at a maximum rate of 16 mgd. The temporary direct discharge would occur only when: (1) Flow on the St. Louis River has been at or below the Q90 (currently as measured at the USGS gage at Scanlon) for 120 consecutive hours; and (2) Lake Superior water is unavailable for the facility's process use as a result of a turbidity level that is unacceptable to the facility.

The facility is authorized to discharge a maximum of 80,000 gallons per day from draining of the cooling towers in the event of a maintenance outage. This is not a direct discharge but a discharge via the stormwater detention pond, which eventually overflows to the St. Louis River. The cooling tower discharge is monitored at waste station (WS) 001. This suboutfall would be used only once or twice per year. Treated water is added to the tower from the 150' clarifier or Lake Superior water system.

Sappi discharges its industrial process wastewaters to the publicly owned treatment works (POTW), operated by the Western Lake Superior Sanitary District (WLSSD). WLSSD was delegated the authority to administer the pretreatment program on June 24, 1985 and therefore, the 'indirect discharge' of process wastewaters as defined herein is not the subject of this NPDES/SDS permit.

Currently authorization for discharges of stormwater associated with industrial activities are provided by the NPDES/SDS General Stormwater Permit for Industrial Activity Permit MNR050000.

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

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

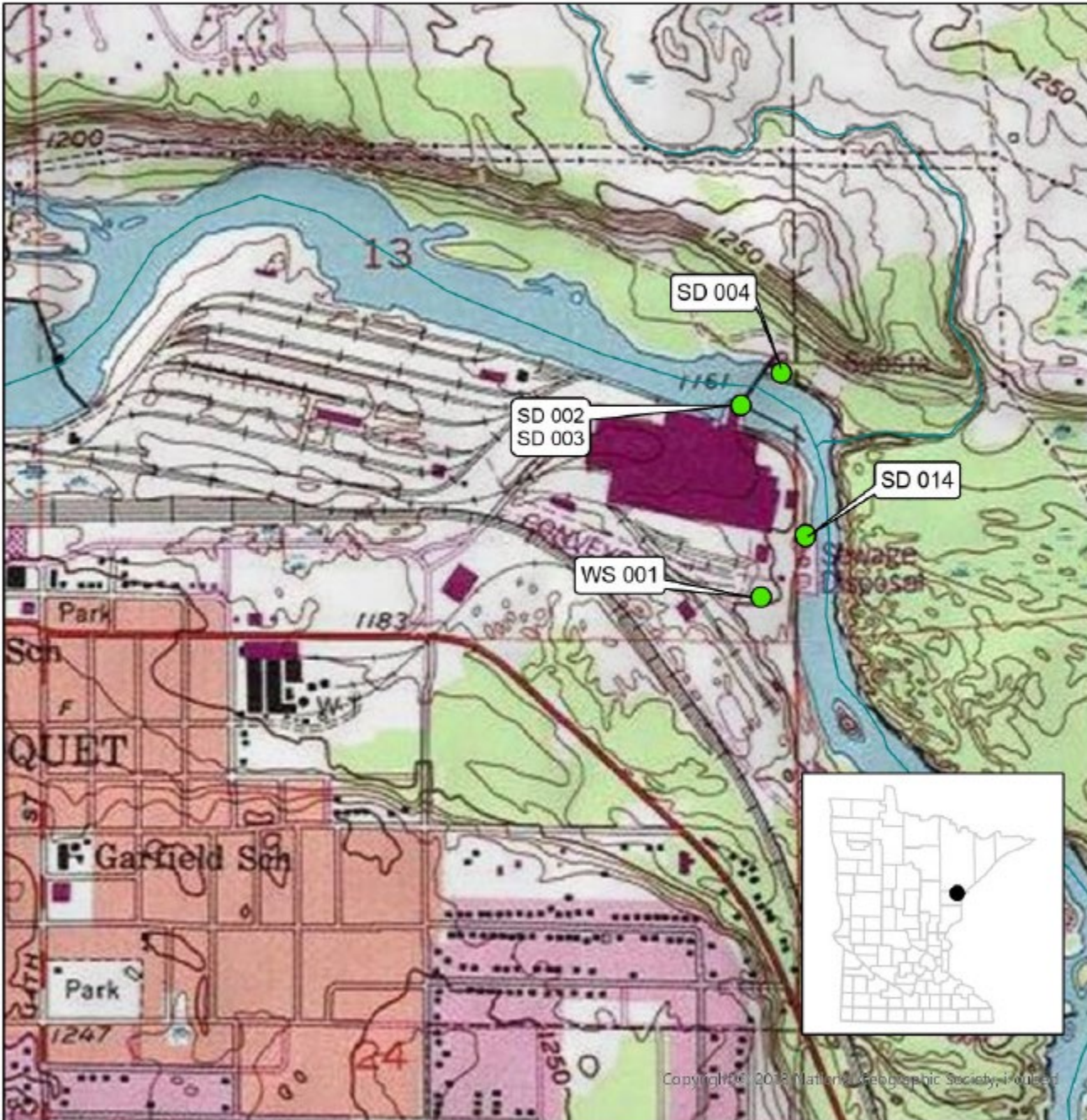
Any point source discharger of sewage, industrial, or other wastes for which a National Pollutant Discharge Elimination System (NPDES) permit has been issued by the MPCA that contains effluent limits more stringent than those that would be established by Minn. R. 7053.0215 to 7053.0265 shall continue 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.

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2. Location map of permitted facility

Facility Location Map

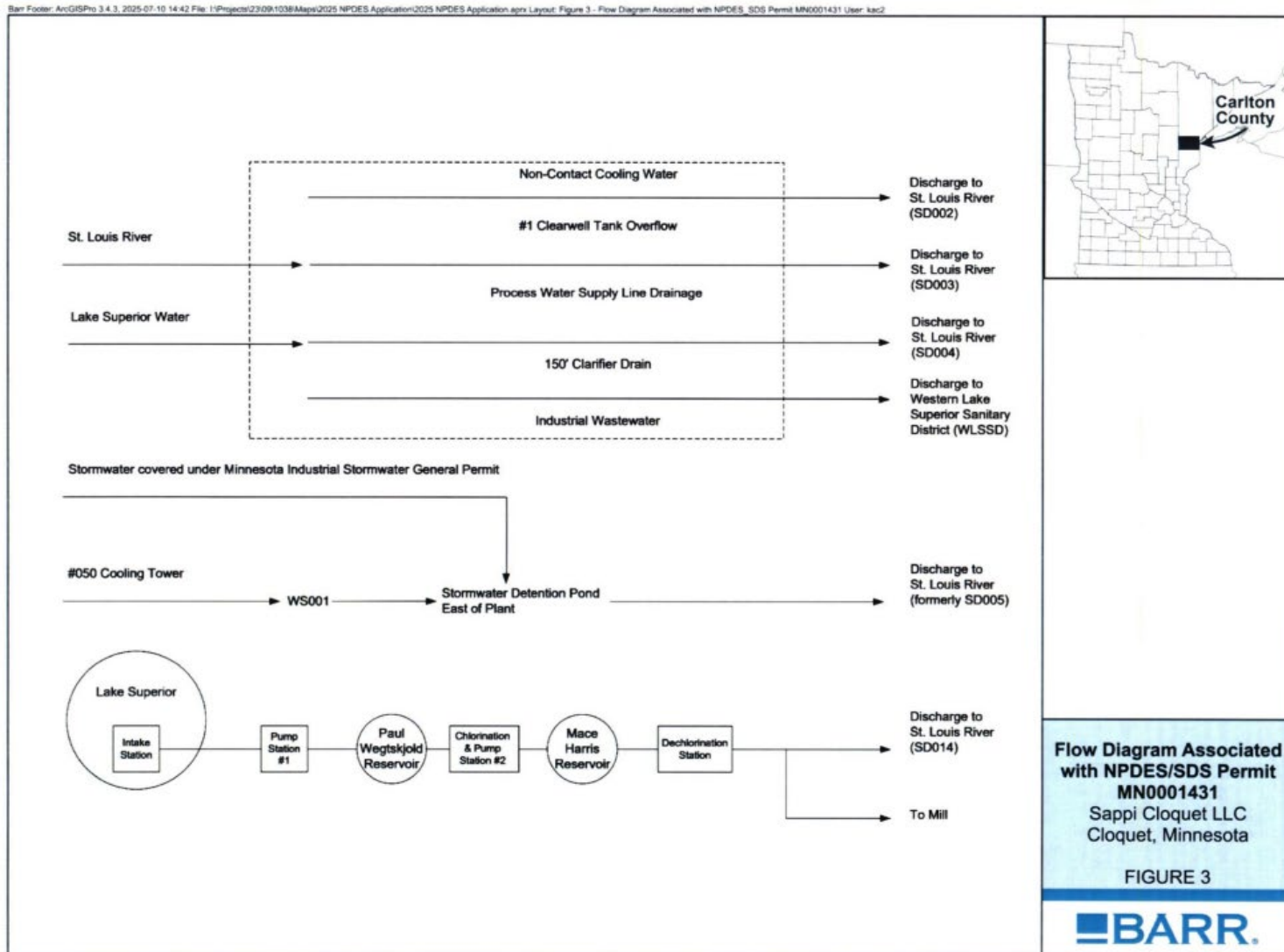
MN0001431: Sappi Cloquet LLC
T49N, R17W, Section 13
Cloquet, St. Louis County, Minnesota



Map produced by: MPCA Staff, 8/13/2025
Scale: 1:12,000

0 0.13 0.25 0.5 Miles

3. Flow diagram



4. Summary of stations and station locations

Station	Type of station	Local name	PLS location
SD 002	Effluent To Surface Water	#1 Clearwell Tank Overflow	T49N, R17W, S13, SE Quarter
SD 003	Effluent To Surface Water	Process Water Supply Line Drainage	T49N, R17W, S13, SE Quarter
SD 004	Effluent To Surface Water	Drain from the 150" Clarifier	T49N, R17W, S13, NE Quarter of the SE Quarter
SD 014	Effluent To Surface Water	Lake Superior Water Transfer to St. Louis River	T46N, R16W, S18, SW Quarter of the SW Quarter
WS 001	Internal Waste Stream	#050 Cooling Tower to Storm Detention Pond	T49N, R17W, S13, SE Quarter of the SE Quarter
WS 003	Internal Waste Stream	St. Louis River Influent	T49N, R17W, S13, SE Quarter of the SE Quarter

5. Permit requirements

SD 002	Effluent 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 002 shall be taken at a point representative of an overflow from the clearwell and the subsequent discharge to the St. Louis River. [Minn. R. 7001.0150, subp. 2(B)]
SD 003	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 003 shall be taken at a point representative of the water drained from the process water clearwell pump prior to discharge to the St. Louis River via the clearwell overflow line. [Minn. R. 7001.0150, subp. 2(B)]
SD 004	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 004 shall be taken at a point representative of the discharge from the 150 foot, 3 million gallon clarifier back to the river. [Minn. R. 7001.0150, subp. 2(B)]
SD 014	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 014 shall be taken from a tap on the Lake Superior water line pipe located just upstream of the discharge point of the Lake Superior water into the St. Louis River. [Minn. R. 7001.0150, subp. 2(B)]
WS 001	Internal Waste Stream	
		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 WS 001 shall be taken at a point representative of the emptying of the cooling tower into the storm detention basin. [Minn. R. 7001.0150, subp. 2(B)]
WS 003	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.6.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter 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	Samples for Station WS 003 shall be taken at a point representative of the St. Louis River influent. [Minn. R. 7001.0150, subp. 2(B)]
MN0001431	Sappi Cloquet LLC	
		Facility Specific Definitions
	5.7.1	The term "debris" means woody material such as bark, twigs, branches, heartwood or sapwood that will not pass through a 2.54 cm (1.0 in) diameter round opening and is present in the discharge from a wet storage facility. [Minn. R. 7001]
	5.7.2	The term "blowdown" means the minimum discharge of recirculating water for the purpose of discharging materials contained in the water, the further buildup of which would cause concentration in amounts exceeding limits established by best engineering practices. [Minn. R. 7001]
	5.7.3	The term "non-contact cooling water" means water used for cooling which does not come into direct contact with any raw material, intermediate product, waste product or finished product. [Minn. R. 7001]
	5.7.4	"Discharge" when used without qualification means the "discharge of a pollutant.". [40 CFR 122]
	5.7.5	The term "Discharge of a pollutant" means (1) the addition of any pollutant to navigable waters from any point source and (2) any addition of any pollutant to the waters of the contiguous zone or the ocean from any point source, other than from a vessel or other floating craft. The term "discharge" includes either the discharge of a single pollutant or the discharge of multiple pollutants. This definition includes additions of pollutants into waters of the United States from: surface runoff which is collected or channeled by man; discharges through pipes, sewers, or other conveyances owned by a State, municipality, or other person which do not lead to a treatment works; and discharges through pipes, sewers, or other conveyances, leading into privately owned treatment works. [40 CFR 122]
	5.7.6	"Point source" means any discernible, confined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, or vessel or other floating craft, from which pollutants are or may be discharged. [40 CFR 122]
	5.7.7	"Process wastewater" is any water that, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, by-product, or waste product. For the purposes of the definition, process wastewater includes boiler blowdown, wastewaters from water treatment and other utility operations, blowdowns from high rate (e.g., >98%) recycled non-contact cooling water systems to the extent they are mixed and co-treated with other process wastewaters; wastewater, including leachates, from landfills if the wastewater is co-mingled with wastewater from the mill's manufacturing or processing facility; and storm waters from the immediate process areas to the extent they are mixed and co-treated with other process wastewaters. [40 CFR pt. 430]

5.7.8	The term "pollution" means the man-made or man induced alteration of the chemical, physical, biological and radiological integrity of water. [Minn. R. 7001]
5.7.9	"Surface Water" or "Waters" for purposes of this permit, means all streams, lakes, ponds, marshes, wetlands, reservoirs, springs, rivers, drainage systems, waterways, watercourses, and irrigation systems whether natural or artificial, public or private. [Minn. R. 7001]
	Surface Discharge Station General Requirements
5.8.10	Sampling Location. [Minn. R. 7001]
5.8.11	Samples taken in compliance with the monitoring requirements specified in this permit shall be taken at the nearest accessible point after final treatment but prior to mixing with the receiving stream or as otherwise specified in this permit. [Minn. R. 7001]
5.8.12	Representative Samples. [Minn. R. 7001]
5.8.13	Samples and measurements required by this permit shall be representative of the monitored activity. [Minn. R. 7001]
5.8.14	Surface Discharge Prohibitions. [Minn. R. 7001]
5.8.15	Floating solids or visible foam shall not be discharged in other than trace amounts. [Minn. R. 7001]
5.8.16	Do not discharge oil or other substances in amounts that create a visible color film. [Minn. R. 7001]
5.8.17	Install and maintain outlet protection measures at the discharge stations to prevent erosion. [Minn. R. 7001]
5.8.18	The discharge shall not cause the receiving waters to contain taste or produce substances in concentrations that impart undesirable tastes or odors to fish flesh or other edible products of aquatic origin, that cause nuisance conditions or that adversely affect beneficial uses. [Minn. R. 7001]
5.8.19	The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the MPCA or as required by the federal Clean Water Act, and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the federal Clean Water Act, or amendments thereto, the MPCA may revise and modify this permit in accordance with such more stringent standards. [Minn. R. 7001]
5.8.20	The discharge shall not cause the receiving waters or effluent to contain toxic substances in concentrations that are toxic to, degrade, or that produce detrimental physiological responses in humans or animals or cause acute or chronic toxicity in plants or aquatic life. [Minn. R. 7001]
5.8.21	The discharge shall not degrade surface water communities and population including vertebrate, invertebrate, and plant species. [Minn. R. 7001]
5.8.22	Winter Sampling Conditions. [Minn. R. 7001]
5.8.23	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]
5.8.24	Analysis Requirements. [Minn. R. 7001]
5.8.25	Total residual chlorine and pH analyses shall be conducted within 15 minutes of sample collection. [Minn. R. 7001]
5.8.26	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)]
5.8.27	Reporting Requirements
5.8.28	Samples for parameters that have a monitoring frequency of once per quarter and an effective period of Mar, Jun, Sep, Dec may be taken any time during that calendar quarter but must be reported on the designated month's eDMR (e.g., the sample for the first calendar quarter of Jan-Mar will be reported on the March eDMR). [Minn. R. 7001]

		Waste Stream Station General Requirements
5.9.29		Representative Samples. [Minn. R. 7001]
5.9.30		Collect grab samples at a point representative of total influent flow to the system. [Minn. R. 7001]
5.9.31		Analysis Requirements. [Minn. R. 7001]
5.9.32		Analysis of pH shall be conducted within 15 minutes of sample collection. [Minn. R. 7001]
5.9.33		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 the 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)]
5.9.34		Reporting Requirements
5.9.35		Samples for parameters that have a monitoring frequency of once per quarter and an effective period of Mar, Jun, Sep, Dec may be taken any time during that calendar quarter but must be reported on the designated month's eDMR (e.g., the sample for the first calendar quarter of Jan-Mar will be reported on the March eDMR). [Minn. R. 7001]
		Industrial Wastewater General Requirements
5.10.36		Prohibited Discharges. [Minn. R. 7001]
5.10.37		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)]
5.10.38		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)]
5.10.39		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]
5.10.40		There shall be no discharge of process wastewater. The term "process wastewater" specifically excludes non-contact cooling water, material storage yard runoff, boiler blowdown, and fire control water. For purposes of this permit, the term further excludes utility water waste streams which has not come into direct contact with any raw material, intermediate product, finished product, by-product, or waste product. [Minn. R. 7001]
5.10.41		Toxic Substance Reporting. [Minn. R. 7001]
5.10.42		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]
5.10.43		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)]
5.10.44		Mobile and Rail Equipment Service Areas. [Minn. R. 7001]

5.10.45	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]
5.10.46	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]
5.10.47	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]
5.10.48	Mobile and rail equipment maintenance and repairs shall not be conducted in wash bays. [Minn. R. 7001.0150, subp. 2]
5.10.49	Hazardous materials shall not be stored or handled in wash bays. [Minn. R. 7001.0150, subp. 2]
5.10.50	Wastewater containment systems, including pipes, shall be inspected regularly. Leaks that are detected shall be repaired immediately. [Minn. R. 7001.0150, subp. 2]
5.10.51	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]
5.10.52	Spill cleanup procedures shall be posted in mobile and rail equipment maintenance and repair areas. [Minn. R. 7001.0150, subp. 2]
5.10.53	Polychlorinated Biphenyls (PCBs). [Minn. R. 7001]
5.10.54	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]
5.10.55	Piping. [Minn. R. 7001]
5.10.56	The Permittee shall inspect, maintain, and repair/replace process wastewater pipelines 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]
5.10.57	The Permittee shall visually inspect the pipelines that transport process wastewater as needed to detect any pipeline spills or leaks. Records of these inspections and measurements shall be made available upon request. Sanitary sewer piping is not subject to this requirement. [Minn. R. 7001]
	Industrial Water Treatment: Cooling Process Water
5.11.58	This chapter authorizes the Permittee to discharge non-contact cooling water generated at the facility, including draining of the cooling towers in the event of a maintenance outage, 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]
5.11.59	As further described in the Facility Description Section, the Permittee is authorized for discharges from the following water utility processes: Overflow from the clearwell, a holding basin for treated river water; Overflow discharge from the process water supply line; and Overflow from the 150 foot, 3 million gallon clarifier, a holding basin for treated river water. [Minn. R. 7001]
5.11.60	The waste streams authorized for discharge under this permit consists of waters associated with the cooling and water treatment processes. This permit does not authorize the discharge of industrial process wastewater. [Minn. R. 7001]
5.11.61	This permit does not authorize the discharge of wash waters from the cooling system cleaning processes. When the cooling system is being cleaned the section being cleaned is isolated, the cleaning

	performed and the tubes/pipes/heat exchangers are flushed to the process sewer system. [Minn. R. 7001]
	Total Residual Oxidants
5.12.62	General Requirements. [Minn. R. 7001]
5.12.63	Total Residual Chlorine (TRC) shall be analyzed immediately. This means within 15 minutes or less of sample collection. [40 CFR 136.6]
5.12.64	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]
5.12.65	A RL of 0.04 mg/L is considered in compliance with the 0.038 mg/L limit. [Minn. R. 7001]
5.12.66	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]
5.12.67	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]
5.12.68	Compliance with a Daily Maximum Limit. [Minn. R. 7001]
5.12.69	Compliance with a Daily Maximum limit for Total Residual Chlorine (TRC) concentration limits can be evaluated using one of the two following methods. [State Definitions]
5.12.70	Single Sample Value - A single sample taken in a 24-hour period with a value of 0.038 mg/L or less is considered in compliance; or. [Minn. R. 7001]
5.12.71	Multiple Sample Value - If the single value sample is greater than 0.038 mg/L, an average can be calculated using two to twelve samples analyzed in a 24-hour period. To calculate using multiple samples: A. The second sample shall be taken two hours after the initial sample; and B. Subsequent samples shall be taken at one-hour intervals not to exceed twelve samples in a 24-hour period The average value of the multiple samples must be 0.038 mg/L or less to be considered in compliance. Values below the RL for TRC are assumed to be zero for averaging purposes only. [Minn. R. 7001]
	Total Facility Requirements (NPDES/SDS)
5.13.72	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]
5.13.73	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]
5.13.74	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)]
5.13.75	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)]
5.13.76	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]
5.13.77	Property Rights. This permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, subp. 3(C)]
5.13.78	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)]
5.13.79	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)]
5.13.80	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)]
5.13.81	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)]
5.13.82	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]
5.13.83	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]
5.13.84	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)]
5.13.85	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)]
5.13.86	Sampling. [Minn. R. 7001]
5.13.87	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)]
5.13.88	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)]
5.13.89	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

	<p>manufacturer's specifications for equipment maintenance and use. [Minn. R. 4740.2010-4740.2120, Minn. R. 7001.4310-7001.4390]</p>
5.13.90	<p>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]</p>
5.13.91	<p>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)]</p>
5.13.92	<p>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:</p> <ul style="list-style-type: none"> 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)]
5.13.93	<p>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.</p> <p>Required forms may include a Sample Values Form. If required, the Permittee shall record individual values for each sample and measurement on the Sample Values Form provided by the MPCA. The Permittee shall submit the Sample Values Form with the appropriate eDMRs. The Permittee may design and use their own Sample Values Form after MPCA review and approval.</p> <p>Note: The Permittee shall also record required summary information on their eDMR. Permittee submitted summary information contained only on the Sample Values Form does not comply with reporting requirements. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.1090, subp. 1(D)]</p>
5.13.94	<p>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.</p> <p>The Permittee shall electronically submit eDMRs, Sample Values Forms, and other supplemental attachment forms by the 21st day of the month following the sampling period or otherwise as specified in this permit. The Permittee shall complete eDMR submittal on or before 11:59 p.m. of the 21st day of the month following the sampling period or as otherwise specified in this permit. The Permittee shall submit an eDMR for each required station even if no discharge occurred during the reporting period.</p> <p>The Permittee shall submit other reports required by this permit electronically. The Permittee shall submit reports by the date specified in this permit. The Permittee shall submit reports on or before 11:59 p.m. on the date specified in this permit.</p> <p>Electronically: wq.submittals.mpca@state.mn.us Include water quality submittals form: 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)]</p>
5.13.95	<p>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</p>

	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)]
5.13.96	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]
5.13.97	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)]
5.13.98	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)]
5.13.99	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]
5.13.100	Noncompliance and Enforcement. [Minn. R. 7001]
5.13.101	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)]
5.13.102	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]
5.13.103	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)]
5.13.104	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

	<p>prevent future violations.</p> <p>If the Permittee discovers that noncompliance with a condition of the permit occurred and that the noncompliance could endanger human health, public drinking water supplies, or the environment, the Permittee shall within 24 hours of the discovery of the noncompliance orally notify the Commissioner and submit a written description of the noncompliance within five days of the discovery.</p> <p>If the Permittee discovers other noncompliance that does not explicitly endanger human health, public drinking water supplies, or the environment, the Permittee shall report the description of noncompliance within 30 days of the discovery. If no eDMR is required within 30 days, the Permittee shall submit a written report (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:</p> <ul style="list-style-type: none"> 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)]
5.13.105	<p>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:</p> <ul style="list-style-type: none"> 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]
5.13.106	<p>Release. [Minn. R. 7001]</p>
5.13.107	<p>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]</p>
5.13.108	<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 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,

	<p>a description of the material released, a warning of the potential public health risk, and the permittee's contact information; and</p> <p>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]</p>
5.13.109	<p>Sampling of a Release. Upon discovery of a release, the Permittee shall:</p> <p>A. Collect representative samples of the release. The Permittee shall sample the release for permitted effluent parameters and other parameters of concern immediately following discovery of the release. The Permittee may contact the MPCA during business hours to discuss the sampling parameters and protocol. In addition, the Permittee shall collect fecal coliform bacteria samples where the Permittee determines that the release contains or may contain sewage. If the Permittee cannot immediately stop the release, the Permittee shall consult with the MPCA regarding additional sampling requirements. The Permittee shall collect samples at least, but not limited to, two times per week for as long as the release continues, or as stipulated elsewhere in this permit;</p> <p>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</p> <p>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]</p>
5.13.110	<p>Bypass. [Minn. R. 7001]</p>
5.13.111	<p>"Essential Maintenance" is a scheduled maintenance event that is required to ensure efficient operation of the facility. [Minn. R. 7001.1020, subp. 13]</p>
5.13.112	<p>"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]</p>
5.13.113	<p>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:</p> <p>A. The proposed date and estimated duration of the bypass;</p> <p>B. The alternatives to bypassing; and</p> <p>C. A proposal for effluent sampling during the bypass. Any bypass wastewater shall enter waters of the state from outfalls specifically authorized by this permit. Therefore, the Permittee shall collect samples at the frequency and location identified in this permit or two times per week for as long as the bypass continues, whichever is more frequent. [Minn. R. 7001.1090, subp. 1(J)]</p>
5.13.114	<p>Any bypass that is not anticipated for a scheduled essential maintenance event is considered unanticipated and is prohibited. This permit prohibits all other bypasses.</p> <p>In the event of an unanticipated bypass, the Permittee shall:</p> <p>A. Take all reasonable steps to immediately end the bypass;</p> <p>B. Notify the Minnesota Department of Public Safety Duty Officer at 800-422-0798 or 651-649-5451 (metro area) immediately upon commencement of the bypass. 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);</p>

	<p>C. Immediately take action as may be reasonably possible to minimize or abate pollution to waters of the state or potential impacts to human health caused thereby. If directed by the MPCA, the Permittee shall consult with other local, state, or federal agencies for implementation of abatement, clean up, or remediation activities; and</p> <p>D. 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]</p>
5.13.115	<p>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.</p> <p>Notice to the public and to any drinking water facility must be made using the most efficient communications system available to the facility owner such as in person, telephone call, radio, social media, webpage, or another expedited form. In addition, signage must be posted at all impacted public use areas within the same jurisdiction or notification must be provided to the entity that has jurisdiction over any impacted public use areas. A notice under this requirement must include the date and time of the discharge, a description of the material released, a warning of the potential public health risk, and the Permittee's contact information. [Minn. Stat. ch. 115.061]</p>
5.13.116	<p>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]</p>
5.13.117	<p>Operation and Maintenance. [Minn. R. 7001]</p>
5.13.118	<p>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)]</p>
5.13.119	<p>In the event of a reduction or loss of effective treatment of wastewater at the facility, the Permittee shall control production or curtail discharges to the extent necessary to maintain compliance with the terms and conditions of this permit. The Permittee shall continue this control or curtailment until they restore facility treatment processes or until the Permittee provides an alternative method of treatment. [Minn. R. 7001.1090, subp. 1(C)]</p>
5.13.120	<p>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]</p>
5.13.121	<p>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)]</p>
5.13.122	<p>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)]</p>
5.13.123	<p>Changes to the Facility or Permit. [Minn. R. 7001]</p>
5.13.124	<p>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</p>

	<p>until the MPCA issues a written permit for the facility or activity.</p> <p>Permittees that propose to make changes to the facility or discharge that requires permit modification shall follow Minn. R. 7001.0190. If the Permittee cannot determine whether the proposed changes require a permit modification, the Permittee shall contact the MPCA prior to any action. The MPCA recommends that Permittees submit the application for permit modification to the MPCA at least 180 days prior to the planned change. [Minn. R. 7001.0030]</p>
5.13.125	<p>This permit does not require plans, specifications, and MPCA approval when maintenance dictates the need for installation of new equipment, provided the equipment is the same design size and has the same design intent. For instance, Permittees can replace a broken pipe, lift station pump, aerator, or blower with the same design-sized equipment without MPCA approval.</p> <p>If this permit does not expressly authorize proposed construction, the MPCA may require a permit modification. If the proposed construction project requires an Environmental Assessment Worksheet under Minn. R. 4410, no construction shall begin until the MPCA issues a negative declaration and the Permittee receives or implements all approvals. [Minn. R. 7001.0030]</p>
5.13.126	<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>
5.13.127	<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 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):</p> <ul style="list-style-type: none"> 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. <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 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]</p>

5.13.128	<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 of this permit pursuant to Minn. R. 7001.0180. [Minn. R. 7001.0170, Minn. R. 7001.0180]</p>
5.13.129	<p>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)]</p>
5.13.130	<p>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)]</p>
5.13.131	<p>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.</p> <p>The MPCA may require a permit modification or reissuance for facility closure that could result in a potential long-term water quality concern, such as the ongoing discharge of wastewater to surface or groundwater.</p> <p>The MPCA may require the Permittee to establish and maintain financial assurance to ensure performance of certain obligations under this permit, including closure, post-closure care, and remedial action at the facility. If the MPCA requires financial assurance, the MPCA shall approve the amount and type of financial assurance, and proposed modifications to previously MPCA-approved financial assurance. [Minn. Stat. ch. 116.07, subd. 4]</p>
5.13.132	<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. [Minn. R. 7001.0040]</p>
5.13.133	<p>If the Permittee does not intend to continue the activities authorized by this permit after the expiration date of this permit, the Permittee shall notify the MPCA in writing at least 180 days before permit expiration. If the Permittee has submitted a timely application for permit reissuance, the Permittee may continue to conduct the activities authorized by this permit, in compliance with the requirements of this permit, until the MPCA takes final action on the application, unless the MPCA determines any of the following:</p> <ul style="list-style-type: none"> 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. <p>[Minn. R. 7001.0040, Minn. R. 7001.0160]</p>

6. Submittal action summary

SD 002	Effluent 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 003	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 004	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 014	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)]
WS 001	Internal Waste Stream	
		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)]
WS 003	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.6.1	The Permittee shall submit a quarterly DMR: Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
MN0001431	Sappi Cloquet LLC	
		Total Facility Requirements (NPDES/SDS)
	6.8.1	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.

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 002 #1 Clearwell Tank Overflow	Chlorine, Total Residual						0.1 daily maximum	milligrams per liter	once per day	Grab	Jan-Dec	
SD 002 #1 Clearwell Tank Overflow	Duration of Discharge		Monitor only. calendar month total	days per month					once per day	Measurement	Jan-Dec	
SD 002 #1 Clearwell Tank Overflow	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. daily maximum	million gallons per day	once per day	Estimate	Jan-Dec	
SD 002 #1 Clearwell Tank Overflow	pH				6.0 instantaneous minimum		9.0 instantaneous maximum	standard units	once per day	Grab	Jan-Dec	
SD 003 Process Water Supply Line Drainage	Duration of Discharge		Monitor only. calendar month total	days per month					once per day	Measurement	Jan-Dec	
SD 003 Process Water Supply Line Drainage	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. daily maximum	million gallons per day	once per day	Estimate	Jan-Dec	
SD 003 Process Water Supply Line Drainage	Oxidants, Total Residual						Monitor only. daily maximum	milligrams per liter	once per month	Grab	Jan-Dec	
SD 003 Process Water Supply Line Drainage	pH				6.0 instantaneous minimum		9.0 instantaneous maximum	standard units	once per day	Grab	Jan-Dec	
SD 004 Drain from the 150" Clarifier	Chlorine, Total Residual						0.1 daily maximum	milligrams per liter	once per day	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations					Monitoring requirements					Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 004 Drain from the 150" Clarifier	Duration of Discharge		Monitor only. calendar month total	days per month					once per day	Measurement	Jan-Dec	
SD 004 Drain from the 150" Clarifier	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. daily maximum	million gallons per day	once per day	Estimate	Jan-Dec	
SD 004 Drain from the 150" Clarifier	pH				6.0 instantaneous minimum		9.0 instantaneous maximum	standard units	once per day	Grab	Jan-Dec	
SD 004 Drain from the 150" Clarifier	Phosphorus, Total (as P)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
SD 004 Drain from the 150" Clarifier	Sulfate, Total (as SO4)						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
SD 014 Lake Superior Water Transfer to St. Louis River	Chlorine, Total Residual						0.038 daily maximum	milligrams per liter	once per day	Grab	Jan-Dec	
SD 014 Lake Superior Water Transfer to St. Louis River	Duration of Discharge		Monitor only. calendar month total	days per month					once per day	Measurement	Jan-Dec	
SD 014 Lake Superior Water Transfer to St. Louis River	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. daily maximum	million gallons per day	once per day	Estimate	Jan-Dec	
WS 001 #050 Cooling Tower to Storm Detention Pond	Duration of Discharge		Monitor only. calendar month total	days per month					once per day	Measurement	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	
WS 001 #050 Cooling Tower to Storm Detention Pond	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. daily maximum	million gallons per day	once per day	Estimate	Jan-Dec	
WS 001 #050 Cooling Tower to Storm Detention Pond	Oxidants, Total Residual						Monitor only. daily maximum	milligrams per liter	once per month	Grab	Jan-Dec	
WS 001 #050 Cooling Tower to Storm Detention Pond	pH				6.0 instantaneous minimum		9.0 instantaneous maximum	standard units	once per day	Grab	Jan-Dec	
WS 001 #050 Cooling Tower to Storm Detention Pond	Phosphorus, Total (as P)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
WS 001 #050 Cooling Tower to Storm Detention Pond	Sulfate, Total (as SO4)						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	Grab	Mar, Jun, Sep, Dec	
WS 001 #050 Cooling Tower to Storm Detention Pond	Zinc, Total (as Zn)					Monitor only. calendar month average		milligrams per liter	once per day	Grab	Jan-Dec	
WS 003 St. Louis River Influent	Sulfate, Total (as SO4)						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	Grab	Jan-Dec	

8. Chemical Additives

Chemical additives are used according to the chemical manufacturer's recommendations. This approval shall not justify any exceedances of permit limits or water quality standards.

Name	Dosage Frequency	Location and Maximum Addition Rate	Discharge Location
Nalco 1503	Intermittent	Filter plant; 20,000 lbs/day	SD 002 & SD 004
Nalco 2	Occasionally	Filter plant; 7 gallons/day	SD 002 & SD 004
Nalco 7766	Continuous	Filter plant; 100,000 lbs/day	SD 002 & SD 004
Stabrex ST-70	Continuous	Cooling tower; 140 gallons/day	WS 001
3D TRASAR 3DT185	Continuous	Cooling tower; 8 gallons/day	WS 001
Nalco 7320	Continuous	Cooling tower; 7 gallons/day	WS 001
Nalco 60620	Continuous	Filter Plant; 1600 lbs/day	SD 002 & SD 004
Nalclear 8170 Pulv	Summer	Filter plant; 400 lbs/day	SD 002 & SD 004
Nalclear 8173 Pulv	Winter	Filter plant; 400 lbs/day	SD 002 & SD 004
Nalco 7384	Continuous	Cooling tower; 2.5 gallons/day	WS 001
Sodium Hypochlorate	Continuous	Filter plant; 800 lbs/day	SD 002 & SD 004
3D TRASAR 3DT120	Continuous	Cooling tower; 50 lbs/day	WS 001