MINNESOTA POLLUTION CONTROL AGENCY

National Pollutant Discharge Elimination System/State Disposal System

MN0056685

Permittee:	Resort Management Corp
Facility name:	Forest Hills Golf & RV Resort Wastewater Treatment Facility
Receiving water:	Unnumbered wetland - Class 2D, 3, 4A, 4B, 5, 6 water; Unnumbered wetland - Class 2D, 3, 4A, 4B, 5, 6 water
Township:	Audubon **County:** Becker
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: [Type e-Signature]

This document has been electronically signed.

for the Minnesota Pollution Control Agency

Paul C. Scheirer
Supervisor
North Regional Unit
Municipal Division

Resources

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

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 Forest Hills Golf & RV Resort Wastewater Treatment Facility (facility) is located at 22931 185th Street, Detroit Lakes, Minnesota 56501, Becker County.

The existing facility has two continuous discharges (SD 001 and SD 002). The North treatment system discharges (SD 001) to a natural pond (class 2B, 3, 4A, 4B, 5 and 6 water) on the Permittee's 18-hole golf course. This South treatment system discharges (SD 002) to a small wetland (Class 2D, 3D, 4C, 5 and 6 water) which is also on the Permittee's 18-hole golf course. This is a Class C facility.

The North treatment system is designed to treat:

- an average annual flow of 0.0052 million gallons per day (mgd)
- a peak flow of 0.0078 mgd

The North treatment system consists of a grease trap, a septic tank, an equalization/dosing tank, two Fixed Activated Sludge Treatment (FAST) units, and an ultraviolet disinfection unit. There are no known bypasses that exist in this system. The facility has one bypass point that is locked and manually controlled.

The South treatment system is designed to treat:

- an average annual flow of 0.015 mgd

The South treatment system consists of two collection storage tanks, four equalization tanks, 14 aerobic treatment units, two settling tanks, and an ultraviolet disinfection unit. There are no bypasses known to exist in this system.

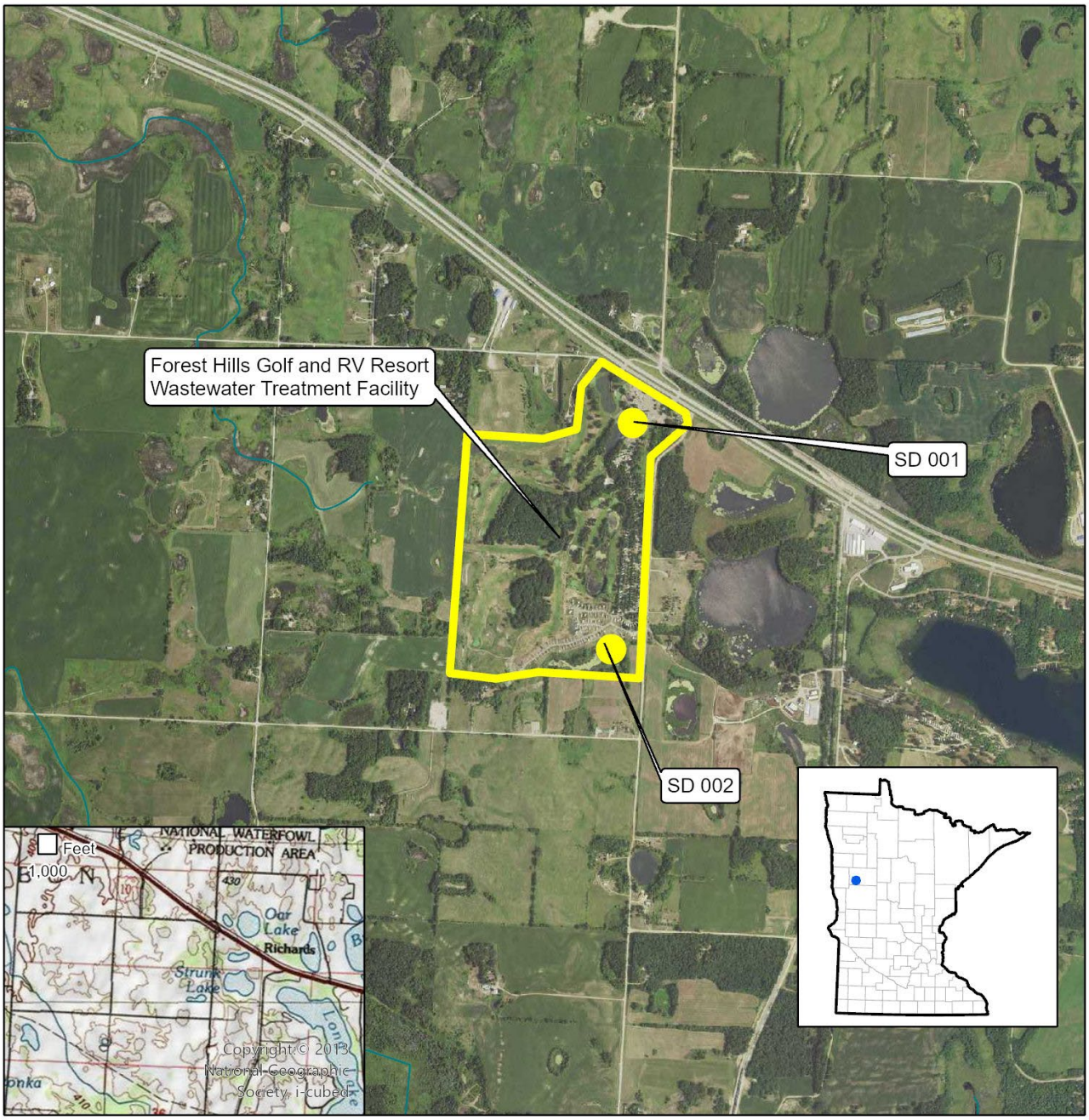
Changes to the facility may result in an increase in pollutant loading to surface waters or other causes of degradation to surface waters. If a change to the facility will result in a net increase in pollutant loading or other causes of degradation that exceed the maximum loading authorized through conditions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

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

Any point source discharger of sewage, industrial, or other wastes for which a 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

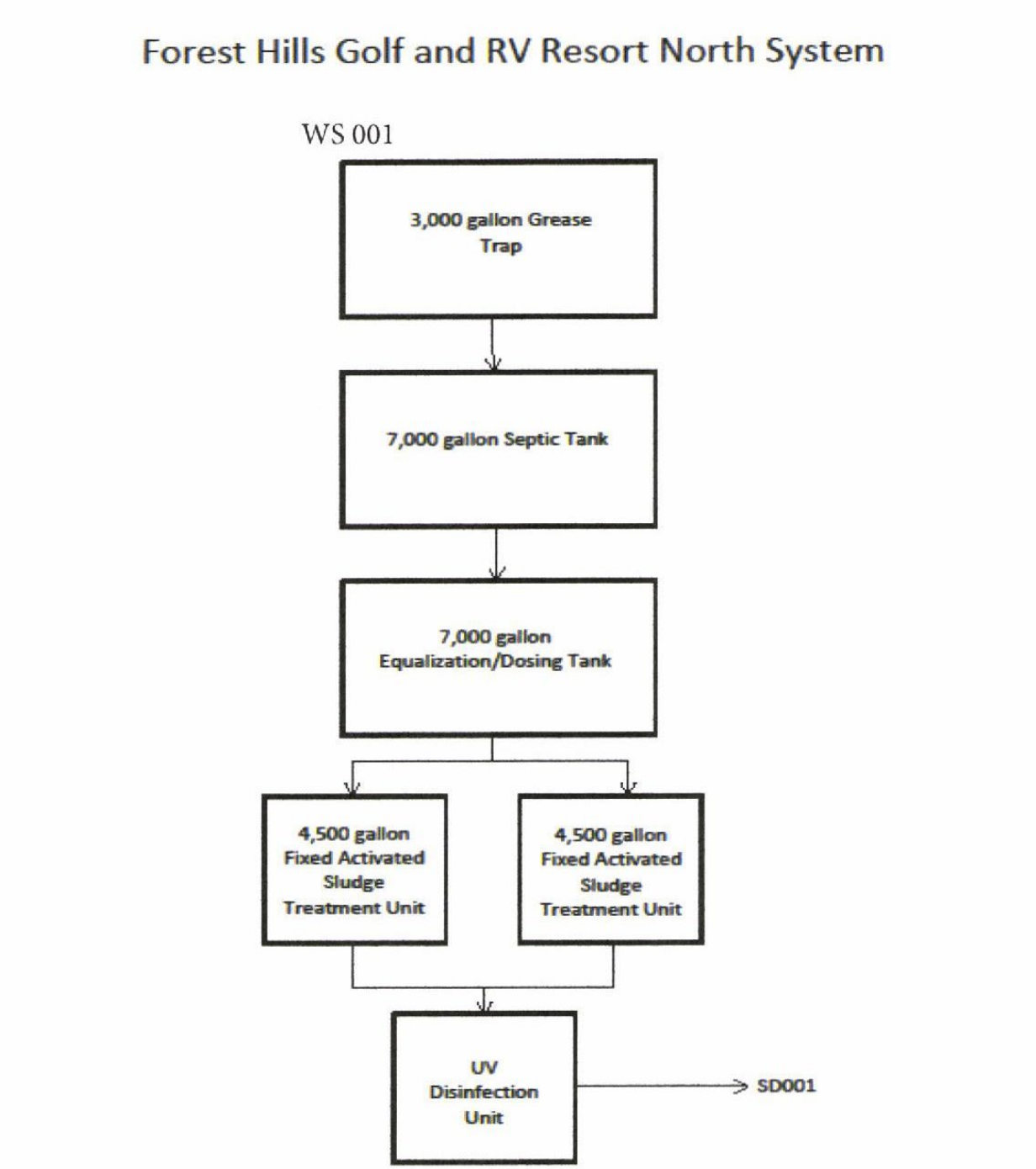
Facility Location Map
MN0056685: Forest Hills Golf & RV Resort Wastewater Treatment Facility
T139N, R42W, Section 25
Audubon Township, Becker County, Minnesota



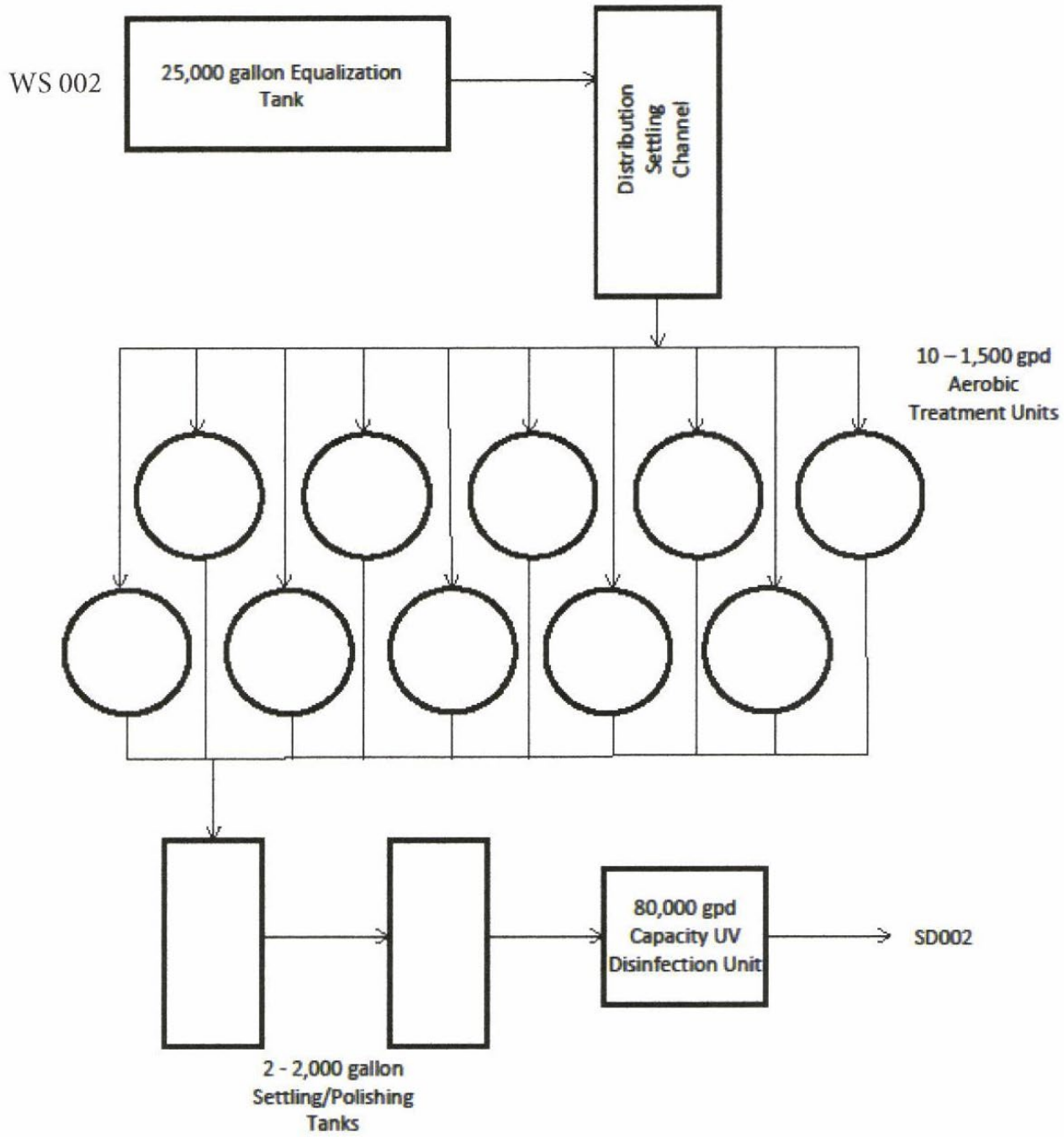
Map produced by: MPCA Staff, 5/6/2024
Scale: 1:24,000

0 0.25 0.5 1 Miles

3. Flow diagram



Forest Hills Golf and RV Resort South System



4. Summary of stations and station locations

Station	Type of station	Local name	PLS location
SD 001	Effluent To Surface Water	Surface Water Discharge (North System)	T139N, R42W, S24, NE Quarter of the SE Quarter
SD 002	Effluent To Surface Water	Surface Water Discharge (South System)	T139N, R42W, S25, SE Quarter of the NE Quarter
WS 001	Influent Waste	Influent Waste Stream (North System)	T139N, R42W, S24, SE Quarter of the NE Quarter
WS 002	Influent Waste	Influent Waste Stream (South System)	T139N, R42W, S25, NE Quarter

5. Permit requirements

SD 001	Effluent To Surface Water	
		Surface Discharge: Class C Minor Facility Effluent Requirements
	5.1.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, subp. 2(B)]
	5.1.2	**Sampling Location**. [Minn. R. 7001.0150, subp. 2(B)]
	5.1.3	Samples for Station SD 001 shall be collected from the outfall of the North Treatment System. [Minn. R. 7001.0150, subp. 2(B)]
		Facility Specific Requirements
	5.2.4	If, at any time, the Fecal Coliform limit is exceeded for the North Treatment System, irrigation to the golf course from the receiving water must be suspended for 14 days. If, at any time, the water level in the receiving water that receives the discharge from the North Treatment System drops to 6 feet, irrigation to the golf course from the receiving water must be suspended until the water level rebounds to at least 8 feet. [Minn. R. 7001]
SD 002	Effluent To Surface Water	
		Surface Discharge: Class C Minor Facility Effluent 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 002 shall be collected from the outfall of the South Treatment System. [Minn. R. 7001.0150, subp. 2(B)]
WS 001	Influent Waste	
		Waste Stream: Class C Facility Influent 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	Influent grab and composite samples for Station WS 001 shall be collected in the sewer system prior to entering the north treatment system. Influent flow measurements are to be reported on the SD 001 eDMR. You do not need to install effluent flow meters. [Minn. R. 7001.0150, subp. 2(B)]
WS 002	Influent Waste	
		Waste Stream: Class C Facility Influent 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	Influent grab and composite samples for Station WS 002 shall be collected in the sewer system prior to entering the south treatment system. Influent flow measurements are to be reported on the SD 002 eDMR. You do not need to install effluent flow meters. [Minn. R. 7001.0150, subp. 2(B)]
MN0056685	Forest Hills Golf & RV Resort WWTP	
		Surface Discharge Station General Requirements
	5.6.1	**Surface Discharge Prohibitions**. [Minn. R. 7001]
	5.6.2	Floating solids or visible foam shall not be discharged in other than trace amounts. [Minn. R. 7001]
	5.6.3	Oil or other substances shall not be discharged in amounts that create a visible color film. [Minn. R. 7001]
	5.6.4	The Permittee shall install and maintain outlet protection measures at the discharge stations to prevent erosion. [Minn. R. 7001]
	5.6.5	**Winter Sampling Conditions**. [Minn. R. 7001]
	5.6.6	The Permittee shall sample flows at the designated monitoring stations including when this requires removing ice to sample the water. If the station is completely frozen throughout a designated sampling month or if unsafe ice conditions exist, the Permittee shall check the "No Discharge/No Flow" box on the eDMR and note the ice conditions in the comments on the eDMR. [Minn. R. 7001]
	5.6.7	**Chlorine Addition Requirements**. [Minn. R. 7001]
	5.6.8	If chlorine is added for any purpose, the Permittee shall monitor the discharge for Total Residual Chlorine (TRC) once per day during chlorine usage. The Permittee shall report the monitoring data on the Sample Values and eDMR in months monitoring is required. If chlorine is added for any purpose outside of the effective period listed in the Limits and Monitoring section of the permit, the data should be submitted as a comment on that month's eDMR. The discharge shall not exceed a 0.038 mg/L TRC limit. [Minn. R. 7001]
	5.6.9	**Sampling Collection and Reporting**. [Minn. R. 7001]
	5.6.10	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 check "No Discharge/No Flow" on the eDMR and shall add a comment to the eDMR detailing why the sample was not collected. [Minn. R. 7001.0150, subp. 2(B)]
	5.6.11	Effluent monitoring for parameters with a frequency of once per quarter and an effective period of Mar, Jun, Sep, Dec can be sampled any time during that calendar quarter. The Permittee must report the monitoring results on the Sample Values in the month they conducted the sampling and on the eDMR at the end of the quarter (e.g. The Permittee shall report the sample for the first calendar quarter of Jan-Mar on the Sample Values in the month the sample is collected and on the March eDMR). [Minn. R. 7001]
	5.6.12	**Nitrogen Limits and Monitoring Requirements**. [Minn. R. 7001]
	5.6.13	"Total Nitrogen" with a sample type of "Calculation" is to be reported as the summation of the total Kjeldahl nitrogen and total nitrite plus nitrate nitrogen values. [Minn. R. 7001]
	5.6.14	**Nitrogen Reduction Strategy Optimization Incentive (Voluntary)**. [Minn. R. 7001]

	5.6.15	A 10 mg/L total nitrogen State Discharge Restriction (SDR) is being proposed for all major municipal wastewater treatment facilities, high concentration minor municipal wastewater treatment facilities, and high concentration industrial dischargers in a MPCA nitrate rulemaking effort. To encourage wastewater treatment facilities to start making achievable nitrogen reductions as soon as possible, the MPCA is proposing in the rulemaking to defer applicability of the SDR limit for one permit cycle for Permittees that have optimized their existing wastewater treatment operations and are able to meet a 15 mg/L total nitrogen limit based on a 12-Month Moving Average for at least 12 months prior to the adoption of a SDR. Note the following: A. The proposed SDR limit is applicable for all major municipal, high concentration minor municipal, and high concentration industrial dischargers. If the Permittee is not currently classified as a major facility but may be prior to SDR adoption, the Permittee may still have the opportunity to participate in this optimization incentive. B. This optimization incentive is dependent on successful rulemaking efforts. If the entire rulemaking or the optimization incentive-portion of the rulemaking are not successful, the SDR limit deferral will not be applicable. C. Once facilities have optimized to reduce their nitrogen concentrations, they must continue operating the facilities in accordance with the optimization efforts. Refer to the accompanying permit documents for additional information regarding the optimization incentive. [Minn. R. 7001]
		Waste Stream Station General Requirements
	5.7.19	**Sampling Collection and Reporting**. [Minn. R. 7001]
	5.7.20	The Permittee shall submit monitoring results in accordance with the limits and monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on Discharge Monitoring Report (DMR) and shall add a Comments attachment to the DMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp 2(B)]
	5.7.21	Influent monitoring for parameters with a frequency of once per quarter and an effective period of Mar, Jun, Sep, Dec can be sampled any time during that calendar quarter. The Permittee must report the monitoring results on the Sample Values in the month they conducted the monitoring and on the eDMR at the end of the quarter. (e.g. The Permittee shall report the sample for the first calendar quarter of Jan-Mar on the Sample Values in the month the sample is collected and on the March eDMR). [Minn. R. 7001]
	5.7.22	**Nitrogen Limits and Monitoring Requirements**. [Minn. R. 7001]
	5.7.23	"Total Nitrogen" with a sample type of "Calculation" is to be reported as the summation of the total Kjeldahl nitrogen and total nitrite plus nitrate nitrogen values. [Minn. R. 7001]
		Compliance Schedule Requirements
	5.8.27	**Total Chloride Water Quality Based Effluent Limit Compliance Schedule**. [Minn. R. 7001]
	5.8.28	**Explanation of Effluent Limits.** During the reasonable potential (RP) analysis, it was determined the Facility has reasonable potential to exceed water quality standards for chloride. When RP is indicated for a particular pollutant, the permit must contain a water quality based effluent limit (WQBEL) for that pollutant. This section includes the steps the Permittee shall follow to reach compliance with the final effluent limits for Chloride. [Minn. R. 7001]

	5.8.29	**Final Effluent Limits.** The Permittee shall meet the final effluent limits for total chloride at SD 001 and SD 002. The final effluent limits for total chloride at SD 001 are 230 mg/L as a calendar month average and 363 mg/L as a daily maximum. The final effluent limits for total chloride at SD 002 are 230 mg/L as a calendar month average and 308 mg/L as a daily maximum. The Permittee shall attain compliance with the final effluent limits as soon as possible but no later than June 1, 2028. The final effluent limits are sufficient to meet the underlying water quality standard. [Minn. R. 7001]
	5.8.31	**Submit a chloride compliance plan.** The Permittee shall develop and submit a chloride compliance plan due 30 days after permit issuance. The chloride compliance plan shall include the following: A. Identification of chloride sources to each treatment system; B. Any rules or guidelines (draft or final) for customers related to chloride source reduction; C. Chloride sampling plan including location where samples are taken and how they are analyzed; and D. Identify any disposal methods, locations and necessary permits for backwash brine disposal. The Permittee shall submit a chloride compliance plan: Due 30 calendar days after Permit Issuance Date. [Minn. R. 7001]
	5.8.32	**Submit Chloride Compliance Progress Report.** The Permittee shall submit a chloride compliance progress report (Report). As appropriate, the Report shall include updates on the following: A. Identification of chloride sources to each treatment system; B. Communication of potential product changes to customers including any rules or guidelines imposed related to chloride source reduction and how they will be enforced; C. Chloride sampling results; D. Implementation of any necessary mechanical improvements on equipment; E. Ongoing wastewater effluent monitoring and evaluation of how the above steps are reducing chloride concentrations in the wastewater; F. Identify and implement any disposal methods, locations and necessary permits for backwash brine disposal; G. Chloride source reduction goals and plan for each season, including how to implement, using the information collected from the above items in the previous months; and H. Evaluate the efficacy of the compliance schedule and determine if the Permittee will be able to meet final limits by June 1, 2028. If the Permittee cannot meet the final limits they shall apply for a water quality variance and submit a permit modification. [Minn. R. 7001]
	5.8.33	If the chloride compliance progress reports determine that the Permittee cannot attain compliance with the final effluent limits for chloride the Permittee shall apply for a chloride variance as soon as possible but no later than December 4, 2027 (180 days prior to June 1, 2028). The chloride variance request form shall include an application for permit modification and all necessary documents associated with both. [Minn. R. 7001]
	5.8.34	The Permittee shall submit a Chloride Compliance Progress Report: Due 09/30/2026. [Minn. R. 7001]
	5.8.36	The Permittee shall submit a Chloride Compliance Progress Report: Due 09/30/2027. [Minn. R. 7001]
	5.8.37	The Permittee shall attain compliance with final effluent limits as soon as possible or no later than 6/1/2028. The Permittee shall attain compliance with final effluent limits: Due 06/01/2028. [Minn. R. 7001], Phases: Phase 2
		Nitrogen Management Plan

	5.9.41	This permit requires the development of a Nitrogen Management Plan (NMP). Information gained through the NMP process can be used to reduce influent and effluent nitrogen concentrations and loads. Specific nitrogen monitoring requirements are detailed in the limits and monitoring section of this permit. The Permittee shall consider selecting activities based on the potential of those activities to reduce influent and effluent nitrogen loadings as part of its nitrogen management strategy. [Minn. R. 7001]
	5.9.42	The Permittee shall submit a nitrogen management plan: Due by 18 months after permit issuance. [Minn. R. 7001]
	5.9.43	The intent of the NMP is to establish source reduction and treatment facility optimization activities, operational improvements, and consider wastewater treatment facility modifications that will reduce influent and/or effluent nitrogen loadings. [Minn. R. 7001]
	5.9.44	The Permittee shall implement the NMP immediately upon submittal to the MPCA. [Minn. R. 7001]
	5.9.45	The NMP shall include, but is not limited to, the following: A. Construct a plan to implement nitrogen management and reduction measures throughout the permit term, including any period following permit expiration but prior to permit reissuance or permit termination. i. Summarize nitrogen influent and effluent concentrations, digester supernatant, and other high strength return flows or waste streams (i.e., septage), if applicable, and monitoring data using the most recent five years of monitoring data, if available; ii. Identify existing and potential sources of excess nitrogen concentrations and/or loading to the facility. As appropriate for the wastewater treatment facility, consider residential, institutional, municipal, and commercial sources (such as potential for significant nitrogen contributions). Consideration shall also be given to nitrogen sources recirculated within the wastewater treatment facility such as biosolids supernatant return flows; iii. Evaluate past and present wastewater treatment facility operations to determine those operating procedures that maximize nitrogen removal; and iv. Summarize any nitrogen management activities implemented during the last five years. B. Construct a plan to implement nitrogen management and reduction measures during the next five years. i. Wastewater treatment facility influent reduction measures. a. Evaluate and determine which sources have the opportunity for nitrogen reduction (e.g., industrial, commercial, institutional, municipal, and others); b. Determine whether known sources of elevated nitrogen concentrations or loadings have adopted or can adopt nitrogen minimization and water conservation plans; and c. Evaluate new or existing local limits on influent sources of excessive nitrogen, including an evaluation of whether any existing local limits are necessary. ii. Wastewater treatment facility effluent reduction measures. a. Develop and implement a process control monitoring plan; b. Begin or continue optimization of existing treatment processes; and c. Assess side stream loading and reductions options. C. If applicable, nitrogen effluent concentration and loading progress. i. Summarize all progress that has been made through implementation of the NMP; and ii. Evaluate influent and effluent nitrogen data since permit issuance and a discussion on removal efficiencies. [Minn. R. 7001]
	5.9.46	NMP guidance can be found on the MPCA's website at https://www.pca.state.mn.us. [Minn. R. 7001]
	5.9.47	If an update to the initially submitted NMP exists, the Permittee shall submit the updated NMP with the application for permit reissuance. [Minn. R. 7001]
		Septic Tanks
	5.10.51	**Septic Tank Maintenance**. [Minn. R. 7001]

	5.10.52	All tanks (primary, secondary, holding, dosing, individual, etc.) associated with this system shall be operated, pumped, and maintained to ensure proper system operation and solids management. After every pumping event, all tanks shall be inspected for potential failure (such as cracks, roots, damaged baffles, etc.). Identified problems shall be corrected immediately. [Minn. R. 7001.0150, subp. 3(F)]
	5.10.53	The Permittee shall keep records of all pumping, inspections, and maintenance operations for a minimum of three years. [Minn. R. 7001]
	5.10.54	The owner of a septic tank(s) or tanks or the owner's agent shall arrange for the removal and proper disposal of septage from all tanks or compartments in which the top of the sludge layer is less than 12 inches below the bottom of the outlet baffle or whenever the bottom of the scum layer is less than three inches above the outlet baffle. All accumulations of sludge, scum, and liquids shall be removed through the maintenance hole. [Minn. R. 7001.0150, subp. 3(F)]
	5.10.55	The Permittee shall properly clean the effluent screens as often as needed to maintain an adequate flow rate from the septic tank(s). The Permittee shall keep a record on site that indicates the dates that the effluent screens are inspected, removed, and cleaned. [Minn. R. 7001.0150, subp. 3(F)]
	5.10.56	Septic tank(s) that are not specifically covered under the Limits and Monitoring section of this permit shall be inspected at least every three years and pumped as necessary unless more restrictive local requirements have been established. [Minn. R. 7001.0150, subp. 3(F)]
	5.10.57	Sewage treatment system additives must not be used as a means to reduce the frequency of proper maintenance and removal of septage from the septic tank. [Minn. R. 7001.0150, subp. 3(F)]
	5.10.58	Sewage treatment system additives that contain hazardous materials shall not be used in septic tanks. Discharge of animal wastes, industrial wastes, petroleum products, and toxic pollutants and other hazardous wastes or substances is prohibited. [Minn. R. 7001.0150, subp. 3(F)]
		Mechanical System
	5.11.62	**Bypass Structures**. [Minn. R. 7001]
	5.11.63	All structures capable of bypassing the treatment system shall be manually controlled and kept locked at all times. [Minn. R. 7001.0030]
	5.11.64	**Sanitary Sewer Extension Permit**. [Minn. R. 7001]
	5.11.65	The Permittee may be required to obtain a sanitary sewer extension permit from the MPCA for any addition, extension, or replacement to the sanitary sewer. If a sanitary sewer extension permit is required, construction may not begin until plans and specifications have been submitted and a written permit is granted except as allowed in Minn. Stat. 115.07, subd. 3b. [Minn. R. 7001.0020]
	5.11.66	**Operator Certification**. [Minn. R. 7001]
	5.11.67	The Permittee shall provide a Class C state certified operator who maintains direct responsibility of the operation, maintenance, and testing functions required to ensure compliance with the terms and conditions of this permit. [Minn. R. 9400]
	5.11.68	The Permittee shall provide the appropriate number of operators with a Type IV certification to be responsible for the land application of biosolids or semisolids from commercial or industrial operations. [Minn. R. 7048]
	5.11.69	If the Permittee chooses to meet operator certification requirements through a contractual agreement, the Permittee shall provide a copy of the contract to the MPCA, WQ Submittals Center. The contract shall include: A. The certified operator's name, certificate number, company name (if appropriate), and the period covered by the contract and provisions for renewal; B. The duties and responsibilities of the certified operator; C. The duties and responsibilities of the Permittee; and D. Provisions for notifying the MPCA 30 days in advance of termination if the contract is terminated prior to the expiration date. [Minn. R. 9400]
	5.11.70	The Permittee shall notify the MPCA within 30 days of a change in operator certification or contract status. [Minn. R. 9400]

		Biosolids: Land Application
	5.12.74	**Authorization**. [Minn. R. 7041]
	5.12.75	This permit authorizes the Permittee to store and land apply domestic wastewater treatment biosolids in accordance with the provisions in this section and Minn. R. ch. 7041. [Minn. R. 7041]
	5.12.76	Permittees who prepare bulk biosolids shall obtain approval of the sites on which bulk biosolids are applied before they are applied unless they are Exceptional Quality Biosolids. Site application procedures are set forth in Minn. R. 7041.0800. [Minn. R. 7041.0600, Minn. R. 7041.0800]
	5.12.77	**Compliance Responsibility**. [Minn. R. 7041]
	5.12.78	The Permittee is responsible for ensuring that the applicable requirements in this section and Minn. R. ch. 7041 are met when biosolids are prepared, distributed, and/or applied to the land. [Minn. R. 7041]
	5.12.79	**Notification Requirements**. [Minn. R. 7041]
	5.12.80	The Permittee shall provide information needed to comply with the biosolids requirements of Minn. R. ch. 7041 to others who prepare or use the biosolids. [Minn. R. 7041]
	5.12.81	**Pollutant Limits**. [Minn. R. 7041]
	5.12.82	Biosolids which are applied to the land shall not exceed the ceiling concentrations in Table 1 and shall not be applied so that the cumulative amounts of pollutant in Table 2 are exceeded. Table 1 Ceiling Concentrations (dry weight basis) Pollutant in units mg/kg Arsenic 75 Cadmium 85 Copper 4300 Lead 840 Mercury 57 Molybdenum 75 Nickel 420 Selenium 100 Zinc 7500 Table 2 Cumulative Loading Limits Pollutant in units lbs/acre Arsenic 37 Cadmium 35 Copper 1339 Lead 268 Mercury 15 Molybdenum* Nickel 375 Selenium 89 Zinc 2500 *The cumulative limit for molybdenum has not been established at the time of permit issuance. [Minn. R. 7041.1100]
	5.12.83	**Pathogen and Vector Attraction Reduction**. [Minn. R. 7041]
	5.12.84	Biosolids shall be processed, treated, or be incorporated or injected into the soil to meet one of the vector attraction reduction requirements in Minn. R. 7041.1400. [Minn. R. 7041.1400]

	5.12.85	Biosolids shall be processed or treated by one of the alternatives in Minn. R. 7041.1300 to meet the Class A or Class B standards for the reduction of pathogens. When Class B biosolids are applied to the land, the site restrictions in Minn. R. 7041.1300 shall also be met. [Minn. R. 7041.1300]
	5.12.86	The minimum duration between application and harvest, grazing, or public access to areas where Class B biosolids have been applied to the land is as follows: A. 14 months for food crops whose harvested parts may touch the soil/biosolids mixture (such as melons, squash, tomatoes, etc.), when biosolids are surface applied, incorporated, or injected; B. 20 months or 38 months depending on the application method for food crops whose harvested parts grow in the soil (such as potatoes, carrots, onions, etc). The 20-month time period is required when biosolids are surface applied or surface applied and incorporated after they have been on the soil surface for at least four months. The 38-month time period is required when the biosolids are injected or surface applied and incorporated within four months of application; C. 30 days for feed crops, other food crops (such as field corn, sweet corn, etc.), hay, or fiber crops when biosolids are surface applied, incorporated, or injected; D. 30 days for grazing of animals when biosolids are surface applied, incorporated, or injected; and E. One year where there is a high potential for public contact with the site (such as a reclamation site located in populated areas, a construction site located in a city, turf farms, plant nurseries, etc.) and 30 days where there is low potential for public contact (such as agricultural land, forest, a reclamation site located in an unpopulated area, etc.) when biosolids are surface applied, incorporated, or injected. [Minn. R. 7041]
	5.12.87	**Management Practices**. [Minn. R. 7041]
	5.12.88	The management practices for the land application of biosolids are described in detail in Minn. R. 7041.1200 and shall be followed unless specified otherwise in a site approval letter or a permit issued by the MPCA. [Minn. R. 7041]
	5.12.89	Overall management requirements: A. Biosolids shall not be applied to the land if it is likely to adversely affect a threatened or endangered species listed under Section 4 of the Endangered Species Act or its designated critical habitat; B. Biosolids shall not be applied to flooded, frozen, or snow covered ground so that the biosolids enter wetlands or other waters of the state; C. Biosolids shall be applied at an agronomic rate unless specified otherwise by the MPCA in a permit; and D. Biosolids shall not be applied within 33 feet of a wetland or waters of the state unless specified otherwise by the MPCA in a permit. [Minn. R. 7041]
	5.12.90	**Monitoring Requirements**. [Minn. R. 7041]
	5.12.91	Representative samples of biosolids applied to the land shall be analyzed by methods specified in Minn. R. 7041.3200 for the following parameters: arsenic, cadmium, copper, lead, mercury, molybdenum, nickel, selenium, zinc, Kjeldahl nitrogen, ammonia nitrogen, total solids, volatile solids, phosphorus, potassium, and pH. [Minn. R. 7041.3200]

	5.12.92	At a minimum, biosolids shall be monitored at the frequencies specified in Table 3 for the parameters listed above, and any pathogen or vector attraction reduction requirements in Minn. R. 7041.1300 and 7041.1400 if used to determine compliance with those parts. Table 3 Minimum Sampling Frequencies Biosolids Applied* (metric tons/365-day period) | Biosolids Applied* (tons/365-day period) | Frequency (times/365-day period) >0 but <290 | >0 but <320 | 1 >=290 but <1,500 | >=320 but <1,650 | 4 >=1,500 but <15,000 | >=1,650 but <16,500 | 6 >=15,000 | >=16,500 | 12 *Either the amount of bulk biosolids applied to the land or the amount of biosolids received by a person who prepares biosolids that are sold or given away in a bag or other container for application to the land (dry weight basis). [Minn. R. 7041.1300]
	5.12.93	Representative samples of biosolids that are transferred to storage units and are stored for more than two years shall be analyzed by methods specified in Minn. R. 7041.3200 for each cropping year they are stored for the following parameters: arsenic, cadmium, copper, lead, molybdenum, nickel, selenium, and zinc. Mercury is specifically NOT included in the stored biosolids analysis because of the short holding time (28 days) required between sampling and analysis. [Minn. R. 7041.1300, Minn. R. 7041.3200]
	5.12.94	Increased sampling frequencies are specified for the parameters listed in Table 4. Sampling at a frequency at twice the minimum frequencies in Table 3 is required if concentrations listed in Table 4 are exceeded (based on the average of all analyses made during the previous cropping year). Table 4 Increased Frequency of Sampling Pollutant in units mg/kg (dry weight basis) Arsenic 38 Cadmium 43 Copper 2150 Lead 420 Mercury 28 Molybdenum 38 Nickel 210 Selenium 50 Zinc 3750. [Minn. R. 7041]
	5.12.95	**Records**. [Minn. R. 7041]
	5.12.96	The Permittee shall keep records of the information necessary to show compliance with pollutant concentrations and loadings, pathogen reduction requirements, vector attraction reduction requirements, and management practices as specified in Minn. R. 7041.1600, as applicable to the quality of biosolids produced. [Minn. R. 7041.1600]
	5.12.97	**Reporting Requirements**. [Minn. R. 7041]
	5.12.98	The Permittee shall submit a biosolids annual report: Due annually, by the 31st of December. [Minn. R. 7041.1700]
	5.12.99	The Permittee shall submit the Biosolids Annual Report found on the MPCA's website at https://www.pca.state.mn.us/business-with-us/wastewater-operator-resources or shall provide equivalent information in another MPCA approved format. The report shall include the requirements in Minn. R. 7041.1700. [Minn. R. 7041.1700]

	5.12.100	The Biosolids Annual Report shall be submitted by December 31 of each year for biosolids storage and/or transfer activities occurring during the cropping year previous to December 31. Cropping year means a year beginning on September 1 of the year prior to the growing season and ending August 31 the year the crop is harvested. For example, the 2019 cropping year began September 1, 2018 and ended August 31, 2019. [Minn. R. 7041]
	5.12.101	The Biosolids Annual Report shall indicate whether or not biosolids were transferred and/or stored. If biosolids were transferred, the report shall describe: A. How much was transferred; B. Where it was transferred to; C. The name of the facility that accepted the transfer; and D. The contact person at that facility. [Minn. R. 7041]
	5.12.102	For biosolids that are stored for more than two years, the Biosolids Annual Report shall also include the analytical data from the representative sample of the biosolids generated during the cropping year. [Minn. R. 7041]
	5.12.103	The Permittee shall submit the Biosolids Annual Report to the MPCA, WQ Submittals Center. [Minn. R. 7041]
	5.12.104	The Permittee shall notify the MPCA in writing when 90 percent or more of any of the cumulative pollutant loading rates listed for any land application sites has been reached for a site. [Minn. R. 7041]
		Total Facility Requirements (NPDES/SDS)
	5.13.105	**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]
	5.13.106	**Incorporation by Reference.** This permit incorporates the following applicable federal and state laws applicable to the Permittee and enforceable parts of this permit: 40 CFR pts. 122.41, 122.42, 136, 403 and 503; Minn. R. chs. 7001, 7041, 7045, 7050, 7052, 7053, 7060, and 7080; and Minn. Stat. chs. 115 and 116. [Minn. R. 7001]
	5.13.107	**Permittee Responsibility.** The Permittee shall perform the actions or conduct the activity authorized by this permit in compliance with the conditions of the permit and, if required, in accordance with the plans and specifications approved by the MPCA. [Minn. R. 7001.0150, subp. 3(E)]
	5.13.108	**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)]
	5.13.109	**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]
	5.13.110	**Property Rights.** This permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, subp. 3(C)]
	5.13.111	**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)]

	5.13.112	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)]
	5.13.113	**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)]
	5.13.114	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)]
	5.13.115	**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]
	5.13.116	**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]
	5.13.117	**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)]
	5.13.118	**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)]
	5.13.119	**Sampling**. [Minn. R. 7001]
	5.13.120	**Representative Sampling.** The Permittee shall conduct samples and measurements required by this permit as specified in this permit and shall be representative of the discharge or monitored activity. [Minn. R. 7001.0150, subp. 2(B)]
	5.13.121	**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)]
	5.13.122	**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. 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]
	5.13.123	**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]

	5.13.124	**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)]
	5.13.125	**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)]
	5.13.126	**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)]
	5.13.127	**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)]
	5.13.128	**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)]

	5.13.129	**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]
	5.13.130	**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)]
	5.13.131	**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)]
	5.13.132	**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]
	5.13.133	**Noncompliance and Enforcement**. [Minn. R. 7001]
	5.13.134	**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)]
	5.13.135	**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]
	5.13.136	**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)]

	5.13.137	**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)]
	5.13.138	**Upset Defense.** In the event of temporary noncompliance with applicable effluent limitation(s) resulting from an upset at the Permittee's facility due to factors beyond the control of the Permittee, the Permittee has an affirmative defense to an enforcement action brought by the MPCA as a result of the noncompliance if the Permittee demonstrates by a preponderance of competent evidence: 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]
	5.13.139	**Release**. [Minn. R. 7001]
	5.13.140	**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]

	5.13.141	**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]
	5.13.142	**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]
	5.13.143	**Bypass**. [Minn. R. 7001]
	5.13.144	"Essential Maintenance" is a scheduled maintenance event that is required to ensure efficient operation of the facility. [Minn. R. 7001.1020, subp. 13]
	5.13.145	"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]

	5.13.146	**Anticipated Bypass.** The Permittee may allow any bypass to occur that does not cause effluent limitation exceedances, but only if the bypass is for essential maintenance to assure efficient operation of the facility. The Permittee shall submit prior notice to the MPCA at least ten days before the date of the bypass, if possible. The notice of the need for an anticipated bypass shall include the following information: 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. [40 CFR 122.41(m)(2 & 3), Minn. R. 7001.1090, subp. 1(J)]
	5.13.147	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]
	5.13.148	**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]
	5.13.149	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]
	5.13.150	**Operation and Maintenance**. [Minn. R. 7001]

	5.13.151	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)]
	5.13.152	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)]
	5.13.153	**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]
	5.13.154	**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)]
	5.13.155	**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)]
	5.13.156	**Changes to the Facility or Permit**. [Minn. R. 7001]
	5.13.157	**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]
	5.13.158	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]
	5.13.159	**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)]

	5.13.160	**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]
	5.13.161	**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]
	5.13.162	**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(I)(2)(i)]
	5.13.163	**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)]

	5.13.164	**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]
	5.13.165	**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]
	5.13.166	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	**Effluent To Surface Water**	
		Surface Discharge: Class C Minor Facility Effluent Requirements
	6.1.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, subp. 2(B)]
SD 002	**Effluent To Surface Water**	
		Surface Discharge: Class C Minor Facility Effluent 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)]
WS 001	**Influent Waste**	
		Waste Stream: Class C Facility Influent 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)]
WS 002	**Influent Waste**	
		Waste Stream: Class C Facility Influent 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)]
MN0056685	**Forest Hills Golf & RV Resort WWTP**	
		Compliance Schedule Requirements
	6.5.1	**Submit a chloride compliance plan.** The Permittee shall develop and submit a chloride compliance plan due 30 days after permit issuance. The chloride compliance plan shall include the following: A. Identification of chloride sources to each treatment system; B. Any rules or guidelines (draft or final) for customers related to chloride source reduction; C. Chloride sampling plan including location where samples are taken and how they are analyzed; and D. Identify any disposal methods, locations and necessary permits for backwash brine disposal. The Permittee shall submit a chloride compliance plan: Due 30 calendar days after Permit Issuance Date. [Minn. R. 7001]
	6.5.2	The Permittee shall submit a Chloride Compliance Progress Report: Due 09/30/2026. [Minn. R. 7001]
	6.5.3	The Permittee shall submit a Chloride Compliance Progress Report: Due 09/30/2027. [Minn. R. 7001]

	6.5.4	The Permittee shall attain compliance with final effluent limits as soon as possible or no later than 6/1/2028. The Permittee shall attain compliance with final effluent limits: Due 06/01/2028. [Minn. R. 7001], Phases: Phase 2
		Nitrogen Management Plan
	6.6.5	The Permittee shall submit a nitrogen management plan: Due by 18 months after permit issuance. [Minn. R. 7001]
		Biosolids: Land Application
	6.7.6	The Permittee shall submit a biosolids annual report: Due annually, by the 31st of December. [Minn. R. 7041.1700]
		Total Facility Requirements (NPDES/SDS)
	6.8.7	**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 Surface Water Discharge (North System)	BOD, Carbonaceous 05 Day (20 Deg C)	0.49 calendar month average	0.74 maximum calendar week average	kilograms per day		25 calendar month average	40 maximum calendar week average	milligrams per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Surface Water Discharge (North System)	BOD, Carbonaceous 05 Day (20 Deg C) Percent Removal				85 minimum calendar month average			percent	once per month	Calculation	Jan-Dec	
SD 001 Surface Water Discharge (North System) Phase 1	Chloride, Total					Monitor only. calendar month average	Monitor only. daily maximum	milligrams per liter	twice per month	24-Hour Flow Composite	Jan, Mar, May, Jul, Sep, Nov	
SD 001 Surface Water Discharge (North System) Phase 2	Chloride, Total					230 calendar month average	363 daily maximum	milligrams per liter	twice per month	24-Hour Flow Composite	Jan, Mar, May, Jul, Sep, Nov	
SD 001 Surface Water Discharge (North System)	Fecal Coliform, MPN or Membrane Filter 44.5C					200 calendar month geometric mean		organisms per 100 milliliter	twice per month	Grab	Apr-Oct	
SD 001 Surface Water Discharge (North System)	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 Surface Water Discharge (North System)	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Mar, Sep	

		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 Surface Water Discharge (North System)	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Mar, Sep	
SD 001 Surface Water Discharge (North System)	Nitrogen, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Calculation	Mar, Sep	
SD 001 Surface Water Discharge (North System)	Oxygen, Dissolved				Monitor only. calendar month minimum			milligrams per liter	once per day	Grab	Jan-Dec	
SD 001 Surface Water Discharge (North System)	pH				6.0 calendar month minimum		9.0 calendar month maximum	standard units	twice per month	Grab	Jan-Dec	
SD 001 Surface Water Discharge (North System)	Phosphorus, Total (as P)	Monitor only. calendar month average		kilograms per day		Monitor only. calendar month average		milligrams per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Surface Water Discharge (North System)	Solids, Total Suspended (TSS)	0.59 calendar month average	0.88 maximum calendar week average	kilograms per day		30 calendar month average	45 maximum calendar week average	milligrams per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 001 Surface Water Discharge (North System)	Solids, Total Suspended (TSS) Percent Removal				85 minimum calendar month average			percent	once per month	Calculation	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 001 Surface Water Discharge (North System)	Sulfate, Total (as SO4)						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
SD 002 Surface Water Discharge (South System)	BOD, Carbonaceous 05 Day (20 Deg C)	1.42 calendar month average	2.13 maximum calendar week average	kilograms per day		25 calendar month average	40 maximum calendar week average	milligrams per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 002 Surface Water Discharge (South System)	BOD, Carbonaceous 05 Day (20 Deg C) Percent Removal				85 minimum calendar month average			percent	once per month	Calculation	Jan-Dec	
SD 002 Surface Water Discharge (South System) Phase 1	Chloride, Total					Monitor only. calendar month average	Monitor only. daily maximum	milligrams per liter	twice per month	24-Hour Flow Composite	Jan, Mar, May, Jul, Sep, Nov	
SD 002 Surface Water Discharge (South System) Phase 2	Chloride, Total					230 calendar month average	308 daily maximum	milligrams per liter	twice per month	24-Hour Flow Composite	Jan, Mar, May, Jul, Sep, Nov	
SD 002 Surface Water Discharge (South System)	Fecal Coliform, MPN or Membrane Filter 44.5C					200 calendar month geometric mean		organisms per 100 milliliter	twice per month	Grab	Apr-Oct	
SD 002 Surface Water Discharge (South System)	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 002 Surface Water Discharge (South System)	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Mar, Sep	
SD 002 Surface Water Discharge (South System)	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Mar, Sep	
SD 002 Surface Water Discharge (South System)	Nitrogen, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Calculation	Mar, Sep	
SD 002 Surface Water Discharge (South System)	Oxygen, Dissolved				Monitor only. calendar month minimum			milligrams per liter	once per day	Grab	Jan-Dec	
SD 002 Surface Water Discharge (South System)	pH				6.0 calendar month minimum		9.0 calendar month maximum	standard units	twice per month	Grab	Jan-Dec	
SD 002 Surface Water Discharge (South System)	Phosphorus, Total (as P)	Monitor only. calendar month average		kilograms per day		Monitor only. calendar month average		milligrams per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
SD 002 Surface Water Discharge (South System)	Solids, Total Suspended (TSS)	1.70 calendar month average	2.55 maximum calendar week average	kilograms per day		30 calendar month average	45 maximum calendar week average	milligrams per liter	twice per month	24-Hour Flow Composite	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 Surface Water Discharge (South System)	Solids, Total Suspended (TSS) Percent Removal				85 minimum calendar month average			percent	once per month	Calculation	Jan-Dec	
SD 002 Surface Water Discharge (South System)	Sulfate, Total (as SO4)						Monitor only. calendar quarter maximum	milligrams per liter	once per quarter	24-Hour Flow Composite	Mar, Jun, Sep, Dec	
WS 001 Influent Waste Stream (North System)	BOD, Carbonaceous 05 Day (20 Deg C)					Monitor only. calendar month average	Monitor only. calendar month maximum	milligrams per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
WS 001 Influent Waste Stream (North System)	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Mar, Sep	
WS 001 Influent Waste Stream (North System)	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Mar, Sep	
WS 001 Influent Waste Stream (North System)	Nitrogen, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Calculation	Mar, Sep	
WS 001 Influent Waste Stream (North System)	pH				Monitor only. calendar month minimum		Monitor only. calendar month maximum	standard units	twice 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**
WS 001 Influent Waste Stream (North System)	Phosphorus, Total (as P)					Monitor only. calendar month average		milligrams per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
WS 001 Influent Waste Stream (North System)	Precipitation		Monitor only. calendar month total	inches					once per day	Measurement	Jan-Dec	
WS 001 Influent Waste Stream (North System)	Solids, Total Suspended (TSS)					Monitor only. calendar month average	Monitor only. calendar month maximum	milligrams per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
WS 002 Influent Waste Stream (South System)	BOD, Carbonaceous 05 Day (20 Deg C)					Monitor only. calendar month average	Monitor only. calendar month maximum	milligrams per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
WS 002 Influent Waste Stream (South System)	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Mar, Sep	
WS 002 Influent Waste Stream (South System)	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per month	24-Hour Flow Composite	Mar, Sep	
WS 002 Influent Waste Stream (South System)	Nitrogen, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Calculation	Mar, Sep	

		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**
WS 002 Influent Waste Stream (South System)	pH				Monitor only. calendar month minimum		Monitor only. calendar month maximum	standard units	twice per month	Grab	Jan-Dec	
WS 002 Influent Waste Stream (South System)	Phosphorus, Total (as P)					Monitor only. calendar month average		milligrams per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
WS 002 Influent Waste Stream (South System)	Precipitation		Monitor only. calendar month total	inches					once per day	Measurement	Jan-Dec	
WS 002 Influent Waste Stream (South System)	Solids, Total Suspended (TSS)					Monitor only. calendar month average	Monitor only. calendar month maximum	milligrams per liter	twice per month	24-Hour Flow Composite	Jan-Dec	