

State Disposal System

MN0064556

Permittee: Renville County
Facility name: Lake Allie Environmental Subordinate Service District Wastewater Treatment Facility
Township: Boon Lake **County:** Renville
Issuance date: To be determined (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 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 Minnesota statutes and rules.

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.

Paul Kimman
Supervisor
Southeast/Southwest Regional Unit
Municipal Division

for the Minnesota Pollution Control Agency

Submit eDMRs

Submit via the MPCA e-Services at
https://rsp.pca.state.mn.us/TEMPO_RSP/Orchestrate.do?initiate=true

Submit WQ reports to:

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

Or, by mail:

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

Questions on this permit?

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

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

Wastewater Permit Program general questions, contact:
MPCA, 651-282-6143 or 800-657-3938.

Table of Contents

	Page
1. Permitted facility description.....	3
2. Location map of permitted facility.....	4
4. Flow diagram – existing facility.....	5
5. Flow diagram – proposed facility.....	6
7. Summary of stations and station locations.....	7
8. Permit requirements.....	8
9. Submittal action summary.....	28
10. Limits and monitoring.....	29

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1. Permitted facility description

The Renville County Lake Allie Environmental Subordinate Service District (ESSD) Wastewater Treatment Facility (Facility) is, and will continue to be, located at the NW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 34, Township 116 North, Range 31 West, Buffalo Lake, Renville County, Minnesota. This is a Class C facility.

The Lake Allie ESSD has submitted application materials that indicate the facility will be modified as part of an infrastructure improvements project. The current facility and proposed facility are described below.

Existing Facility

The application and plans indicate that the existing Facility consists of:

- Collection system - individual grinder pumps and pressurized sewer (to remain)
- Preliminary Treatment – septic tanks (2 x 8,000 gallons) (to remain)
- Influent flow meter (to remain)
- Secondary Treatment – 3,500-square-foot vertical flow-lined wetland (to be removed)
- Secondary Treatment – attached growth filter tank (8,000 gallons) (to be repurposed)
- Secondary Treatment – recirculation pump tank (8,000 gallons) (to be repurposed)
- Disinfection – sodium hypochlorite (to be discontinued, tank to be repurposed)
- Wastewater Storage pond (to remain)

Proposed Facility

Once the project is completed, the proposed Facility will consist of the following major components:

- Collection system - individual grinder pumps and pressurized sewer (included in current facility)
- Preliminary Treatment – septic tanks (2 x 12,000 gallons)
- Preliminary Treatment – septic tanks (2 x 8,000 gallons) (included in current facility)
- Preliminary Treatment – septic tank (1 x 8,000 gallons) (repurposed filter tank)
- Influent flow meter (included in current facility)
- Secondary/Tertiary Treatment – aerated membrane bioreactor tanks (two units, each rated for 9,000 gallons per day) (to be constructed)
- Equalization tank (2 x 8,000 gallons) (repurposed disinfection and recirculation pump tanks)
- Disinfection – UV (to be constructed)
- Wastewater Storage pond (included in current facility)

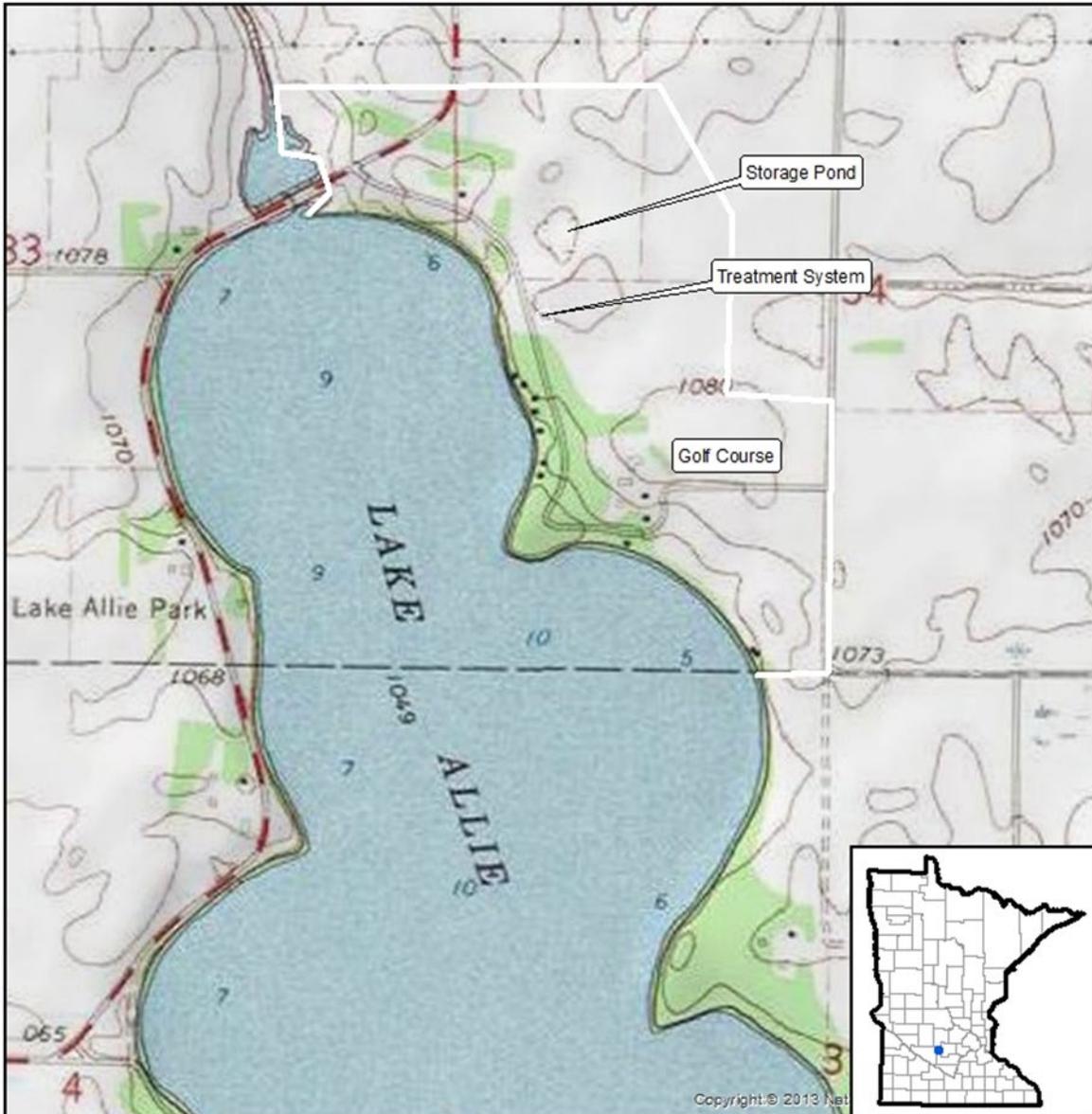
The Facility serves the Lake Allie ESSD, residents of Lake Allie Ridge development, and the clubhouse at the Oakdale Country Club Golf Course.

The Facility is, and will continue to be, designed for an average daily wet weather flow of 16,800 gallons per day (gpd) with a 5-Day Carbonaceous Biochemical Oxygen Demand loading of 40 pounds per day. The storage pond is designed to provide 180 days of storage at maximum design flow. The treated effluent is discharged to the storage pond from which it will be used to spray irrigate approximately 40 acres of the Oakdale Country Club Golf Course.

2. Location map of permitted facility

Location of Permitted Facility

Lake Allie ESSD Wastewater Treatment Facility
Permit Number MN0064556
T116N, R31W, Section 34
Boon Lake Township, Renville County, Minnesota

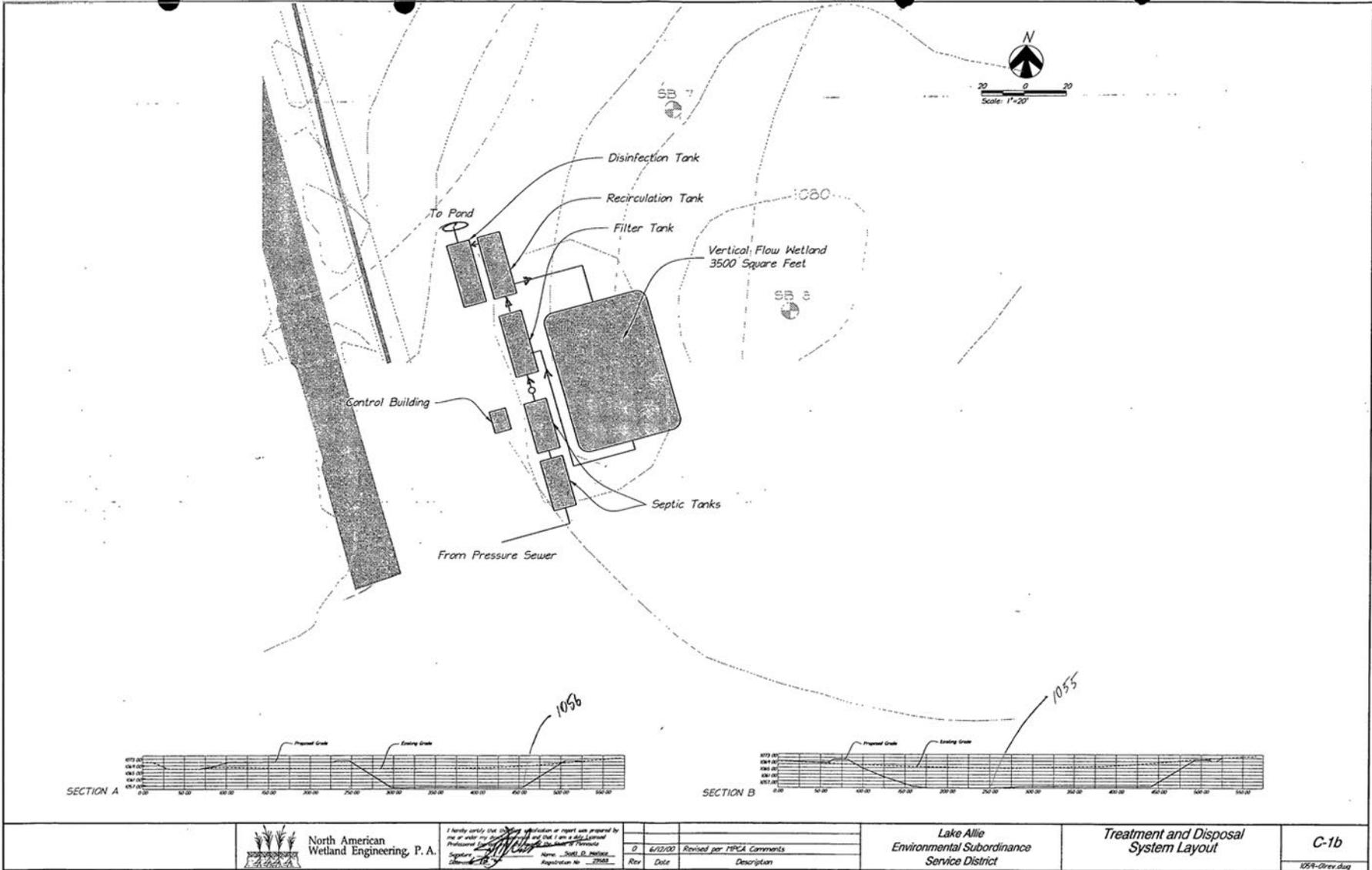


Map produced by: MPCA Staff, 10/14/2021
Source: USGS Quad
Scale: 1:12,000

0 0.125 0.25 0.5 Miles



4. Flow diagram – existing facility



North American
 Wetland Engineering, P.A.

I hereby certify that the design, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer in the State of Minnesota.
 Signature: [Signature] Name: Scott B. [Name] Registration No.: [Number]

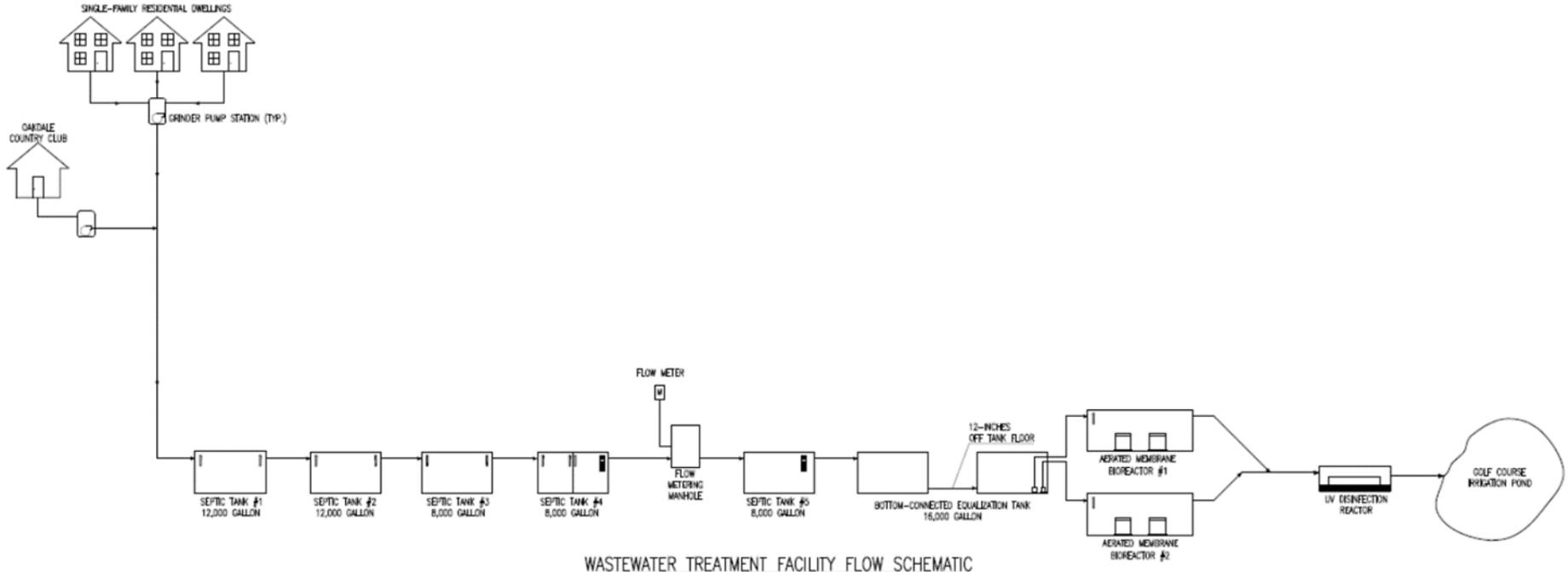
Rev	Date	Description
0	6/12/00	Revised per MPCA Comments

Lake Allie
 Environmental Subordinance
 Service District

Treatment and Disposal
 System Layout

C-1b
 1054-01rev.dwg

5. Flow diagram – proposed facility



WASTEWATER TREATMENT FACILITY FLOW SCHEMATIC

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7. Summary of stations and station locations

Station	Type of station	Local name	PLS location
WS 001	Influent Waste	Influent Waste Stream	T116N, R31W, S34, NW Quarter of the SW Quarter
WS 003	Internal Waste Stream	Septic Tank #2 (Phase 1) Septic Tank #4 (Phase 2)	T116N, R31W, S34, NW Quarter of the SW Quarter
WS 004	Internal Waste Stream	Reuse Effluent, Disinfected Tertiary 2.2	T116N, R31W, S34, NW Quarter of the NE Quarter
WS 006	Intermediate: WW to Land	Effluent to Golf Course Site	T116N, R31W, S34, NW Quarter of the SW Quarter

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8. Permit requirements

WS 001	Influent Waste	
		Waste Stream: Large Subsurface Sewage Treatment System Influent 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 WS 001 shall be taken at a point that is representative of the total influent flow into the system. [Minn. R. 7001.0150, Subp. 2(B)]
	5.1.4	The Permittee shall submit monitoring results in accordance with the limits and monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on Discharge Monitoring Report (DMR) and shall add a Comments attachment to the DMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp. 2(B)]
WS 003	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	5.2.1	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)]
	5.2.2	Sampling Location. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2.3	Samples for Station WS 003 shall be taken at existing Septic Tank #2 which will then become Septic Tank #4 upon initiation of operation of the redesigned facility. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2.4	The Permittee shall submit monitoring results in accordance with the limits and monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on Discharge Monitoring Report (DMR) and shall add a Comments attachment to the DMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp. 2(B)]
WS 004	Internal Waste Stream	
		Waste Stream: Golf Course Irrigation (Disinfection) 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 WS 004 shall be taken following disinfection and prior to discharge into the irrigation storage pond. [Minn. R. 7001.0150, Subp. 2(B)]
	5.3.4	The Permittee shall submit monitoring results in accordance with the limits and monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on Discharge Monitoring Report (DMR) and shall add a Comments attachment to the DMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp. 2(B)]
WS 006	Intermediate: WW to Land	
		Waste Stream: Golf Course Irrigation 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 WS 006 shall be taken from the irrigation wetwell prior to application to the golf course. [Minn. R. 7001.0150, Subp. 2(B)]
	5.4.4	The Permittee shall submit monitoring results in accordance with the limits and monitoring requirements for this station. If conditions are such that no sample can be acquired, the Permittee shall report "No Flow" or "No Discharge" on Discharge Monitoring Report (DMR) and shall add a Comments attachment to the DMR detailing why the sample was not collected. [Minn. R. 7001.0150, Subp. 2(B)]
MN0064556	Lake Allie ESSD WWTP	
		Waste Stream Station General Requirements
	5.5.1	Representative Samples. [Minn. R. 7001]
	5.5.2	Grab and composite samples shall be collected at a point representative of total influent flow to the system. [Minn. R. 7001.0150, Subp 2(B)]
		Construction Schedule
	5.6.3	Definitions. [Minn. R. 7001]
	5.6.4	"Initiation of operation" means the date that MPCA determines all components of the wastewater treatment system are complete and functioning and the project begins operating for the purposes for which it was planned, designed, and built. [Minn. R. 7001]
	5.6.5	"Completion of construction" means all the construction is complete except for minor weather-related components and conforms to the approved plans and specifications and change orders. [Minn. R. 7001]
	5.6.6	"Notice to proceed" means a written notice given by the Permittee to the contractor that affixes the contract effective date and the date that the contractor begins performing the work specified in the contract documents. [Minn. R. 7001]
	5.6.7	Schedule. [Minn. R. 7001]
	5.6.8	Submit Notice to Proceed. The Permittee shall submit a copy of the Notice to Proceed to the MPCA within 14 days of its execution. [Minn. R. 7001]
	5.6.9	Submit Verification of Certified Operator and O&M Manual. The Permittee shall notify the MPCA in writing at least 60 days before the planned initiation of operation of the new or upgraded facility that it has employed a wastewater treatment facility operator, certified for the classification of the treatment system (according to Minn. R., Chapter 9400), that is directly responsible for the operation of the system. The Permittee shall also submit an operation and maintenance (O&M) manual or a maintenance plan; or a certificate of completion of an operation and maintenance manual. [Minn. R. 7001]
	5.6.10	Submit Notice of Intent to Initiate Operation. The Permittee shall notify the MPCA in writing at least 14 days before the planned initiation of operation date. Following MPCA staff concurrence that the facility is adequately prepared, MPCA staff will notify the Permittee that it may initiate operation of the new or upgraded facility. [Minn. R. 7001]
	5.6.11	Submit Initiation of Operation Date. The Permittee shall notify the MPCA in writing within 14 days after the actual initiation of operation date. The Permittee shall comply with all permit requirements and attain final limits within 90 days of the Initiation of Operation date. [Minn. R. 7001]
	5.6.12	Submit Notice to Complete Construction. The Permittee shall notify the MPCA in writing at least 14 days before the planned completion of construction date. The MPCA may complete a final inspection. [Minn. R. 7001]

5.6.13	<p>Submit Final Technical Documents. The Permittee shall submit the following to the MPCA within one year after the initiation of operation date:</p> <ul style="list-style-type: none"> a. An MPCA-approved certification form that is signed by a professional engineer registered in the state of Minnesota stating that the project meets the performance standards. b. A revised operation and maintenance manual or a maintenance plan; or a certificate of completion of an operation and maintenance manual on a form prescribed by the MPCA. At a minimum, this plan shall include a detailed discussion of operation and controls, maintenance, sampling and analysis, problem mitigation, VOC management, personnel records and reporting, and safety. This plan shall be maintained and updated regularly and made available to the MPCA staff upon request. c. A system effectiveness evaluation that summarizes the effectiveness of the treatment facility (including any applicable groundwater monitoring system) as detailed in the plan and specifications approval letter or through communication with the MPCA staff. d. One copy of "as-built" plans and specifications, also known as record drawings, shall be submitted in a format approved by the MPCA. The factsheet titled: "Wastewater Treatment Facility Construction Record Documents, As-built Submittal Requirements" contains specific information regarding the required format of the submittal. The document is located on the MPCA web page at: http://www.pca.state.mn.us/index.php/view-document.html?gid=15492. [Minn. R. 7001]
5.6.14	<p>Phase 1 limits and monitoring requirements are effective upon permit issuance until they are replaced by Phase 2 limits and monitoring requirements. Phase 2 limits and monitoring requirements will become effective 90 days after initiation of operation of the redesigned treatment system and will remain in effect for the life of the permit. [Minn. R. 7001]</p>
	<p>Large Subsurface Treatment System (LSTS)</p>
5.7.15	<p>Unauthorized Discharge. [Minn. R. 7001]</p>
5.7.16	<p>There shall be no unauthorized discharge to the ground surface or surface water from these facilities. [Minn. R. 7001.0030]</p>
5.7.17	<p>Prohibitions. [Minn. R. 7001]</p>
5.7.18	<p>The Permittee shall prevent the discharge of any wastes other than sewage into any component of the facility, including septic tanks, advanced treatment systems, and soil treatment systems that could result in damage to the treatment facility or inhibit treatment unless the discharge of such other substances is specifically approved in writing by the MPCA. [Minn. R. 7001]</p>
5.7.19	<p>Sanitary Sewer Extension Permit. [Minn. R. 7001]</p>
5.7.20	<p>The Permittee may be required to obtain a sanitary sewer extension permit from the MPCA for any addition, extension, or replacement to the sanitary sewer. If a sewer extension permit is required, construction may not begin until plans and specifications have been submitted and a written permit is granted except as allowed in Minn. Stat. 115.07, Subd. 3(b). [Minn. R. 7001.0020, D]</p>
5.7.21	<p>Operator Certification. [Minn. R. 7001]</p>
5.7.22	<p>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]</p>
5.7.23	<p>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:</p> <ul style="list-style-type: none"> A. The certified operator's name, certificate number, service provider certification 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]

5.7.24	Operation and Maintenance Manual. [Minn. R. 7001]
5.7.25	The Permittee is required to have on site and available an updated Operation and Maintenance manual. This manual shall be available to MPCA staff upon request. [Minn. R. 7001.0150, Subp. 3(f)]
5.7.26	Collection System. [Minn. R. 7001]
5.7.27	The collection system shall be properly maintained to minimize inflow, infiltration, exfiltration, and obstructions. The Permittee shall keep a record of all inspections and maintenance operations for a minimum of three years. [Minn. R. 7001.0150, Subp. 3(f)]
5.7.28	Tank Maintenance. [Minn. R. 7001]
5.7.29	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)]
5.7.30	The Permittee shall keep records of all pumping, inspections, and maintenance operations for a minimum of three years. [Minn. R. 7001]
5.7.31	The Permittee shall arrange for the removal and proper disposal of septage from all septic 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)]
5.7.32	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 the effluent screens are inspected, removed, and cleaned. [Minn. R. 7001.0150, Subp. 3(f)]
5.7.33	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)]
5.7.34	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)]
5.7.35	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)]
	Constructed Wetland Treatment System
5.8.36	Facility Maintenance. [Minn. R. 7001]
5.8.37	The Permittee shall maintain vegetation on the constructed wetland to prevent the growth of unwanted vegetation such as trees or deep-rooted nuisance plants. Periodic removal of plant material may be required to prevent vegetation or vegetation debris from inhibiting the flow of water through the constructed wetland. [Minn. R. 7001.0150, subp. 3(F)]
5.8.38	Expansion. [Minn. R. 7001]
5.8.39	If the application rate to the constructed wetland, or the flow rate to the septic tank(s) prove to be excessive, the Permittee shall submit an application for a permit modification for appropriate expansion of the system in accordance with the permit modifications section of this permit. Indications of excessive flow rate include surface ponding of wastewater on the constructed wetland, vegetative drowning, excessive groundwater mounding, and exceeding daily permitted flow rates as indicated by flow meters. [Minn. R. 7001.0150, subp. 3(F)]

Pretreatment: Nondelegated Requirements	
5.9.40	Definitions. [Minn. R. 7049]
5.9.41	"Individual Control Mechanism" means a document, such as an agreement or permit, which imposes limitations or requirements on an individual industrial user of the publicly owned treatment works (POTW). [Minn. R. 7049]
5.9.42	"Significant Industrial User" (SIU) means any industrial user that: A. Is subject to Categorical Pretreatment Standards, as defined in Minn. R. 7049.0120, subp. 5; B. Discharges 25,000 gpd or more of process wastewater, excluding sanitary, noncontact cooling, or boiler blowdown wastewater, to the POTW; C. Contributes a process wastewater containing five percent or more of the flow or load of any pollutant of concern to the POTW; or D. Is designated as significant by the Permittee or the MPCA on the basis that the industrial user has a reasonable potential to adversely impact the POTW's operation or violate any pretreatment standard or requirement. [Minn. R. 7049]
5.9.43	Permittee Responsibility to Control Users. [Minn. R. 7049]
5.9.44	It is the Permittee's responsibility to regulate the discharge from users of its POTW. The Permittee shall prevent any pass through of pollutants or any inhibition or disruption of the Permittee's POTW, its treatment processes, or its sludge processes or disposal that contribute to the violation of the conditions of this permit or any federal or state law or regulation limiting the release of pollutants from the POTW. [Minn. R. 7049]
5.9.45	The Permittee shall prohibit the discharge of the following to its POTW: A. Pollutants that create a fire or explosion hazard, including any discharge with a flash point less than 60 degrees C (140 degrees F); B. Pollutants that will cause corrosive structural damage to the POTW, including any waste stream with a pH of less than 5.0; C. Solid or viscous pollutants which would obstruct flow; D. Any pollutant, including oxygen-demanding pollutants such as biochemical oxygen demand, released at a flow rate or pollutant concentration that will cause interference or pass-through; E. Heat that would inhibit biological activity, including any discharge that would cause the temperature of the waste stream at the POTW treatment plant headwork's to exceed 40 degrees C (104 degrees F); F. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that would cause interference or pass-through; and G. Pollutants that produce toxic gases, vapors, or fumes that may endanger the health or safety of workers. [Minn. R. 7049]
5.9.46	The Permittee shall prohibit new discharges of non-contact cooling waters unless there is no cost effective alternative. Existing discharges of non-contact cooling water to the Permittee's POTW shall be eliminated, where elimination is cost effective, or where an infiltration/inflow analysis and sewer system evaluation survey indicates the need for such removal. [Minn. R. 7049]
5.9.47	If the Permittee accepts trucked-in wastes, the Permittee shall evaluate the trucked-in wastes prior to acceptance in the same manner as it monitors sewered wastes. The Permittee shall accept trucked-in wastes only at specifically designated points. [Minn. R. 7049]

5.9.48	<p>Pollutant of concern means a pollutant that is or may be discharged by an industrial user that is or reasonably should be of concern on the basis that it may cause the Permittee to violate any permit limits on the release of pollutants. The following pollutants shall be evaluated to determine if they should be pollutants of concern:</p> <ul style="list-style-type: none">A. Pollutants limited in this permit;B. Pollutants for which monitoring is required in this permit;C. Pollutants that are likely to cause inhibition of the Permittee's POTW;D. Pollutants which may interfere with sludge disposal; andE. Pollutants for which the Permittee's POTW has limited capacity. [Minn. R. 7049]
5.9.49	Control of Significant Industrial Users. [Minn. R. 7049]
5.9.50	The Permittee shall impose pretreatment requirements on SIUs to ensure compliance with all applicable effluent limitations and other requirements set forth in this permit or any federal or state law or regulation limiting the release of pollutants from the POTW. These requirements shall be applied to SIUs by means of an individual control mechanism. [Minn. R. 7049]
5.9.51	The Permittee shall not knowingly enter into an individual control mechanism with any user that would allow the user to contribute an amount or strength of wastewater that would cause violation of any limitation or requirement in the permit, or any applicable federal, state, or local law or regulation. [Minn. R. 7049]
5.9.52	Monitoring of Significant Industrial Users. [Minn. R. 7049]
5.9.53	The Permittee shall obtain specific information from SIUs on the quality and quantity of the SIU's discharges to the Permittee's POTW. Except where specifically requested by the Permittee and approved by the MPCA, this information shall be obtained by means of representative monitoring conducted by the Permittee or by the SIU under requirements imposed by the Permittee in the SIU's individual control mechanism. Monitoring performed to comply with this requirement shall include all pollutants for which the SIU is significant and shall be done at a frequency commensurate with the significance of the SIU. [Minn. R. 7049]
5.9.54	Reporting and Notifications. [Minn. R. 7049]
5.9.55	The Permittee shall submit a pretreatment annual report: Due by 31 days after the end of each calendar year following permit issuance if a SIU discharges to the POTW during a given calendar year. [Minn. R. 7049]
5.9.56	The Permittee shall submit the Pretreatment Annual Report form found on the MPCA's website at https://www.pca.state.mn.us/water/wastewater-pretreatment or shall provide equivalent information. [Minn. R. 7049]
5.9.57	The Permittee shall submit the Pretreatment Annual Report to the MPCA, WQ Submittals Center. [Minn. R. 7049]
5.9.58	<p>The Permittee shall notify the MPCA in writing of any of the following:</p> <ul style="list-style-type: none">A. Any SIU of the Permittee's POTW which has not been previously disclosed to the MPCA;B. Anticipated or actual changes in the volume or quality of discharge by an industrial user that could result in the industrial user becoming an SIU as defined in this section; orC. Anticipated or actual changes in the volume or quality of discharges by a SIU that would require changes to the SIU's required local limits. <p>This notification shall be submitted within 30 days of identifying the industrial user as a SIU. Where changes are proposed, they shall be submitted prior to changes being made. [Minn. R. 7049]</p>

5.9.59	<p>Upon notifying the MPCA of a SIU or change in a SIU discharge as required above, the Permittee shall submit the following information using the forms found on the MPCA's website at https://www.pca.state.mn.us/water/wastewater-pretreatment or in a comparable format:</p> <p>A. The identity of the SIU and a description of the SIU's operation and process; B. A characterization of the SIU's discharge; C. The required local limits that will be imposed on the SIU; D. A technical justification of the required local limits; and E. A plan for monitoring the SIU which is consistent with monitoring requirements in this section. [Minn. R. 7049]</p>
5.9.60	<p>In addition, the Permittee shall, upon request, submit the following to the MPCA for approval:</p> <p>A. Additional information on the SIU, its processes, and discharge; B. A copy of the individual control mechanism used to control the SIU; C. The Permittee's legal authority to be used for regulating the SIU; and D. The Permittee's procedures for enforcing the requirements imposed on the SIU. [Minn. R. 7049]</p>
5.9.61	<p>The Permittee shall notify the MPCA of any of its industrial users that may be subject to National Categorical Pretreatment Standards. [Minn. R. 7049]</p>
5.9.62	<p>This permit may be modified in accordance with Minn. R. ch. 7001 to require development of a pretreatment program approvable under the Federal General Pretreatment Regulation (40 CFR 403). [Minn. R. 7049]</p>
	<p>Biosolids Transfer</p>
5.10.63	<p>Authorization. [Minn. R. 7041]</p>
5.10.64	<p>This permit authorizes the Permittee to store and/or transfer only wastewater biosolids and/or biosolids from septic tanks to another permitted treatment facility for final treatment and disposal in accordance with the provision in this section and Minn. R. ch. 7041.</p> <p>Land application of biosolids is not authorized by this permit unless prior written approval is obtained by the MPCA. [Minn. R. 7041]</p>
5.10.65	<p>Reporting Requirements. [Minn. R. 7041]</p>
5.10.66	<p>The Permittee shall submit a biosolids annual report: Due annually, by the 31st of December. [Minn. R. 7041.1700]</p>
5.10.67	<p>The Permittee shall submit the Biosolids Annual Report form found on the MPCA's website at https://www.pca.state.mn.us/water/biosolids or shall provide equivalent information on another MPCA approved format. The report shall include the requirements in Minn. R. 7041.1700. [Minn. R. 7041.1700]</p>
5.10.68	<p>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.</p> <p>Cropping year means a year beginning on September 1st of the year prior to the growing season and ending August 31st. the year the crop is harvested. For example, the 2019 cropping year began September 1, 2018, and ended August 31, 2019. [Minn. R. 7041]</p>
5.10.69	<p>The Biosolids Annual Report shall indicate whether or not biosolids were transferred and/or stored. If biosolids were transferred, the report shall describe:</p> <p>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]</p>
5.10.70	<p>The Permittee shall submit the Biosolids Annual Report to the MPCA, WQ Submittals Center. [Minn. R. 7041]</p>

		Wastewater Reuse
5.11.71		Definitions. [Minn. R. 7001]
5.11.72		"Disinfected Tertiary 2.2 Effluent" means that the wastewater has been treated by a secondary treatment process and has been filtered and disinfected to ensure compliance with a total coliform limit of 2.2 MPN per 100 mL sample. [Minn. R. 7001]
5.11.73		"Disinfected Secondary 23 Effluent" means that the wastewater has been treated by a secondary treatment process and has been disinfected to ensure compliance with a total coliform limit of 23 MPN per 100 mL sample. [Minn. R. 7001]
5.11.74		"Maximum 7-Sample Moving Median" shall be calculated by listing the current sample value and the previous 6 sample values in order from the lowest value to the highest value and recording the middle value (median). It may be necessary to include sample values from the previous monitoring period(s) in order to obtain 7 sample values for the calculation. On the eDMR, report the highest 7-sample median calculated during that monitoring period. [Minn. R. 7001]
5.11.75		"Effluent Reuse," "Wastewater Reuse," "Recycled Wastewater," or "Reclaimed Wastewater" is the use of municipal wastewater effluent that, as a result of treatment, is suitable for a direct beneficial use or a controlled use that would normally use another source of water such as potable water, surface water, or groundwater. These terms have the same meaning and may be used interchangeably. [Minn. R. 7001]
5.11.76		General Requirements. [Minn. R. 7001]
5.11.77		Authorization. [Minn. R. 7001]
5.11.78		This permit authorizes the Permittee to reuse, recycle, or reclaim domestic wastewater effluent in accordance with the provisions of this section. [Minn. R. 7001]
5.11.79		Wastewater effluent meeting the requirements for Disinfected Tertiary 2.2 Effluent may be used only for the types of reuse listed in the MPCA factsheet titled Municipal Wastewater Reuse. The factsheet can be found on the MPCA's website at https://www.pca.state.mn.us/water/wastewater-additional-guidance-and-information . [Minn. R. 7001]
5.11.80		Wastewater effluent meeting the requirements for Disinfected Secondary 23 Effluent may be used only for the types of reuse listed in the MPCA factsheet titled Municipal Wastewater Reuse. The factsheet can be found on the MPCA's website at https://www.pca.state.mn.us/water/wastewater-additional-guidance-and-information . [Minn. R. 7001]
5.11.81		Future reuse activities that include the construction of permanent piping systems to distribute the recycled wastewater to users will require a modification to this permit. The Permittee is not authorized under this permit to construct any additional permanent piping systems to distribute effluent for reuse. Any proposals for reuse activities that require the construction of a permanent piping distribution system shall be submitted to the MPCA for review and approval prior to construction. [Minn. R. 7001]
5.11.82		Exception. [Minn. R. 7001]
5.11.83		The requirements set forth in this section shall not apply for use of recycled wastewater onsite at the facility provided that public access to the area of onsite use is restricted. [Minn. R. 7001]
5.11.84		Any use of recycled wastewater shall comply with the following: A. Any irrigation runoff shall be confined to the recycled wastewater use area, unless the runoff does not pose a public health threat and is authorized by the regulatory agency; B. Spray, mist, or runoff shall not enter dwellings, designated outdoor eating areas, or food handling facilities; and C. Drinking water fountains shall be protected against contact with recycled wastewater spray, mist, or runoff. [Minn. R. 7001]
5.11.85		The Permittee shall prevent the surface runoff of recycled wastewater from reuse site(s), including precipitation runoff mixed with recycled wastewater. The Permittee shall provide runoff collection and reapplication systems as appropriate to prevent the discharge of surface runoff. [Minn. R. 7001]

5.11.86	Any nuisance condition created by odor or aerosol drift from operation of the recycled wastewater system is prohibited. [Minn. R. 7001]
5.11.87	The Permittee shall have a Contingency Plan onsite which will assure that no untreated or inadequately treated recycled wastewater will be delivered to the reuse site(s). There shall be no bypassing of untreated or partially treated effluent from the facility to the reuse site(s). Any such discharge is prohibited and must be reported immediately to the MPCA. [Minn. R. 7001]
5.11.88	Effluent Reuse Annual Report. [Minn. R. 7001]
5.11.89	The Permittee shall submit an annual report: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001]
5.11.90	The Permittee shall submit the Effluent Reuse Annual Report to the MPCA, WQ Submittals Center. [Minn. R. 7001]
5.11.91	The Effluent Reuse Annual Report shall include, but not be limited to: A. Total amount of recycled wastewater reused, including the annual, monthly, and daily volume of recycled wastewater at each location; B. Inventory of site(s) where recycled wastewater was reused, including how the water was reused, the locations (including a map, if appropriate), the average number of persons estimated as being served on a daily basis, and the person(s) responsible for the recycled wastewater at each site(s); C. Any agreements between the Permittee and recycled wastewater user(s) that define the responsibilities for meeting the requirements of this section at the reuse site(s) (if appropriate); D. Summary of the quality of recycled wastewater; E. Description of public notification and/or public information programs; F. Records of operational problems and equipment breakdowns, and any corrective and preventative actions taken as a result; and G. Reasons for noncompliance with effluent limitations (if appropriate). [Minn. R. 7001]
5.11.92	Restrictions. [Minn. R. 7001]
5.11.93	Except as allowed under Minnesota Plumbing Code, Minn. R. 4715, no physical connection shall be made or allowed to exist between any recycled wastewater disposal system and any separate system conveying potable water. [Minn. R. 7001]
5.11.94	The portions of the piping system used in the recycled wastewater disposal system in areas subject to access by the general public shall not include any hose bibs. Only quick couplers that differ from those used on the potable water system shall be used on the portions of the recycled wastewater piping system in areas subject to public access. [Minn. R. 7001]
5.11.95	Setback Distances. [Minn. R. 7001]
5.11.96	The Permittee shall comply with Minnesota Water Well Code, Minn. R. 4725, with regards to setback distances from reuse areas to water supply wells. [Minn. R. 7001]
5.11.97	No irrigation with Disinfected Tertiary 2.2 Effluent shall occur within 50 feet of any domestic water supply well. [Minn. R. 7001]
5.11.98	No impoundment of Disinfected Tertiary 2.2 Effluent shall occur within 100 feet of any domestic water supply well. [Minn. R. 7001]
5.11.99	No irrigation of Disinfected Secondary 23 Effluent shall occur within 100 feet of any domestic water supply well. [Minn. R. 7001]
5.11.100	No irrigation of Disinfected Secondary 23 Effluent shall occur within 100 feet of a residence or a place where public exposure could be similar to that of a park, playground, or school. [Minn. R. 7001]
5.11.101	Public Notification. [Minn. R. 7001]

5.11.102	<p>Areas where recycled wastewater is used for irrigation that are accessible to the public shall be posted with signs that are:</p> <p>A. Visible to the public; B. No less than 4 inches high by 8 inches wide; C. Includes the following wording "RECYCLED WATER - DO NOT DRINK"; and D. Displays an international symbol for "do not drink."</p> <p>The MPCA may accept alternative signage and wording, or an education program, provided the Permittee demonstrates the alternative will assure an equivalent degree of public notification. [Minn. R. 7001]</p>
5.11.103	<p>A "RECYCLED WATER - DO NOT DRINK" sign shall be permanently posted at each piping system quick coupler connection point or other distribution outlet to indicate that the water is recycled. [Minn. R. 7001]</p>
5.11.104	<p>Irrigation/Land Application. [Minn. R. 7001]</p>
5.11.105	<p>Recycled wastewater shall not have physical or chemical characteristics that prevent the proper operation of the disposal system. The wastewater shall be free of material that interferes with the operation of nozzles, orifices, or flow measurement devices. [Minn. R. 7001]</p>
5.11.106	<p>A vegetative cover shall be seeded and maintained on the site(s) where recycled wastewater is reused during the application season unless otherwise approved by the MPCA. [Minn. R. 7001]</p>
5.11.107	<p>Recycled wastewater shall not be reused for irrigation applied after vegetative cover has become dormant as a result of frost or below freezing temperatures. [Minn. R. 7001]</p>
5.11.108	<p>Recycled wastewater shall be applied so as not to harm vegetative cover and so that prolonged saturated soil conditions do not develop due to the application. Recycled wastewater shall not be land applied during precipitation periods. [Minn. R. 7001]</p>
	<p>Total Facility Requirements (SDS)</p>
5.12.112	<p>No Discharge. There shall be no point source discharge to surface water from the permitted activity. [Minn. R. 7001]</p>
5.12.113	<p>Definitions. Refer to the Permit User's Manual found on the MPCA's website (https://www.pca.state.mn.us) for standard definitions. [Minn. R. 7001]</p>
5.12.114	<p>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]</p>
5.12.115	<p>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)]</p>
5.12.116	<p>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 and Minn. R. chs. 7050, 7052, 7053 and any other applicable MPCA rules. [Minn. R. 7001.1090, subp. 1(A)]</p>
5.12.117	<p>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. [Minn. R. 7050.0210, subp. 2]</p>
5.12.118	<p>Property Rights. This permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, subp. 3(C)]</p>

5.12.119	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)]
5.12.120	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)]
5.12.121	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)]
5.12.122	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)]
5.12.123	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]
5.12.124	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]
5.12.125	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 or monitoring, pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit. [Minn. R. 7001.0150, subp. 3(I)]
5.12.126	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)]
5.12.127	Sampling. [Minn. R. 7001]
5.12.128	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)]
5.12.129	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)]
5.12.130	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]
5.12.131	Sample Preservation and Procedure. Sample preservation and test procedures for the analysis of pollutants shall conform to 40 CFR pt. 136 and Minn. R. 7041.3200. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7041.3200]

5.12.132	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)]
5.12.133	Maintain Records. The Permittee shall keep the records required by this permit for at least three years, including any calculations, original recordings from automatic monitoring instruments, and laboratory sheets. The Permittee shall extend these record retention periods upon request of the MPCA. The Permittee shall maintain records for each sample and measurement. The records shall include the following information: A. The exact place, date, and time of the sample or measurement; B. The date of analysis; C. The name of the person who performed the sample collection, measurement, analysis, or calculation; D. The analytical techniques, procedures, and methods used; and E. The results of the analysis. [Minn. R. 7001.0150, subp. 2(C)]
5.12.134	Completing Reports. The Permittee shall submit the results of the required sampling and monitoring activities on the forms provided, specified, or approved by the MPCA. The 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 Sample Values Form with the appropriate eDMRs. The Permittee may design and use their own Sample Values Form; however, the Permittee shall not use their form until the MPCA reviews and approves the form. 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)]

5.12.135	<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 PM of the 21st day of the month following the sampling period or as otherwise specified in this permit. The Permittee shall submit an eDMR for each required station even if no discharge occurred during the reporting period.</p> <p>The Permittee shall submit other reports required by this permit electronically or by mail. The Permittee shall submit reports by the date specified in this permit. For electronic submittals, the Permittee shall submit on or before 11:59 PM on the date specified in this permit. For mailed submittals, the Permittee shall ensure that submittals via U.S. Postal Service or other hand delivery method contain postmarks by the date specified in this permit. Whole Effluent Testing (WET) and Pretreatment Annual Reports must be mailed to the WQ Submittals Center.</p> <p>Electronically: wq.submittals.mPCA@state.mn.us Include Water quality submittals form: www.pca.state.mn.us/sites/default/files/wq-wwprm7-71.docx</p> <p>Or by mail: Attention: WQ Submittals Center Minnesota Pollution Control Agency 520 Lafayette Road North St. Paul, MN 55155-4191. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(H)]</p>
5.12.136	<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 submitted an incomplete or incorrect report or eDMR. The amended report or eDMR shall contain the missing or corrected data along with a comment on the eDMR explaining the circumstances of the incomplete or incorrect report. If it is impossible to amend the report or eDMR electronically, the Permittee shall immediately notify the MPCA and the MPCA will provide direction for the amendment submittals. [Minn. R. 7001.0150, subp. 3(G)]</p>
5.12.137	<p>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]</p>

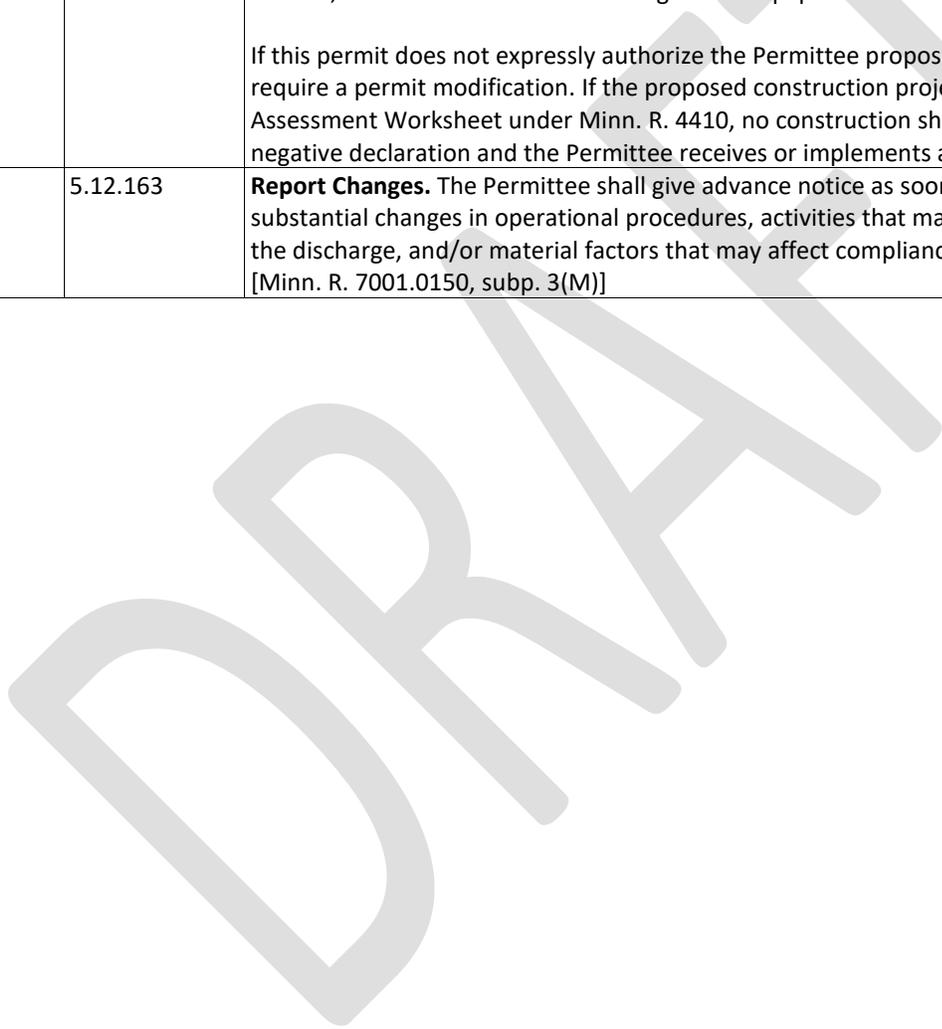
5.12.138	<p>Reporting Limit (RL). The Permittee shall report monitoring results below the RL of a particular instrument as "<" the value of the RL. For example, if an instrument has a RL of 0.1 mg/L and a parameter is not detected at a value of 0.1 mg/L or greater, the Permittee shall report the concentration 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.</p> <p>Where sample values are less than the RL and the permit requires reporting of an average, the Permittee shall calculate the average as follows:</p> <p>A. If some values are less than (<) the RL, substitute zero for all non-detectable values to use in the average calculation;</p> <p>B. If all values are less than (<) the RL, calculate the average and report as < the RL average concentration; and</p> <p>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)]</p>
5.12.139	<p>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 activity covered by the permit. [Minn. R. 7001.0150, subp. 3(H)]</p>
5.12.140	<p>Confidential Information. Except for data determined to be confidential according to Minn. Stat. ch. 116.075, subd. 2, all reports required by this permit are available for public inspection. The MPCA does not consider effluent data confidential. To request the MPCA maintain data as confidential, the Permittee shall follow Minn. R. 7000.1300. [Minn. R. 7000.1300]</p>
5.12.141	<p>Noncompliance and Enforcement. [Minn. R. 7001]</p>
5.12.142	<p>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)]</p>
5.12.143	<p>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]</p>
5.12.144	<p>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)]</p>

5.12.145	<p>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.</p> <p>If the Permittee discovers that noncompliance with a condition of the permit occurred and that the noncompliance could endanger human health, public drinking water supplies, or the environment, the Permittee shall within 24 hours of the discovery of the noncompliance orally notify the Commissioner and submit a written description of the noncompliance within five days of the discovery.</p> <p>If the Permittee discovers other noncompliance that does not explicitly endanger human health, public drinking water supplies, or the environment, the Permittee shall report the description of noncompliance within 30 days of the discovery. If no eDMR is required within 30 days, the Permittee shall submit a written report including the description of noncompliance within 30 days of the discovery of the noncompliance. This description shall include the following information:</p> <ul style="list-style-type: none">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; andE. Steps taken to reduce any adverse impact resulting from the event. [Minn. R. 7001.0150, subp. 3(K)]
5.12.146	<p>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:</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); andF. That the Permittee implemented the remedial measures required by Minn. R. 7001.0150, subp. 3(J). [Minn. R. 7001.1090]
5.12.147	<p>Release. [Minn. R. 7001]</p>
5.12.148	<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. [40 CFR 122.41, Minn. Stat. ch. 115.061]</p>

5.12.149	<p>Discovery of a Release. Upon discovery of a release, the Permittee shall:</p> <ul style="list-style-type: none">A. Take all reasonable steps to immediately end the release;B. Notify the Minnesota Department of Public Safety Duty Officer at 1(800)422-0798 or (651)649-5451 (metro area) immediately upon discovery of the release. The Permittee may contact the MPCA during business hours at 1(800)657-3864 or (651)296-6300 (metro area); andC. 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]
5.12.150	<p>Sampling of a Release. Upon discovery of a release, the Permittee shall:</p> <ul style="list-style-type: none">A. Collect representative samples of the release. The Permittee shall sample the release for 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; andB. Submit the sampling results on the Release Report located on the MPCA's website at https://www.pca.state.mn.us/water/discharge-monitoring-reports. <p>The Permittee shall submit the Release Report to the MPCA with the next eDMR or within 30 days, whichever is sooner. [Minn. R. 7001.1090]</p>
5.12.151	<p>Bypass. [Minn. R. 7001]</p>
5.12.152	<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 essential maintenance to assure efficient operation of the facility. The Permittee shall submit prior notice to the MPCA at least ten days before the date of the bypass, if possible. The notice of the need for an anticipated bypass shall include the following information:</p> <ul style="list-style-type: none">A. The proposed date and estimated duration of the bypass;B. The alternatives to bypassing; andC. A proposal for effluent sampling during the bypass. Any bypass wastewater shall enter waters of the state from outfalls specifically authorized by this permit. Therefore, 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)]

5.12.153	<p>This permit prohibits all other bypasses. The MPCA may take enforcement action against the Permittee for a bypass, unless the specific conditions described in Minn. R. 7001.1090 subp. 1(K) and 40 CFR 122.41(m)(4)(i) are met.</p> <p>In the event of an unanticipated bypass, the Permittee shall:</p> <p>A. Take all reasonable steps to immediately end the bypass;</p> <p>B. Notify the Minnesota Department of Public Safety Duty Officer at 1(800)422-0798 or (651)649-5451 (metro area) immediately upon commencement of the bypass. The Permittee may contact the MPCA during business hours at 1(800)657-3864 or (651)296-6300 (metro area);</p> <p>C. Immediately take action as may be reasonably possible to minimize or abate pollution to waters of the state or potential impacts to human health caused thereby. If directed by the MPCA, the Permittee shall consult with other local, state, or federal agencies for implementation of abatement, clean up, or remediation activities; and</p> <p>D. Only allow bypass wastewater as specified in this section to enter waters of the state from outfalls specifically authorized by this permit. The Permittee shall collect samples at the frequency and location identified in this permit or two times per week for as long as the bypass continues, whichever is more frequent. The Permittee shall also follow the reporting requirements for effluent violations as specified in this permit. [40 CFR 122.41(m)(4)i, Minn. R. 7001.1090, subp. 1(K), Minn. Stat. ch. 115.061]</p>
5.12.154	<p>Operation and Maintenance. [Minn. R. 7001]</p>
5.12.155	<p>The Permittee shall at all times properly operate and maintain the facilities and systems of treatment and control, and the appurtenances related to them which are installed or used by the Permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. The Permittee shall install and maintain appropriate backup or auxiliary facilities if they are necessary to achieve compliance with the conditions of the permit and, for all permits other than hazardous waste facility permits, if these backup or auxiliary facilities are technically and economically feasible. [Minn. R. 7001.0150, subp. 3(F)]</p>
5.12.156	<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>
5.12.157	<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>
5.12.158	<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>
5.12.159	<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>
5.12.160	<p>Changes to the Facility or Permit. [Minn. R. 7001]</p>

5.12.161	<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 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>
5.12.162	<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 the Permittee proposed construction, the MPCA may require a permit modification. If the proposed construction project requires an Environmental Assessment Worksheet under Minn. R. 4410, no construction shall begin until the MPCA issues a negative declaration and the Permittee receives or implements all approvals. [Minn. R. 7001.0030]</p>
5.12.163	<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>



5.12.164	<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 website at https://www.pca.state.mn.us/water/wastewater-additional-guidance-and-information:</p> <ul style="list-style-type: none">A. The process for which the additive will be used;B. Safety Data Sheet (SDS) which shall include aquatic toxicity, human health, and environmental fate information for the proposed additive. The aquatic toxicity information shall include at minimum the results of: a) a 48-hour LC50 or EC50 acute study for a North American freshwater planktonic crustacean (either Ceriodaphnia or Daphnia sp.) and b) a 96-hour LC50 acute study for rainbow trout, bluegill, or fathead minnow or another North American freshwater aquatic species other than a planktonic crustacean;C. A complete product use and instruction label;D. The commercial and chemical names and Chemical Abstract Survey (CAS) number for all ingredients in the additive (If the 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); andE. The proposed method of application, application frequency, concentration, and daily average and maximum rates of use. <p>Upon review of the information submitted regarding the proposed chemical additive, the MPCA may require additional information be submitted for consideration. This permit may be modified to restrict the use or discharge of a chemical additive and include additional influent and effluent monitoring requirements. Approval for the use of an additive shall not justify the exceedance of any effluent limitation nor shall it be used as a defense against pollutant levels in the discharge causing or contributing to the violation of a water quality standard. [Minn. R. 7001.0170]</p>
5.12.165	<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>
5.12.166	<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>
5.12.167	<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>

5.12.168	<p>Facility Closure. The Permittee is responsible for closure and post-closure care of the facility. The Permittee shall notify the MPCA of a significant reduction or cessation of the activities described in this permit at least 180 days before the reduction or cessation. The MPCA may require the Permittee to provide a Facility Closure Plan to the MPCA for approval.</p> <p>The MPCA may require a permit modification or reissuance for facility closure that could result in a potential long-term water quality concern, such as the ongoing discharge of wastewater to surface or groundwater.</p> <p>The MPCA may require the Permittee to establish and maintain financial assurance to ensure performance of certain obligations under this permit, including closure, post-closure care, and remedial action at the facility. If the MPCA requires financial assurance, the MPCA shall approve the amount and type of financial assurance, and proposed modifications to previously MPCA-approved financial assurance. [Minn. Stat. ch. 116.07, subd. 4]</p>
5.12.169	<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>
5.12.170	<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; orC. 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]

9. Submittal action summary

WS 001	Influent Waste	
		Waste Stream: Large Subsurface Sewage Treatment System Influent 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)]
WS 003	Internal Waste Stream	
		Facility Specific Limit and Monitoring Requirements
	6.2.1	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)]
WS 004	Internal Waste Stream	
		Waste Stream: Golf Course Irrigation (Disinfection) 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 006	Intermediate: WW to Land	
		Waste Stream: Golf Course Irrigation 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)]
MN0064556	Lake Allie ESSD WWTP	
		Biosolids Transfer
	6.5.1	The Permittee shall submit a biosolids annual report: Due annually, by the 31st of December. [Minn. R. 7041.1700]
		Wastewater Reuse
	6.6.2	The Permittee shall submit an annual report: Due by 21 days after the end of each calendar year following permit issuance. [Minn. R. 7001]
		Total Facility Requirements (SDS)
	6.7.3	Permit Reissuance. If the Permittee desires to continue permit coverage beyond the date of permit expiration, the Permittee shall submit an application for permit reissuance: Due by 180 days prior to permit expiration. [Minn. R. 7001.0040]

10. Limits and monitoring

Subject item	Parameter	Discharge limitations							Monitoring requirements			Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.\	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 001 Influent Waste Stream	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	Flow		Monitor only. calendar month total	million gallons		Monitor only. calendar month average	Monitor only. calendar month maximum	million gallons per day	once per day	Measurement, Continuous	Jan-Dec	
WS 001 Influent Waste Stream	pH				Monitor only. calendar month minimum		Monitor only. calendar month maximum	standard units	twice per month	Grab	Jan-Dec	
WS 001 Influent Waste Stream	Precipitation		Monitor only. calendar month total	inches					once per day	Measurement	Jan-Dec	
WS 001 Influent Waste Stream	Solids, Total Suspended (TSS)					Monitor only. calendar month average	Monitor only. calendar month maximum	milligrams per liter	twice per month	24-Hour Flow Composite	Jan-Dec	
WS 003 Septic Tank #2 (Phase 1) Septic Tank #4 (Phase 2)	Remaining Scum Capacity		Monitor only. calendar quarter maximum	inches					once per quarter	Measurement	Jan-Dec	
WS 003 Septic Tank #2 (Phase 1) Septic Tank #4 (Phase 2)	Remaining Sludge Capacity		Monitor only. calendar quarter maximum	inches					once per quarter	Measurement	Jan-Dec	
WS 003 Septic Tank #2 (Phase 1) Septic Tank #4 (Phase 2)	Scum Depth, Maximum of Sample		Monitor only. calendar quarter maximum	inches					once per quarter	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 003 Septic Tank #2 (Phase 1) Septic Tank #4 (Phase 2)	Sludge Depth, Maximum of Sample		Monitor only. calendar quarter maximum	inches						once per quarter	Measurement	Jan-Dec	
WS 004 Reuse Effluent, Disinfected Tertiary 2.2 Phase 1	Chlorine, Total Residual				Monitor only. minimum calendar month average			milligrams per liter	once per week	Grab	Dec-Mar		
WS 004 Reuse Effluent, Disinfected Tertiary 2.2 Phase 1	Coliform, Total, MPN or Membrane Filter					2.2 calendar month geometric mean	23 calendar month maximum	organisms per 100 milliliter	once per month	Grab	Dec-Mar		
WS 004 Reuse Effluent, Disinfected Tertiary 2.2 Phase 1	Coliform, Total, MPN or Membrane Filter					2.2 calendar week geometric mean	23 calendar month maximum	organisms per 100 milliliter	twice per week	Grab	Apr-Nov		
WS 004 Reuse Effluent, Disinfected Tertiary 2.2 Phase 2	Coliform, Total, MPN or Membrane Filter						240 daily maximum	organisms per 100 milliliter	3 times per week	Grab	Apr-Nov		
WS 004 Reuse Effluent, Disinfected Tertiary 2.2 Phase 2	Coliform, Total, MPN or Membrane Filter						240 daily maximum	organisms per 100 milliliter	twice per week	Grab	Dec-Mar		
WS 004 Reuse Effluent, Disinfected Tertiary 2.2 Phase 2	Coliform, Total, MPN or Membrane Filter		1 calendar month total	# of samples >23 organisms per 100 mL			2.2 max 7-sample moving median	organisms per 100 milliliter	twice per week	Calculation	Dec-Mar		

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 004 Reuse Effluent, Disinfected Tertiary 2.2 Phase 2	Coliform, Total, MPN or Membrane Filter		1 calendar month total	# of samples >23 organisms per 100 mL			2.2 max 7-sample moving median	organisms per 100 milliliter	3 times per week	Calculation	Apr-Nov	
WS 004 Reuse Effluent, Disinfected Tertiary 2.2 Phase 2	Turbidity					Monitor only. daily average	Monitor only. daily maximum	nephelometric turbidity units (NTU)	6 times per day	Measurement, Continuous	Jan-Dec	
WS 006 Effluent to Golf Course Site	Area Of Disposal, Used Site		40 calendar month maximum	acres					once per day	Measurement	Jan-Dec	
WS 006 Effluent to Golf Course Site	Chloride, Total					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
WS 006 Effluent to Golf Course Site	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	Apr-Oct	
WS 006 Effluent to Golf Course Site	Flow		Monitor only. calendar year to date total	million gallons					once per month	Calculation	Jan-Dec	
WS 006 Effluent to Golf Course Site	Flow		Monitor only. calendar month total intervention	million gallons		Monitor only. calendar month average intervention	Monitor only. calendar month max intervention limit	million gallons per day	once per day	Measurement, Continuous	Nov-Mar	The intervention limit is 0 MG.
WS 006 Effluent to Golf Course Site	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
WS 006 Effluent to Golf Course Site	Nitrogen, Ammonia, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	
WS 006 Effluent to Golf Course Site	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per month	Grab	Jan-Dec	

Permit issued: TBD
 Permit expires: TBD

MN0064556
 Page 32 of 32

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 006 Effluent to Golf Course Site	pH						Monitor only. calendar month maximum	standard units	once per month	Grab	Jan-Dec	
WS 006 Effluent to Golf Course Site	Specific Conductance						Monitor only. calendar month maximum	micromhos per cm	once per month	Measurement	Jan-Dec	

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