



STATE OF MINNESOTA

Minnesota Pollution Control Agency

Municipal Division

National Pollutant Discharge Elimination System (NPDES)/ State Disposal System (SDS) Permit MN0056685

PERMITTEE:	Forest Hills Golf & RV Resort		
FACILITY NAME:	Forest Hills Golf & RV Resort Wastewater Treatment Facility		
RECEIVING WATER:	Unnamed Pond (Class 2B, 3C, 4A, 4B, 5 and 6 water) North System Unnamed Wetland (Class 2D, 3D, 4C, 5 and 6 water) South System		
CITY OR TOWNSHIP:	Audubon	COUNTY:	Becker
ISSUANCE DATE:	July 22, 2010	EXPIRATION DATE:	June 30, 2015
MODIFICATION DATE:			

The state of Minnesota, on behalf of its citizens through the Minnesota Pollution Control Agency (MPCA), authorizes the Permittee to construct, install and 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 protect water quality in accordance with Minnesota and US statutes and rules, including Minn. Stat. chs. 115 and 116, Minn. R. chs. 7001, 7050, 7053, 7060, and the US Clean Water Act.

This permit is effective on the issuance date identified above, as modified on . This permit expires at midnight on the expiration date identified above.

Signature: _____
 Paul C. Scheirer, Supervisor
 Northwest Regional Office
 Municipal Division

for The Minnesota Pollution Control Agency

Submit DMRs to:

Attention: Discharge Monitoring Reports
 Minnesota Pollution Control Agency
 520 Lafayette Rd N
 St Paul, MN 55155-4194

Submit Other WQ Reports to:

Attention: WQ Submittals Center
 Minnesota Pollution Control Agency
 520 Lafayette Rd N
 St Paul, MN 55155-4194

Questions on this permit?

- For DMR and other permit reporting issues, contact:
Belinda Nicholas, 651-757-2613.
- For specific permit requirements or permit compliance status, contact:
Sarah Thomson, 218-846-8134.
- General permit or NPDES program questions, contact:
MPCA, 651-282-6143 or 1-800-657-3938.

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Facility Description

The Forest Hills Golf & RV Resort has two wastewater treatment facilities. The North Treatment System is located in the NE 1/4 of SE 1/4 of Section 24, Township 139 North, Range 42 West, Audubon Township, Becker County, Minnesota and is a Class C facility. The South Treatment System is located in the NW/4 of the NE/4 of Section 25, Township 139 North, Range 42 West, Audubon Township, Becker County, Minnesota. Major components of the Treatment Systems include:

North Treatment System

- 1 3000-gallon Grease Trap
- 1 7000-gallon Septic Tank
- 1 7000-gallon Flow Equalization Tank
- 2 4500-gallon per day Fixed Film Activated Sludge/Mobile Bed Reactor
- 1 Ultraviolet Light Disinfection Unit

South Treatment System

- 2 2500-gallon Septic Storage Collection Tanks
- 1 2500-gallon Flow Equalization Tank (Proposed)**
- 3 2500-gallon Flow Equalization Tanks
- 6 1500-gallon per day Aerobic Treatment Units
- 4 1500-gallon per day Aerobic Treatment Units (Proposed)**
- 1 2500-gallon Settling Tank
- 1 2500-gallon Drain Field Dosing Tank
- 2 Subsurface Drip Irrigation Drain Fields (To Be Eliminated)
- 1 Ultraviolet Light (Proposed)

The North Treatment System consists of a 3000-gallon grease trap, a 7000-gallon, two compartment septic tank, a 7000-gallon equalization/dosing tank, two 4500 gallons per day (gpd) fixed activated sludge treatment (FAST) units, and an ultraviolet disinfection unit. It is designed to treat an average wastewater flow of 5200 gpd, with a peak flow of 7800 gpd. This system discharges to a natural pond (class 2B, 3C, 4A, 4B, 5 and 6 water) on the Permittee's 18-hole golf course. There are no known bypasses that exist in this system. This is a Class C system. Please see attached flow diagram of the North Treatment System.

The South Treatment System consists of 2-2500 gallon collection, storage tanks, 3-2500 gallon equalization/dosing tanks, 6-1500 gpd aerobic treatment units, 1-2500 gallon settling tank, 1-2500gallon dosing tank, and 2-10,000 square foot drip irrigation drain fields. This system is designed to treat an average flow of 9600 gpd. There is currently no discharge to surface water from this system and there are no bypasses known to exist in this system. This is a Class C System.

The South Treatment System will be modified to eliminate the two drip irrigation drain fields, re-purpose the 2500 gallon settling and dosing tanks as settling/polishing tanks, addition of a ultraviolet disinfection unit and a surface discharge to a small contained wetland (Class 2D, 3D, 4C, 5 and 6 water) on site. The design flow of this system will also be 9600 gpd. No bypasses will be added to the treatment system. This is a Class C system. Please see attached flow diagram of the Proposed South Treatment System.

his permit modification only includes the installation of a 2500 gallon flow equalization tank, a flow distribution system, and 4 additional 1500-gallon aerobic treatment units to the South Treatment System.

The location of designated monitoring stations is specified on the attached "Summary of Stations" report.

The location of the facility is shown on the attached topographic map.

In accordance with Minnesota Pollution Control Agency rules regarding non-degradation for all waters that are not Outstanding Resource Value Waters (ORVW), non-degradation review is required for any new or expanded significant discharge (Minn. R. 7050.0185). A significant discharge is 1) a new discharge (not in existence before January 1, 1988) that is greater than 0.2 MGD to any water other than a Class 7 water, or 2) an expanded discharge that expands by greater than 0.2 MGD that discharges to any water other than a Class 7 water, or 3) a new or expanded discharge containing any toxic pollutant as a mass loading rate likely to increase the concentration of the toxicant in the receiving water by greater than one percent over the baseline quality. The flow rate used to determine significance is the design average wet weather flow. The January 1, 1988 design average wet weather flow is 7600 gpd for the North Treatment System, and 0 gpd for the South Treatment System.

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 permit has been issued by the agency that contains effluent limits more stringent than those that would be established by parts 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 sections 402(o) of the Clean Water Act, United States Code, title 33, section 1342.

Topographic Map of Permitted Facility

MN0056685, Forest Hills Golf and RV Resort WWTF
T139N, R42W, Section 24
Audubon Township, Becker County, Minnesota

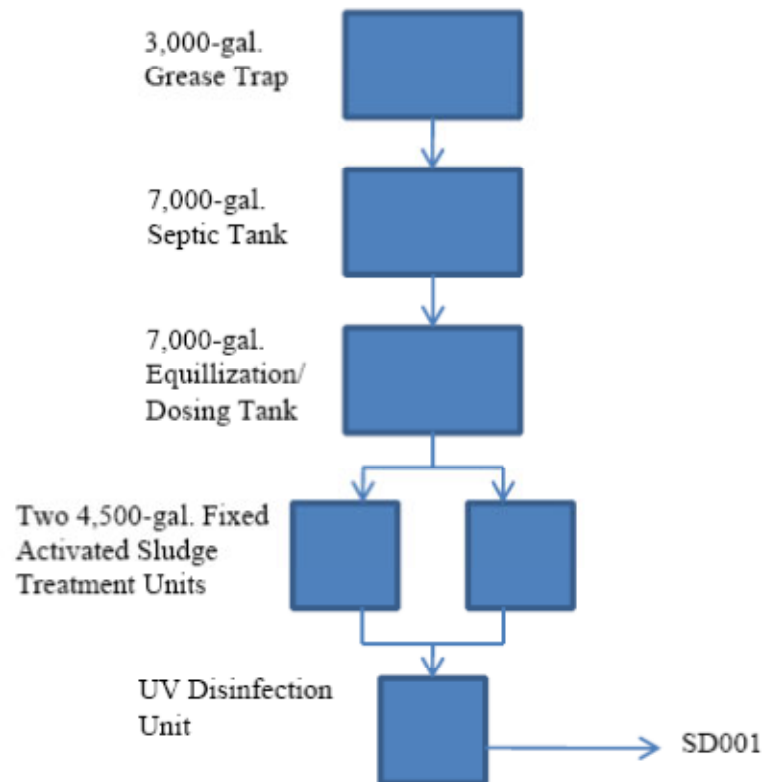


Map produced by: MPCA Staff, 3/10/10
Source: MnGeo Web Map Service
Scale: 1:6,000

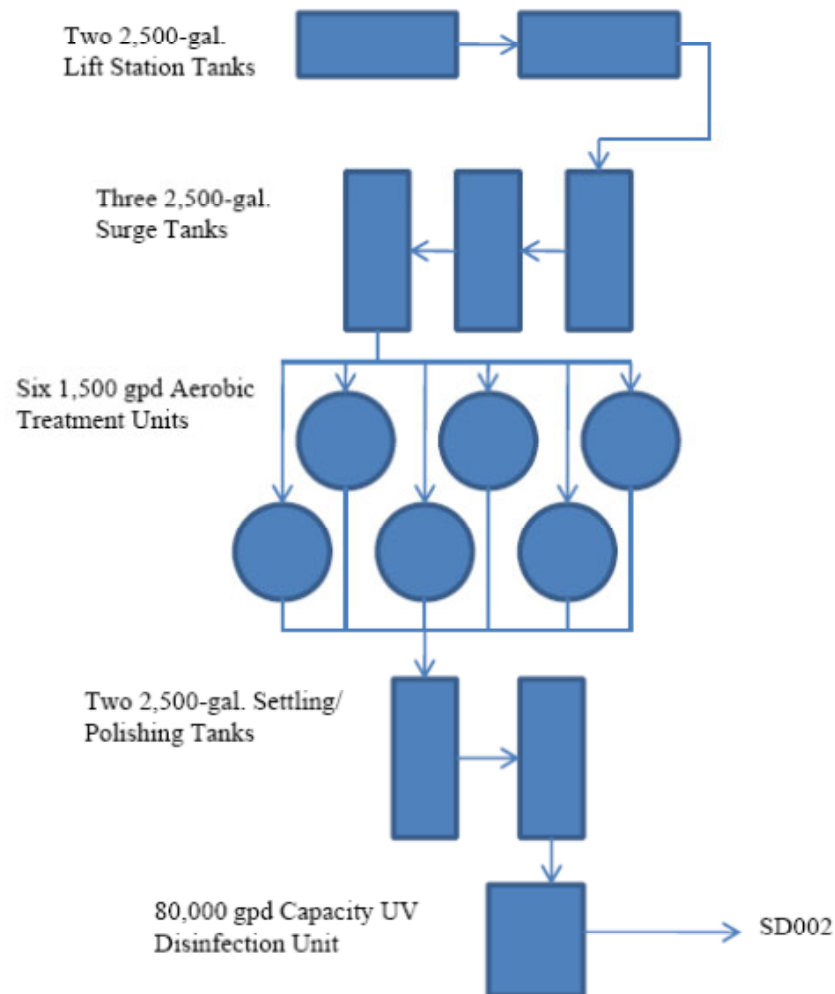
0 0.05 0.1 0.2 Miles



Forest Hills Golf and RV Resort North System



Forest Hills Golf and RV Resort South System



Summary of Stations

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<u>Station</u>	<u>Type of Station</u>	<u>Local Name</u>	<u>PLS Location</u>
SD001	Effluent To Surface Water (Monitor only during discharge)	Total Facility Discharge (North System)	NE Quarter of Section 24, Township 139 North, Range 42 West
SD002	Effluent To Surface Water (Monitor only during discharge)	Total Facility Discharge (South System)	SE Quarter of Section 24, Township 139 North, Range 42 West

Waste Stream Stations

<u>Station</u>	<u>Type of Station</u>	<u>Local Name</u>	<u>PLS Location</u>
WS001	Influent Waste (Monitor only during discharge)	Influent Waste Stream (North System)	SE Quarter of the NE Quarter of Section 24, Township 139 North, Range 42 West
WS002	Influent Waste (Monitor only during discharge)	Influent Waste Stream (South System)	SE Quarter of Section 24, Township 139 North, Range 42 West

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

SD 001

Parameter	Limit	Units	Limit Type	Effective Period	Sample Type	Frequency	Notes
BOD, Carbonaceous 05 Day (20 Deg C)	0.7371	kg/day	Calendar Month Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
BOD, Carbonaceous 05 Day (20 Deg C)	25	mg/L	Calendar Month Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
BOD, Carbonaceous 05 Day (20 Deg C)	1.179	kg/day	Maximum Calendar Week Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
BOD, Carbonaceous 05 Day (20 Deg C)	40	mg/L	Maximum Calendar Week Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
BOD, Carbonaceous 05 Day (20 Deg C) Percent Removal	85	%	Minimum Calendar Month Average	Jan-Dec	Calculation	2 x Month	
Fecal Coliform, MPN or Membrane Filter 44.5C	200	#100ml	Calendar Month Geometric Mean	Apr-Oct	Grab	2 x Month	
Flow	Monitor Only	mgd	Calendar Month Average	Jan-Dec	Measurement, Continuous	1 x Day	2
Flow	Monitor Only	mgd	Calendar Month Maximum	Jan-Dec	Measurement, Continuous	1 x Day	2
Flow	Monitor Only	MG	Calendar Month Total	Jan-Dec	Measurement, Continuous	1 x Day	2
Oxygen, Dissolved	Monitor Only	mg/L	Calendar Month Minimum	Jan-Dec	Grab	2 x Month	1
pH	9.0	SU	Calendar Month Maximum	Jan-Dec	Grab	2 x Month	1
pH	6.0	SU	Calendar Month Minimum	Jan-Dec	Grab	2 x Month	1
Phosphorus, Total (as P)	Monitor Only	kg/day	Calendar Month Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
Phosphorus, Total (as P)	Monitor Only	mg/L	Calendar Month Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
Solids, Total Suspended (TSS)	0.8845	kg/day	Calendar Month Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
Solids, Total Suspended (TSS)	30	mg/L	Calendar Month Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
Solids, Total Suspended (TSS)	1.327	kg/day	Maximum Calendar Week Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
Solids, Total Suspended (TSS)	45	mg/L	Maximum Calendar Week Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
Solids, Total Suspended (TSS) Percent Removal	85	%	Minimum Calendar Month Average	Jan-Dec	Calculation	2 x Month	

SD 002

Parameter	Limit	Units	Limit Type	Effective Period	Sample Type	Frequency	Notes
BOD, Carbonaceous 05 Day (20 Deg C)	0.9	kg/day	Calendar Month Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
BOD, Carbonaceous 05 Day (20 Deg C)	25	mg/L	Calendar Month Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
BOD, Carbonaceous 05 Day (20 Deg C)	1.45	kg/day	Maximum Calendar Week Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
BOD, Carbonaceous 05 Day (20 Deg C)	40	mg/L	Maximum Calendar Week Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
BOD, Carbonaceous 05 Day (20 Deg C) Percent Removal	85	%	Minimum Calendar Month Average	Jan-Dec	Calculation	2 x Month	
Fecal Coliform, MPN or Membrane Filter 44.5C	200	#100ml	Calendar Month Geometric Mean	Apr-Oct	Grab	2 x Month	

Limits and Monitoring Requirements

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

SD 002

Parameter	Limit	Units	Limit Type	Effective Period	Sample Type	Frequency	Notes
Flow	Monitor Only	mgd	Calendar Month Average	Jan-Dec	Measurement, Continuous	1 x Day	3
Flow	Monitor Only	mgd	Calendar Month Maximum	Jan-Dec	Measurement, Continuous	1 x Day	3
Flow	Monitor Only	MG	Calendar Month Total	Jan-Dec	Measurement, Continuous	1 x Day	3
Oxygen, Dissolved	Monitor Only	mg/L	Calendar Month Minimum	Jan-Dec	Grab	2 x Month	1
pH	9.0	SU	Calendar Month Maximum	Jan-Dec	Grab	2 x Month	1
pH	6.0	SU	Calendar Month Minimum	Jan-Dec	Grab	2 x Month	1
Phosphorus, Total (as P)	Monitor Only	kg/day	Calendar Month Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
Phosphorus, Total (as P)	Monitor Only	mg/L	Calendar Month Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
Solids, Total Suspended (TSS)	1.1	kg/day	Calendar Month Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
Solids, Total Suspended (TSS)	30	mg/L	Calendar Month Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
Solids, Total Suspended (TSS)	1.63	kg/day	Maximum Calendar Week Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
Solids, Total Suspended (TSS)	45	mg/L	Maximum Calendar Week Average	Jan-Dec	24-Hour Flow Composite	2 x Month	
Solids, Total Suspended (TSS) Percent Removal	85	%	Minimum Calendar Month Average	Jan-Dec	Calculation	2 x Month	

WS 001, WS 002

Parameter	Limit	Units	Limit Type	Effective Period	Sample Type	Frequency	Notes
BOD, Carbonaceous 05 Day (20 Deg C)	Monitor Only	mg/L	Calendar Month Average	Jan-Dec	Grab	2 x Month	
BOD, Carbonaceous 05 Day (20 Deg C)	Monitor Only	mg/L	Calendar Month Maximum	Jan-Dec	Grab	2 x Month	
pH	Monitor Only	SU	Calendar Month Maximum	Jan-Dec	Grab	2 x Month	1
pH	Monitor Only	SU	Calendar Month Minimum	Jan-Dec	Grab	2 x Month	1
Phosphorus, Total (as P)	Monitor Only	mg/L	Calendar Month Average	Jan-Dec	Grab	2 x Month	
Precipitation	Monitor Only	in	Calendar Month Total	Jan-Dec	Measurement	1 x Day	
Solids, Total Suspended (TSS)	Monitor Only	mg/L	Calendar Month Average	Jan-Dec	Grab	2 x Month	
Solids, Total Suspended (TSS)	Monitor Only	mg/L	Calendar Month Maximum	Jan-Dec	Grab	2 x Month	

Notes:

1 -- Analyze immediately.

2 -- Influent flow measurements are to be reported on the SD001 DMR. You do not need to install effluent flow meters.

3 -- Influent flow measurements are to be reported on the SD002 DMR. You do not need to install effluent flow meters.

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

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Chapter 1. Compliance Schedule

1. Compliance Related Construction Schedule

Definitions

- 1.1 "Initiation of operation" means the date that MPCA determines all components of the the wastewater treatment system are complete and functioning and the project begins operating for the purposes for which it was planned, designed, and built.
- 1.2 "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.
- 1.3 "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.

Schedule

UV Disinfection and Outfall Construction

- 1.4 The Permittee must execute the Notice to Proceed by June 1, 2011. The Permittee must submit a copy of the executed Notice to Proceed to the MPCA with 14 days after its execution.
- 1.5 The Permittee must 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 must also submit an operation and maintenance manual or a maintenance plan; or a certificate of completion of an operation and maintenance manual.
- 1.6 The Permittee must notify the MPCA in writing at least 14 days before August 31, 2011. Following MPCA staff's concurrence that the facility is adequately prepared, MPCA staff will notify the Permittee that it may initiate operation of the new or upgraded facility.
- 1.7 The Permittee must initiate operation of the facility on or before August 31, 2011. The Permittee must notify the MPCA in writing within 14 days after the actual initiation of operation date.
- 1.8 The Permittee must comply with all permit requirements and attain final limits within 90 days of the Initiation of Operation date.
- 1.9 The Permittee must notify the MPCA in writing at least 14 days before the planned completion of construction date. The MPCA may complete a final inspection.
- 1.10 The Permittee must submit the following to the MPCA within one year after the initiation of operation date:
 - 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 must include a detailed discussion of operation and controls, maintenance, sampling and analysis, problem mitigation, VOC management, personnel records and reporting, and safety. This plan must be maintained and updated regularly and made available to the MPCA staff upon request.
 - c. One copy of the as-built plans and specifications on microfiche. Full size plan sheets (24 inches x 36 inches or 22 inches x 34 inches) must be provided at 24X reduction and mounted in a white aperture card. Reduced size plan sheets (11 inches x 17 inches) must be provided at 10X reduction. The specifications must be provided at 25X reduction in five-channel, white, 6 x 4 microfilm jackets. Documents must be filmed on negative silver film.

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Chapter 1. Compliance Schedule

1. Compliance Related Construction Schedule

Flow Distribution Upgrade

- 1.11 The Permittee must submit notice to the MPCA within 14 days of the completion of installation of the new equalization tank, the distribution system, and the additional ATUs to the south wastewater treatment system.

Chapter 2. Special Requirements

1. Special Requirements

South Treatment System

- 1.1 At any time after the construction of the upgrades to the South Treatment System, if the BOD and/or TSS limits are exceeded, an application for permit modification and plans and specifications for the installation of additional treatment shall be submitted to the MPCA for review and approval.

North Treatment System

- 1.2 At any time, if 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.
- 1.3 At any time, if 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.

Chapter 3. Waste Stream Stations

1. Requirements for Specific Stations

- 1.1 WS 001, WS 002: Submit a monthly DMR by 21 days after the end of each calendar month following permit issuance.

2. Sampling Location

- 2.1 Grab and composite samples shall be collected at a point representative of total influent flow to each system.
- 2.2 Influent grab and composite samples for Station WS002 shall be collected in the sewer system prior to entering the south treatment system.
- 2.3 Influent grab and composite samples for Station WS001 shall be collected in the sewer system prior to entering the north treatment system.

Chapter 4. Surface Discharge Stations

1. Requirements for Specific Stations

- 1.1 SD 001: Submit a monthly DMR by 21 days after the end of each calendar month following permit issuance.
- 1.2 SD 002: Submit a monthly DMR by 21 days after the end of each calendar month following initiation of operation of the upgraded south treatment system.

2. Sampling Location

- 2.1 Samples for Station SD001 shall be collected from the outfall of the north treatment system.
- 2.2 Samples for Station SD002 shall be collected from the outfall of the south treatment system.

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Chapter 4. Surface Discharge Stations

2. Sampling Location

2.3 Samples and measurements required by this permit shall be representative of the monitored activity.

3. Surface Discharges

3.1 Floating solids or visible foam shall not be discharged in other than trace amounts.

3.2 Oil or other substances shall not be discharged in amounts that create a visible color film.

3.3 The Permittee shall install and maintain outlet protection measures at the discharge stations to prevent erosion.

4. Winter Sampling Conditions

4.1 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, the Permittee shall check the "No Discharge" box on the Discharge Monitoring Report (DMR) and note the ice conditions in Comments on the DMR.

5. Discharge Monitoring Reports

5.1 The Permittee shall submit monitoring results for discharges in accordance with the limits and monitoring requirements for this station. If no discharge occurred during the reporting period, the Permittee shall check the "No Discharge" box on the Discharge Monitoring Report (DMR).

Chapter 5. Phosphorus Management Plan

1. General Requirements

1.1 Phosphorus is a common constituent in many wastewater discharges and a pollutant that has the potential to negatively impact the quality of Minnesota's lakes, wetlands, rivers and streams. Therefore, phosphorus discharges are being carefully evaluated throughout the state.

The Permittee is required to complete and submit a Phosphorus Management Plan (PMP) to the MPCA as detailed in this section. If the Permittee has already submitted a PMP, the Permittee must update that PMP and submit the updated PMP to the MPCA as detailed in this section.

While the PMP does not require specific reductions at this time, the MPCA strongly encourages the Permittee to identify and eliminate/reduce sources of phosphorus to, and improve phosphorus management within, the permitted wastewater treatment facility. However, be aware that new or expanding discharges may be required to actively manage and reduce phosphorus, including complying with new or tighter phosphorus effluent limits.

For additional information about completing the PMP below, please contact the MPCA at 651-282-6143 or 800-657-3864.

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Chapter 5. Phosphorus Management Plan

1. General Requirements

- 1.2 The Permittee shall submit a Phosphorus Management Plan (PMP) or an updated PMP to the MPCA 180 days prior to permit expiration.

At a minimum, the PMP shall include the following:

- a. A summary of influent and effluent concentrations, mass loadings, and percent removal calculations using the most recent five years of monitoring data, if available.
- b. Identification of existing and potential sources of elevated phosphorus concentrations and/or loading to the facility. As appropriate for the facility, consider residential, institutional, municipal, and commercial sources.
- c. An evaluation of past and present WWTF operations to determine those operating procedures that maximize phosphorus removal.
- d. A summary of any phosphorus reduction activities implemented during the last five years.
- e. Phosphorus management and reduction goals for the next five years using the information collected in A through D above.
- f. A plan to implement phosphorus management and reduction measures during the next five years.

Chapter 6. Domestic Wastewater -- Mechanical System

1. Bypass Structures

- 1.1 All structures capable of bypassing the treatment system shall be manually controlled and kept locked at all times.

2. Sanitary Sewer Extension Permit

- 2.1 The Permittee may be required to obtain a Sanitary Sewer Extension Permit from the MPCA prior to the start of construction of any addition, extension or replacement to the sanitary sewer. If a sewer extension permit is required, no construction of any part of the system may begin until that permit has been issued.

3. Operator Certification

- 3.1 The Permittee shall provide a Class C state certified operator who is in direct responsible charge of the operation, maintenance and testing functions required to ensure compliance with the terms and conditions of this permit.
- 3.2 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 the certified operator's name, certificate number, company name if appropriate, the period covered by the contract and provisions for renewal; the duties and responsibilities of the certified operator; the duties and responsibilities of the permittee; and provisions for notifying the MPCA 30 days in advance of termination if the contract is terminated prior to the expiration date.
- 3.3 The Permittee shall notify the MPCA within 30 days of a change in operator certification or contract status.

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Chapter 7. Domestic Wastewater -- Septic Tanks

1. Septic Tank Maintenance

- 1.1 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.
- 1.2 The owner of a septic tank or tanks or the owner's agent must 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 must be removed through the maintenance hole.
- 1.3 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 at the facility that indicates the dates that the effluent screens are inspected, removed and cleaned.
- 1.4 Tanks that are not specifically covered under the Limits & Monitoring section of this permit shall be inspected at least every three years and pumped as necessary.

Chapter 8. Biosolids / Septage Transfer

1. Reporting Requirements

- 1.1 The solids removed from the ATUs and any and all tanks following those treatment units shall be treated as biosolids according to this chapter.
- 1.2 The solids removed from the Micro-FAST treatment unit and the UV chamber and any and all tanks after those units in the North System shall be treated as biosolids according to this chapter.
- 1.3 If, during any cropping year, biosolids were transferred, or not land applied, the Permittee shall submit a Biosolids Annual Report by December 31 following the end of the cropping year. The report shall state that biosolids were not land applied, how much was generated, and where they were transferred to.
- 1.4 The Permittee shall submit the Biosolids Annual Report to:

Biosolids Coordinator
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Chapter 9. Total Facility Requirements

1. General Requirements

General Requirements

- 1.1 Incorporation by Reference. The following applicable federal and state laws are incorporated by reference in this permit, are applicable to the Permittee, and are enforceable parts of this permit: 40 CFR pts. 122.41, 122.42, 136, 403 and 503; Minn. R. pts. 7001, 7041, 7045, 7050, 7052, 7053, 7060, and 7080; and Minn. Stat. Sec. 115 and 116.
- 1.2 Permittee Responsibility. The Permittee shall perform the actions or conduct the activity authorized by the permit in compliance with the conditions of the permit and, if required, in accordance with the plans and specifications approved by the Agency. (Minn. R. 7001.0150, subp. 3, item E)

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Chapter 9. Total Facility Requirements

1. General Requirements

- 1.3 Toxic Discharges Prohibited. Whether or not this permit includes effluent limitations for toxic pollutants, the Permittee shall not discharge a toxic pollutant except according to Code of Federal Regulations, Title 40, sections 400 to 460 and Minnesota Rules 7050, 7052, 7053 and any other applicable MPCA rules. (Minn. R. 7001.1090, subp.1, item A)
- 1.4 Nuisance Conditions Prohibited. The Permittee's discharge shall not cause any nuisance conditions including, but not limited to: floating solids, scum and visible oil film, acutely toxic conditions to aquatic life, or other adverse impact on the receiving water. (Minn. R. 7050.0210 subp. 2)
- 1.5 Property Rights. This permit does not convey a property right or an exclusive privilege. (Minn. R. 7001.0150, subp. 3, item C)
- 1.6 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, item O)
- 1.7 The MPCA's issuance of this permit does not obligate the MPCA to enforce local laws, rules, or plans beyond what is authorized by Minnesota Statutes. (Minn. R. 7001.0150, subp.3, item D)
- 1.8 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, item A)
- 1.9 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, item B)
- 1.10 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.
- 1.11 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.
- 1.12 Inspection and Entry. When authorized by Minn. Stat. Sec. 115.04; 115B.17, subd. 4; and 116.091, and upon presentation of proper credentials, the agency, or an authorized employee or agent of the agency, shall be allowed by the Permittee to enter at reasonable times upon the property of the Permittee to examine and copy books, papers, records, or memoranda pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit; and to conduct surveys and investigations, including sampling or monitoring, pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit. (Minn. R. 7001.0150, subp.3, item I)
- 1.13 Control Users. The Permittee shall regulate the users of its wastewater treatment facility so as to prevent the introduction of pollutants or materials that may result in the inhibition or disruption of the conveyance system, treatment facility or processes, or disposal system that would contribute to the violation of the conditions of this permit or any federal, state or local law or regulation.

Sampling

- 1.14 Representative Sampling. Samples and measurements required by this permit shall be conducted as specified in this permit and shall be representative of the discharge or monitored activity. (40 CFR 122.41 (j)(1))

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Chapter 9. Total Facility Requirements

1. General Requirements

- 1.15 Additional Sampling. If the Permittee monitors more frequently than required, the results and the frequency of monitoring shall be reported on the Discharge Monitoring Report (DMR) or another MPCA-approved form for that reporting period. (Minn. R. 7001.1090, subp. 1, item E)
- 1.16 Certified Laboratory. A laboratory certified by the Minnesota Department of Health shall conduct analyses required by this permit. Analyses of dissolved oxygen, pH, temperature and total residual oxidants (chlorine, bromine) do not need to be completed by a certified laboratory but shall comply with manufacturers specifications for equipment calibration and use. (Minn. Stat. Sec. 144.97 through 144.98 and Minn. R. 4740.2010 and 4740.2050 through 4740.2120) (Minn. R. 4740.2010 and 4740.2050 through 2120)
- 1.17 Sample Preservation and Procedure. Sample preservation and test procedures for the analysis of pollutants shall conform to 40 CFR Part 136 and Minn. R. 7041.3200.
- 1.18 Equipment Calibration: Flow meters, pumps, flumes, lift stations or other flow monitoring equipment used for purposes of determining compliance with permit shall be checked and/or calibrated for accuracy at least twice annually. (Minn. R. 7001.0150, subp. 2, items B and C)
- 1.19 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 (Minn. R. 7001.0150, subp. 2, item C):
- 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; and
 - d. The analytical techniques, procedures and methods used; and
 - e. The results of the analysis.
- 1.20 Completing Reports. The Permittee shall submit the results of the required sampling and monitoring activities on the forms provided, specified, or approved by the MPCA. The information shall be recorded in the specified areas on those forms and in the units specified. (Minn. R. 7001.1090, subp. 1, item D; Minn. R. 7001.0150, subp. 2, item B)

Required forms may include:

DMR Supplemental Form

Individual values for each sample and measurement must be recorded on the DMR Supplemental Form which, if required, will be provided by the MPCA. DMR Supplemental Forms shall be submitted with the appropriate DMRs. You may design and use your own supplemental form; however it must be approved by the MPCA.

Note: Required summary information **MUST** also be recorded on the DMR. Summary information that is submitted **ONLY** on the DMR Supplemental Form does not comply with the reporting requirements.

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Chapter 9. Total Facility Requirements

1. General Requirements

1.21 Submitting Reports. DMRs and DMR Supplemental Forms shall be submitted to:

MPCA
Attn: Discharge Monitoring Reports
520 Lafayette Road North
St. Paul, Minnesota 55155-4194.

DMRs and DMR Supplemental Forms shall be postmarked by the 21st day of the month following the sampling period or as otherwise specified in this permit. A DMR shall be submitted for each required station even if no discharge occurred during the reporting period. (Minn. R. 7001.0150, subps. 2.B and 3.H)

Other reports required by this permit shall be postmarked by the date specified in the permit to:

MPCA
Attn: WQ Submittals Center
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

1.22 Incomplete or Incorrect Reports. The Permittee shall immediately submit an amended report or DMR to the MPCA upon discovery by the Permittee or notification by the MPCA that it has submitted an incomplete or incorrect report or DMR. The amended report or DMR shall contain the missing or corrected data along with a cover letter explaining the circumstances of the incomplete or incorrect report. (Minn. R. 7001.0150 subp. 3, item G)

1.23 Required Signatures. All DMRs, forms, reports, and other documents submitted to the MPCA shall be signed by the Permittee or the duly authorized representative of the Permittee. Minn. R. 7001.0150, subp. 2, item D. The person or persons that sign the DMRs, forms, reports or other documents must certify that he or she understands and complies with the certification requirements of Minn. R. 7001.0070 and 7001.0540, including the penalties for submitting false information. Technical documents, such as design drawings and specifications and engineering studies required to be submitted as part of a permit application or by permit conditions, must be certified by a registered professional engineer. (Minn. R. 7001.0540)

1.24 Detection Level. The Permittee shall report monitoring results below the reporting limit (RL) of a particular instrument as "<" the value of the RL. For example, if an instrument has a RL of 0.1 mg/L and a parameter is not detected at a value of 0.1 mg/L or greater, the concentration shall be reported as "<0.1 mg/L." "Non-detected," "undetected," "below detection limit," and "zero" are unacceptable reporting results, and are permit reporting violations. (Minn. R. 7001.0150, subp. 2, item B)

Where sample values are less than the level of detection and the permit requires reporting of an average, the Permittee shall calculate the average as follows:

- a. If one or more values are greater than the level of detection, substitute zero for all nondetectable values to use in the average calculation.
- b. If all values are below the level of detection, report the averages as "<" the corresponding level of detection.
- c. Where one or more sample values are less than the level of detection, and the permit requires reporting of a mass, usually expressed as kg/day, the Permittee shall substitute zero for all nondetectable values. (Minn. R. 7001.0150, subp. 2, item B)

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Chapter 9. Total Facility Requirements

1. General Requirements

- 1.25 Records. The Permittee shall, when requested by the Agency, submit within a reasonable time the information and reports that are relevant to the control of pollution regarding the construction, modification, or operation of the facility covered by the permit or regarding the conduct of the activity covered by the permit. (Minn. R. 7001.0150, subp. 3, item H)
- 1.26 Confidential Information. Except for data determined to be confidential according to Minn. Stat. Sec. 116.075, subd. 2, all reports required by this permit shall be available for public inspection. Effluent data shall not be considered confidential. To request the Agency maintain data as confidential, the Permittee must follow Minn. R. 7000.1300.

Noncompliance and Enforcement

- 1.27 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. Sec. 115.071 and 116.072, including monetary penalties, imprisonment, or both. (Minn. R. 7001.1090, subp. 1, item B)
- 1.28 Criminal Activity. The Permittee may not knowingly make a false statement, representation, or certification in a record or other document submitted to the Agency. A person who falsifies a report or document submitted to the Agency, or tampers with, or knowingly renders inaccurate a monitoring device or method required to be maintained under this permit is subject to criminal and civil penalties provided by federal and state law. (Minn. R. 7001.0150, subp.3, item G., 7001.1090, subps. 1, items G and H and Minn. Stat. Sec. 609.671)
- 1.29 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))
- 1.30 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. Violations that are determined to pose a threat to human health or a drinking water supply, or represent a significant risk to the environment shall be immediately reported to the Minnesota Department of Public Safety Duty Officer at 1(800)422-0798 (toll free) or (651)649-5451 (metro area). In addition, you may also contact the MPCA during business hours. Otherwise the violations and the results of any additional sampling shall be recorded on the next appropriate DMR or report.
- 1.31 Unauthorized Releases of Wastewater Prohibited. Except for conditions specifically described in Minn. R. 7001.1090, subp. 1, items J and K, all unauthorized bypasses, overflows, discharges, spills, or other releases of wastewater or materials to the environment, whether intentional or not, are prohibited. However, the MPCA will consider the Permittee's compliance with permit requirements, frequency of release, quantity, type, location, and other relevant factors when determining appropriate action. (40 CFR 122.41 and Minn. Stat. Sec 115.061)

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Chapter 9. Total Facility Requirements

1. General Requirements

1.32 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 1(800)422-0798 (toll free) or (651)649-5451 (metro area) immediately upon discovery of the release. In addition, you may also contact the MPCA during business hours at 1(800) 657-3864.
- c. Recover as rapidly and as thoroughly as possible all substances and materials released or immediately take other action as may be reasonably possible to minimize or abate pollution to waters of the state or potential impacts to human health caused thereby. If the released materials or substances cannot be immediately or completely recovered, the Permittee shall contact the MPCA. If directed by the MPCA, the Permittee shall consult with other local, state or federal agencies (such as the Minnesota Department of Natural Resources and/or the Wetland Conservation Act authority) for implementation of additional clean-up or remediation activities in wetland or other sensitive areas.
- d. Collect representative samples of the release. The Permittee shall sample the release for parameters of concern immediately following discovery of the release. The Permittee may contact the MPCA during business hours to discuss the sampling parameters and protocol. In addition, Fecal Coliform Bacteria samples shall be collected where it is determined by the Permittee that the release contains or may contain sewage. If the release cannot be immediately stopped, the Permittee shall consult with MPCA regarding additional sampling requirements. Samples shall be collected at least, but not limited to, two times per week for as long as the release continues.
- e. Submit the sampling results as directed by the MPCA. At a minimum, the results shall be submitted to the MPCA with the next DMR.

1.33 Upset Defense. In the event of temporary noncompliance by the Permittee with an applicable effluent limitation resulting from an upset at the Permittee's facility due to factors beyond the control of the Permittee, the Permittee has an affirmative defense to an enforcement action brought by the Agency as a result of the noncompliance if the Permittee demonstrates by a preponderance of competent evidence:

- a. The specific cause of the upset;
- b. That the upset was unintentional;
- c. That the upset resulted from factors beyond the reasonable control of the Permittee and did not result from operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or increases in production which are beyond the design capability of the treatment facilities;
- d. That at the time of the upset the facility was being properly operated;
- e. That the Permittee properly notified the Commissioner of the upset in accordance with Minn. R. 7001.1090, subp. 1, item I; and
- f. That the Permittee implemented the remedial measures required by Minn. R. 7001.0150, subp. 3, item J.

Operation and Maintenance

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Chapter 9. Total Facility Requirements

1. General Requirements

- 1.34 The Permittee shall at all times properly operate and maintain the facilities and systems of treatment and control, and the appurtenances related to them which are installed or used by the Permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. The Permittee shall install and maintain appropriate backup or auxiliary facilities if they are necessary to achieve compliance with the conditions of the permit and, for all permits other than hazardous waste facility permits, if these backup or auxiliary facilities are technically and economically feasible Minn. R. 7001.0150. subp. 3, item F.
- 1.35 In the event of a reduction or loss of effective treatment of wastewater at the facility, the Permittee shall control production or curtail its discharges to the extent necessary to maintain compliance with the terms and conditions of this permit. The Permittee shall continue this control or curtailment until the wastewater treatment facility has been restored or until an alternative method of treatment is provided. (Minn. R. 7001.1090, subp. 1, item C)
- 1.36 Solids Management. The Permittee shall properly store, transport, and dispose of biosolids, septage, sediments, residual solids, filter backwash, screenings, oil, grease, and other substances so that pollutants do not enter surface waters or ground waters of the state. Solids should be disposed of in accordance with local, state and federal requirements. (40 CFR 503 and Minn. R. 7041 and applicable federal and state solid waste rules)
- 1.37 Scheduled Maintenance. The Permittee shall schedule maintenance of the treatment works during non-critical water quality periods to prevent degradation of water quality, except where emergency maintenance is required to prevent a condition that would be detrimental to water quality or human health. (Minn. R. 7001.0150. subp. 3, item F and Minn. R. 7001.0150. subp. 2, item B)
- 1.38 Control Tests. In-plant control tests shall be conducted at a frequency adequate to ensure compliance with the conditions of this permit. (Minn. R. 7001.0150. subp. 3, item F and Minn. R. 7001.0150. subp. 2, item B)

Changes to the Facility or Permit

- 1.39 Permit Modifications. No person required by statute or rule to obtain a permit may construct, install, modify, or operate the facility to be permitted, nor shall a person commence an activity for which a permit is required by statute or rule until the Agency has issued a written permit for the facility or activity. (Minn. R. 7001.0030)

Permittees that propose to make a change to the facility or discharge that requires a permit modification must follow Minn. R. 7001.0190. If the Permittee cannot determine whether a permit modification is needed, the Permittee must contact the MPCA prior to any action. It is recommended that the application for permit modification be submitted to the MPCA at least 180 days prior to the planned change.

- 1.40 Construction. No construction shall begin until the Permittee receives written approval of plans and specifications from the MPCA (Minn. Stat. Sec. 115.03(f)).

Plans, specifications and MPCA approval are not necessary when maintenance dictates the need for installation of new equipment, provided the equipment is the same design size and has the same design intent. For instance, a broken pipe, lift station pump, aerator, or blower can be replaced with the same design-sized equipment without MPCA approval.

If the proposed construction is not expressly authorized by this permit, it may require a permit modification. If the construction project requires an Environmental Assessment Worksheet under Minn. R. 4410, no construction shall begin until a negative declaration is issued and all approvals are received or implemented.

- 1.41 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, item M)

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Chapter 9. Total Facility Requirements

1. General Requirements

- 1.42 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 increased or new use of a chemical additive at least 60 days, or as soon as possible, before the proposed increased or new use.

This written request shall include at least the following information for the proposed additive:

- a. The process for which the additive will be used;
- b. Material Safety Data Sheet (MSDS) which shall include aquatic toxicity, human health, and environmental fate information for the proposed additive;
- c. A complete product use and instruction label;
- d. The commercial and chemical names and Chemical Abstract Survey (CAS) number for all ingredients in the additive (If the MSDS does not include information on chemical composition, including percentages for each ingredient totaling to 100%, the Permittee shall contact the supplier to have this information provided); and
- e. The proposed method of application, application frequency, concentration, and daily average 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 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)

- 1.43 MPCA Initiated Permit Modification, Suspension, or Revocation. The MPCA may modify or revoke and reissue this permit pursuant to Minn. R. 7001.0170. The MPCA may revoke without reissuance this permit pursuant to Minn. R. 7001.0180.
- 1.44 TMDL Impacts. Facilities that discharge to an impaired surface water, watershed or drainage basin may be required to comply with additional permits or permit requirements, including additional restriction or relaxation of limits and monitoring as authorized by the CWA 303(d)(4)(A) and 40 CFR 122.44.1.2.i., necessary to ensure consistency with the assumptions and requirements of any applicable US EPA approved wasteload allocations resulting from Total Maximum Daily Load (TMDL) studies.
- 1.45 Permit Transfer. The permit is not transferable to any person without the express written approval of the Agency after compliance with the requirements of Minn. R. 7001.0190. A person to whom the permit has been transferred shall comply with the conditions of the permit. (Minn. R., 7001.0150, subp. 3, item N)

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Chapter 9. Total Facility Requirements

1. General Requirements

- 1.46 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 to the MPCA a facility Closure Plan for approval.

Facility closure that could result in a potential long-term water quality concern, such as the ongoing discharge of wastewater to surface or ground water, may require a permit modification or reissuance.

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 financial assurance is required, the amount and type of financial assurance, and proposed modifications to previously MPCA-approved financial assurance, shall be approved by the MPCA. (Minn. Stat. Sec. 116.07, subd. 4)

- 1.47 Permit Reissuance. If the Permittee desires to continue permit coverage beyond the date of permit expiration, the Permittee shall submit an application for reissuance at least 180 days before permit expiration. If the Permittee does not intend to continue the activities authorized by this permit after the expiration date of this permit, the Permittee shall notify the MPCA in writing at least 180 days before permit expiration.

If the Permittee has submitted a timely application for permit reissuance, the Permittee may continue to conduct the activities authorized by this permit, in compliance with the requirements of this permit, until the MPCA takes final action on the application, unless the MPCA determines any of the following (Minn. R. 7001.0040 and 7001.0160):

- a. The Permittee is not in substantial compliance with the requirements of this permit, or with a stipulation agreement or compliance schedule designed to bring the Permittee into compliance with this permit;
- b. The MPCA, as a result of an action or failure to act by the Permittee, has been unable to take final action on the application on or before the expiration date of the permit;
- c. The Permittee has submitted an application with major deficiencies or has failed to properly supplement the application in a timely manner after being informed of deficiencies.