

**State Disposal System**

**MN0068217**

**Permittee:** Tii Gavo Community Association, Inc.  
**Facility name:** Tii Gavo on Big Marine Lake Wastewater Treatment Facility  
**City:** Scandia **County:** Washington  
**Issuance date:** February 1, 2018  
**Expiration date:** January 31, 2028  
**Modification 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 the U.S. Clean Water Act, Minnesota statutes and rules, and federal laws and regulations.

Although this permit is effective on the modification date identified above, the limits and monitoring requirements are not effective until XX/01/XXXX. This permit is effective on the modification date identified above. This permit expires at midnight on the expiration date identified above.

*Signature:* [Type e-Signature]

*This document has been electronically signed.*

*for the Minnesota Pollution Control Agency*

Benjamin Carlson-Stehlin, P.E.  
Supervisor  
Metro Regional and Infrastructure Financing Unit  
Municipal Division

## Resources

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

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

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

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

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

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

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

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

## Table of Contents

	Page
1. Permitted facility description.....	4
2. Location map of permitted facility.....	5
3. Existing facility flow diagram .....	6
4. Summary of stations and station locations.....	8
5. Permit requirements.....	9
6. Submittal action summary .....	24
7. Limits and monitoring.....	26

DRAFT

## 1. Permitted facility description

The Tii Gavo on Big Marine Lake Wastewater Treatment Facility (facility) is located at Meadowridge Lane Circle North, Scandia, Minnesota 55047, Washington County.

### Existing Facility

The existing facility discharges from WS 002 to land via drainfield. The facility is a Class C.

The facility is designed to treat:

- an average wet weather (AWW) flow of 0.0131 million gallons per day (mgd)
- five-day biochemical oxygen demand (BOD<sub>5</sub>) of 200 milligrams per liter (mg/L) at AWW flow
- total suspended solids (TSS) of 225 mg/L at AWW flow
- ammonia nitrogen of 30 mg/L at AWW flow

The facility consists of two 26,250-gallon compartmentalized septic tanks (with effluent filters in the last tank), one 8,438-gallon denitrification tank with carbon source addition, one 7,500-gallon recirculation tank, one 3,300-square-foot recirculating gravel filter, one 10,000-gallon dosing tank, and six drip dispersal zones totaling 33,120 square feet of infiltrative surface with an additional 11,040 square feet for reserve drainfield area.

### Proposed Facility

The proposed facility discharges from WS 002 to land via drainfield. The facility is a Class C.

The facility is designed to treat:

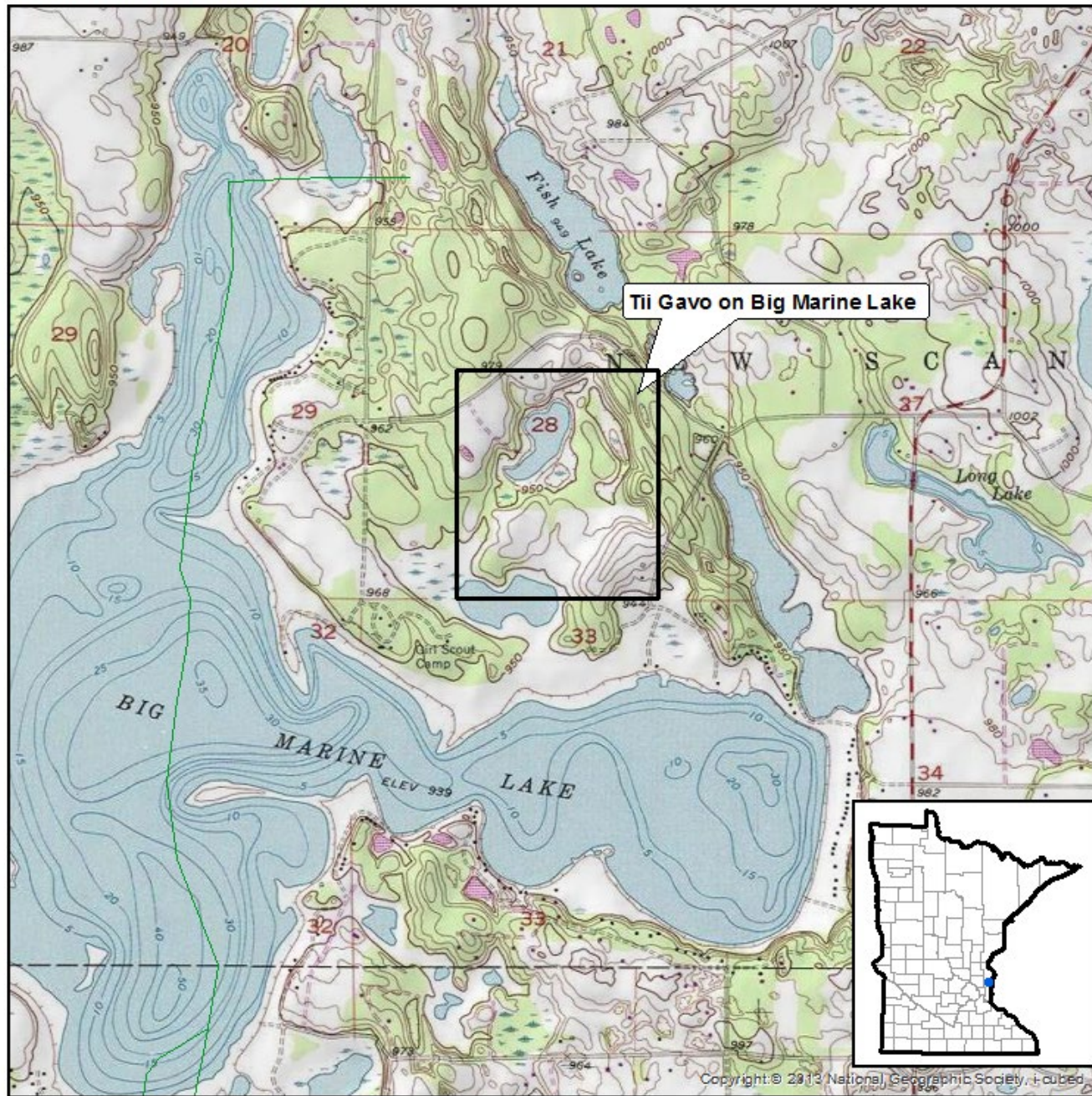
- an AWW flow of 0.0131 mgd
- BOD<sub>5</sub> of 300 mg/L at AWW flow
- TSS of 225 mg/L at AWW flow
- ammonia nitrogen of 70 mg/L at AWW flow

The facility consists of two 26,250-gallon compartmentalized septic tanks (with effluent filters in the last tank), an 8,438-gallon and a 7,500-gallon flow equalization tank connected for a combined volume of 15,938 gallons, a 6,010-gallon pre-anoxic moving bed bioreactor (MBBR) tank with carbon source addition, two 4,200-gallon aerobic MBBR tanks in series with regenerative blowers, a compartmentalized 6,000-gallon tank comprised of a 3,000-gallon swing post-anoxic MBBR chamber with carbon source addition and a 3,000-gallon clarifier chamber, a 6,010-gallon secondary clarifier tank with effluent filters, one 10,000-gallon dosing tank, and four mound cells totaling 12,240 square feet of distribution media with adequate additional reserve drainfield area set aside. Each mound cell is comprised of three zones that each receive equal dose volumes via an auto-distributing valve.

2. Location map of permitted facility

**Topographic Map of Permitted Facility**

MN0068217: Tii Gavo on Big Marine Lake WWTF  
T23N, R20W, Section 28  
Scandia, Washington County, Minnesota

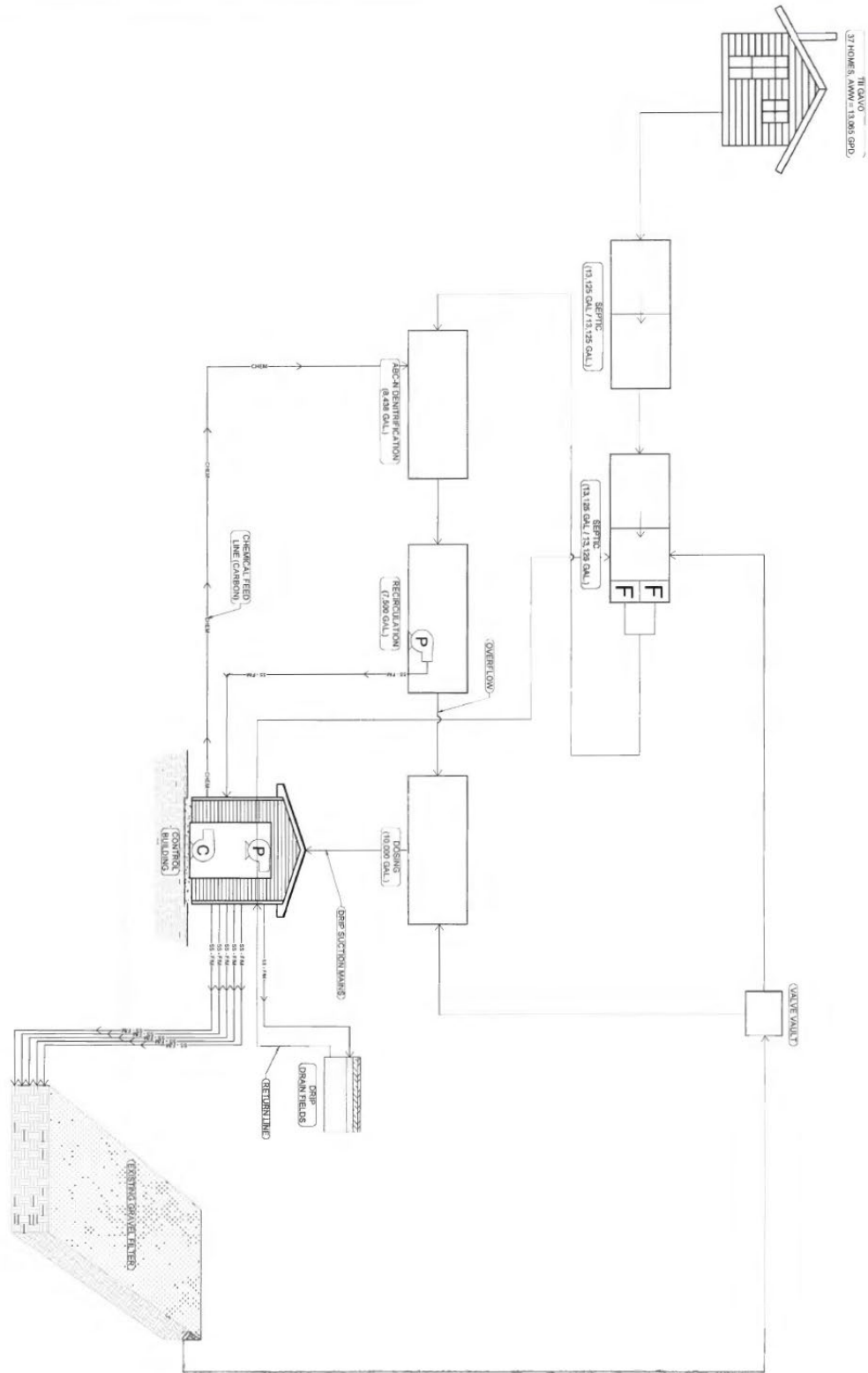


Map produced by: MPCA Staff, 9/20/2017  
Main Map Scale: 1:24,000

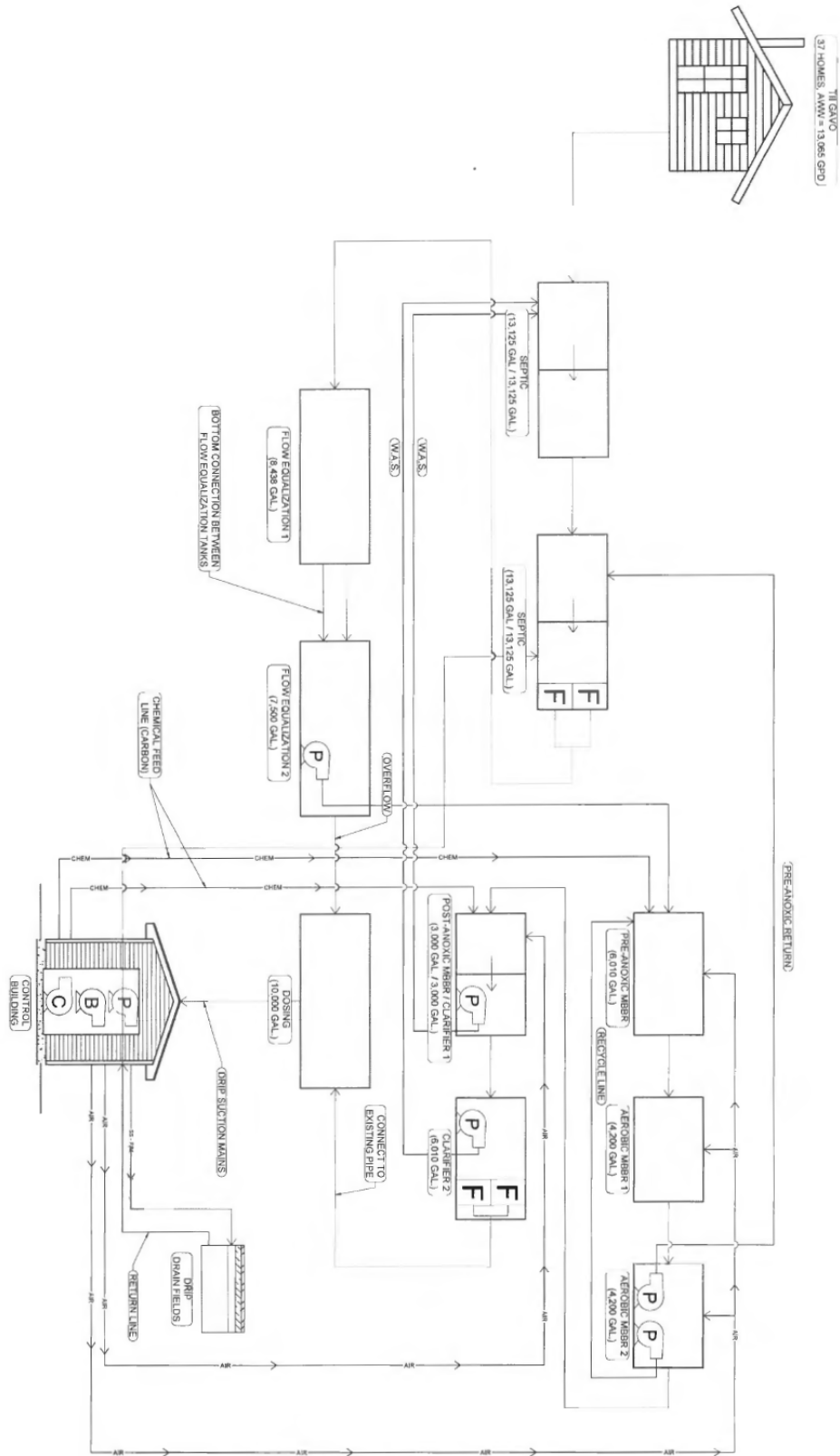
0 0.25 0.5 1Miles



3. Existing facility flow diagram



Proposed facility flow diagram



**4. Summary of stations and station locations**

<b>Station</b>	<b>Type of station</b>	<b>Local name</b>	<b>PLS location</b>
WS 001	Influent Waste	Influent Waste Stream	T32N, R20W, S28, SW Quarter of the SE Quarter
WS 002	Intermediate: WW to Land	Effluent to Drainfield	T32N, R20W, S28, SW Quarter of the SE Quarter
WS 004	Internal Waste Stream	Septic Tank Monitoring	T32N, R20W, S28, SW Quarter of the SE Quarter

DRAFT

5. Permit requirements

<b>WS 001</b>	<b>Influent Waste</b>	
		<b>Waste Stream: Large Subsurface Sewage Treatment System Influent Monitoring Requirements</b>
	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 representative of total facility influent flow. [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)]
<b>WS 002</b>	<b>Intermediate: WW to Land</b>	
		<b>Waste Stream: Large Subsurface Sewage Treatment System End-of-Pipe Requirements</b>
	5.2.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2.2	Sampling Location. [Minn. R. 7001.0150, Subp. 2(B)]
	5.2.3	Samples for Station WS 002 shall be taken at a point representative of total facility effluent to drainfields. [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)]
<b>WS 004</b>	<b>Internal Waste Stream</b>	
		<b>Waste Stream: Drainfield Septic Tank Requirements</b>
	5.3.1	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)]
	5.3.2	Sampling Location. [Minn. R. 7001.0150, Subp. 2(B)]
	5.3.3	Samples for Station WS 004 shall be taken at the last septic tank in the series. [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)]
<b>MN0068217</b>	<b>Tii Gavo on Big Marine Lake WWTP</b>	
		<b>Waste Stream Station General Requirements</b>
	5.4.1	Analysis Requirements. [Minn. R. 7001]
	5.4.2	Dissolved Oxygen, pH, Specific Conductance, Temperature and Total Residual Chlorine analyses shall be conducted within 15 minutes of Sample collection. [Minn. R. 7053]

5.4.3	Representative Samples. [Minn. R. 7001]
5.4.4	Grab and composite samples shall be collected at a point representative of total influent flow to the system. [Minn. R. 7001]
5.4.5	Nitrogen Limits and Monitoring Requirements. [Minn. R. 7001]
5.4.6	"Total Nitrogen" is to be reported as the summation of the Total Kjeldahl Nitrogen and Total Nitrite plus Nitrate Nitrogen values. [Minn. R. 7001]
	<b>Compliance Construction Schedule</b>
5.5.7	<b>Definitions.</b> [Minn. R. 7001]
5.5.8	"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. [State Definitions]
5.5.9	"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. [State Definitions]
5.5.10	"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. [State Definitions]
5.5.11	<b>Scope.</b> [Minn. R. 7001]
5.5.12	This schedule covers "phase 1" of planned construction at the facility. Phase 1 includes all mandatory construction required to bring the facility into compliance with the end-of-pipe total nitrogen limit of 10.0 mg/L at station WS 002. [Minn. R. 7001]
5.5.13	<b>Schedule.</b> [Minn. R. 7001]
5.5.14	<b>Submit Notice to Proceed.</b> The Permittee shall submit a copy of the executed notice to proceed: Due 14 calendar days after Executed Notice to Proceed Date. [Minn. R. 7001]
5.5.15	<b>Submit O&amp;M Manual.</b> The Permittee shall submit an operation and maintenance (O&M) manual or a maintenance plan; or a certificate of completion of an operation and maintenance manual to the MPCA in writing at least 60 days before the planned initiation of operation. The Permittee shall submit operation and maintenance manual: Due 60 calendar days before Initiate Operation Date. [Minn. R. 7001]
5.5.16	<b>Submit Notice of Intent to Initiate Operation.</b> 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. The Permittee shall submit notice of intent to initiate operation: Due 14 calendar days before Initiate Operation Date. [Minn. R. 7001]
5.5.17	<b>Submit Notice to Complete Construction.</b> The Permittee shall submit notice of completion of construction: Due 14 calendar days before Construction Complete Date. [Minn. R. 7001]
5.5.18	<b>Complete Construction and Initiate Operation.</b> By February 1, 2027, the Permittee shall complete construction and initiate operation of the proposed facility. The Permittee shall initiate operation: Due 02/01/2027. [Minn. R. 7001]
5.5.19	<b>Attain Compliance with Final Limits.</b> The Permittee shall attain compliance with the total nitrogen (as N) limit of 10.0 mg/L at station WS 002. The Permittee shall attain compliance with final limits: Due 90 calendar days after Initiate Operation Date. [Minn. R. 7001]

5.5.20	<p><b>Submit Final Technical Documents.</b> The Permittee shall submit final technical documents: Due 365 calendar days after Initiate Operation Date. The documents shall include the following:</p> <p>A. A certification on a form specified, or approved by, the MPCA that is signed by a professional engineer registered in the state of Minnesota stating that the project meets the performance standards;</p> <p>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 MPCA staff upon request;</p> <p>C. 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 factsheet can be found on the MPCA's website at <a href="https://www.pca.state.mn.us/business-with-us/engineering-and-technical-information-for-construction-or-expansion">https://www.pca.state.mn.us/business-with-us/engineering-and-technical-information-for-construction-or-expansion</a>;</p> <p>D. If the facility is an LSTS system, 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 MPCA staff. [Minn. R. 7001]</p>
	<b>Voluntary Construction Schedule</b>
5.6.46	<b>Scope.</b> [Minn. R. 7001]
5.6.47	This schedule covers "phase 2" of planned construction at the facility. Phase 2 consists of voluntary construction only. Voluntary construction consists of abandonment of the six drip dispersal zones and installation of four mound treatment systems. [Minn. R. 7001]
5.6.48	<b>Schedule.</b> [Minn. R. 7001]
5.6.49	<b>Submit Notice to Proceed.</b> The Permittee shall submit a copy of the Notice to Proceed to the MPCA within 14 days of its execution. [Minn. R. 7001]
5.6.50	<b>Submit O&amp;M Manual.</b> The Permittee shall submit an operation and maintenance (O&M) manual or a maintenance plan or a certificate of completion of an operation and maintenance manual at least 60 days before the planned initiation of operation. [Minn. R. 7001]
5.6.51	<b>Submit Notice of Intent to Initiate Operation.</b> 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]
5.6.52	<b>Submit Initiation of Operation Date.</b> The Permittee shall notify the MPCA in writing within 14 days after the actual initiation of operation date. [Minn. R. 7001]
5.6.53	<b>Submit Notice to Complete Construction.</b> 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]

5.6.54	<p><b>Submit Final Technical Documents.</b> The Permittee shall submit the following to the MPCA within one year after the initiation of operation date:</p> <p>A. A certification on a form specified, or approved by, the MPCA that is signed by a professional engineer registered in the state of Minnesota stating that the project meets the performance standards;</p> <p>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 MPCA staff upon request;</p> <p>C. 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 factsheet can be found on the MPCA's website at <a href="https://www.pca.state.mn.us/business-with-us/engineering-and-technical-information-for-construction-or-expansion">https://www.pca.state.mn.us/business-with-us/engineering-and-technical-information-for-construction-or-expansion</a>;</p> <p>D. If the facility is an LSTS system, 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 MPCA staff. [Minn. R. 7001]</p>
	<p><b>Large Subsurface Treatment System (LSTS)</b></p>
5.7.70	<p>Unauthorized Discharge. [Minn. R. 7001]</p>
5.7.71	<p>There shall be no unauthorized discharge to the ground surface or surface water from these facilities. [Minn. R. 7001.0030]</p>
5.7.72	<p>Prohibitions. [Minn. R. 7001]</p>
5.7.73	<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>
5.7.74	<p>Sanitary Sewer Extension Permit. [Minn. R. 7001]</p>
5.7.75	<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>
5.7.76	<p>Operator Certification. [Minn. R. 7001]</p>
5.7.77	<p>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. In addition, the certified operator shall maintain a current Service Provider Certification. [Minn. R. 9400]</p>
5.7.78	<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 the certified operator's name, certificate number, service provider certification 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. [Minn. R. 9400]</p>
5.7.79	<p>The Permittee shall notify the MPCA within 30 days of a change in operator certification or contract status. [Minn. R. 9400]</p>

5.7.80	Special Requirements. [Minn. R. 7001]
5.7.81	Special Condition - Update O & M Manual. [Minn. R. 7001]
5.7.82	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)]
5.7.83	Facility Maintenance. [Minn. R. 7001]
5.7.84	The facility shall be adequately protected to prevent damage. [Minn. R. 7001.0150, Subp. 3(F)]
5.7.85	Collection System. [Minn. R. 7001]
5.7.86	The collection system shall be properly maintained to minimize inflow, infiltration, exfiltration, and obstructions. A record of all inspections and maintenance operations shall be kept by the Permittee for a minimum of three years. [Minn. R. 7001.0150, Subp. 3(F)]
5.7.87	Tank Maintenance. [Minn. R. 7001]
5.7.88	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)]
5.7.89	The owner of a septic tank or tanks or the owner's agent shall arrange for the removal and proper disposal of septage from all tanks or compartments in which the top of the sludge layer is less than 12 inches below the bottom of the outlet baffle or whenever the bottom of the scum layer is less than three inches above the outlet baffle. All accumulations of sludge, scum, and liquids shall be removed through the maintenance hole. [Minn. R. 7001.0150, Subp. 3(F)]
5.7.90	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. [Minn. R. 7001.0150, Subp. 3(F)]
5.7.91	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 unless more restrictive local requirements have been established. [Minn. R. 7001.0150, Subp. 3(F)]
5.7.92	Soil Treatment System Maintenance. [Minn. R. 7001]
5.7.93	The soil treatment system(s) shall be adequately fenced. [Minn. R. 7001.0150, Subp. 3(F)]
5.7.94	A dense vegetative cover shall be maintained over the soil treatment system(s) at all times during the growing season to prevent the growth of unwanted vegetation such as trees, deep rooted nuisance plants, aquatic vegetation and to prevent erosion. [Minn. R. 7001.0150, Subp. 3(F)]
5.7.95	Routine maintenance shall be conducted to discourage the presence of rodents and other burrowing animals and deer on the soil treatment system and to allow inspection of observation ports installed in the soil treatment system(s) inspection pipes. [Minn. R. 7001.0150, Subp. 3(F)]
5.7.96	Soil Treatment System Inspection. [Minn. R. 7001]
5.7.97	Ponding depth inspections to determine the condition of each soil treatment system (trench, bed, at-grade, mound, or drip dispersal) /drainfield standpipe shall be conducted every other month during the time the soil treatment system is in use. The inspection of each soil treatment system shall include the identification of wet or saturated areas, depth of effluent ponding in the soil treatment observation ports, evidence of effluent at the surface, frozen components, and measurements in piezometers (if installed). Visual observations shall be recorded and inspection records shall be maintained by the owner for a minimum of three years following each inspection. The results of the inspection are not required to be submitted to the MPCA but shall be made available upon request by MPCA staff. [Minn. R. 7001.0150, Subp. 3(F)]

5.7.98	Indications of excessive hydraulic and organic loading to the wastewater treatment facility flow rate include ineffective septic tanks or advanced treatment systems, prolonged saturated soil conditions, vegetative drowning or excessive ground water mounding (observed from piezometers) and exceeding daily permitted flow rates as indicated by flow meters, event counters and running time clocks. [Minn. R. 7001.0150, Subp. 3(F)]
5.7.99	Reserve Soil Treatment System. [Minn. R. 7001]
5.7.100	The reserve area for the soil treatment system/drainfield shall be properly protected to prevent the use of, and damage to, the area. The reserve area shall be posted and identified for the public with at least one sign designating its future purpose and the boundaries shall be visibly staked at all corners. In no case may this area be disturbed for any purpose, including vehicle traffic, storage, bike, hiking or ATV trails, playing fields, etc. [Minn. R. 7001.0150, Subp. 3(F)]
	<b>Biosolids Transfer</b>
5.8.101	<b>Authorization.</b> [Minn. R. 7041]
5.8.102	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.  Land application of biosolids is not authorized by this permit unless prior written approval is obtained by the MPCA. [Minn. R. 7041]
5.8.103	<b>Reporting Requirements.</b> [Minn. R. 7041]
5.8.104	The Permittee shall submit a biosolids annual report : Due annually, by the 31st of December. [Minn. R. 7041.1700]
5.8.105	The Permittee shall submit the Biosolids Annual Report found on the MPCA's website at <a href="https://www.pca.state.mn.us/business-with-us/wastewater-operator-resources">https://www.pca.state.mn.us/business-with-us/wastewater-operator-resources</a> 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]
5.8.106	The Biosolids Annual Report shall be submitted by December 31 of each year for biosolids storage and/or transfer activities occurring during the cropping year previous to December 31.  Cropping year means a year beginning on September 1 of the year prior to the growing season and ending August 31 the year the crop is harvested. For example, the 2019 cropping year began September 1, 2018 and ended August 31, 2019. [Minn. R. 7041]
5.8.107	The Biosolids Annual Report shall indicate whether or not biosolids were transferred and/or stored. If biosolids were transferred, the report shall describe:  A. How much was transferred; B. Where it was transferred to; C. The name of the facility that accepted the transfer; and D. The contact person at that facility. [Minn. R. 7041]
5.8.108	The Permittee shall submit the Biosolids Annual Report to the MPCA, WQ Submittals Center. [Minn. R. 7041]
	<b>Total Facility Requirements (SDS)</b>
5.9.109	No Discharge. There shall be no point source discharge to surface water from the permitted activity. [Minn. R. 7001. ]
5.9.110	Definitions. Refer to the 'Permit Users Manual' found on the MPCA website ( <a href="http://www.pca.state.mn.us">www.pca.state.mn.us</a> ) for standard definitions. [Minn. R. 7001. ]
5.9.111	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. ch. 115 and 116. [Minn. R. 7001]

5.9.112	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(E)]
5.9.113	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(A)]
5.9.114	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]
5.9.115	Property Rights. This permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, subp. 3(C)]
5.9.116	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)]
5.9.117	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(D)]
5.9.118	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)]
5.9.119	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)]
5.9.120	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]
5.9.121	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]
5.9.122	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 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(I)]
5.9.123	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. [Minn. R. 7001.0150, subp. 3(F)]
5.9.124	Sampling. [Minn. R. 7001]
5.9.125	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. [Minn. R. 7001.0150, 2(B)]

5.9.126	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(E)]
5.9.127	Certified Laboratory. A laboratory certified by the Minnesota Department of Health and/or registered by the MPCA shall conduct analyses required by this permit. Analyses of dissolved oxygen, pH, temperature, specific conductance, 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. R. 4740.2010, Minn. R. 4740.2050 through 2120]
5.9.128	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. [Minn. R. 7001.0150, 2(B), Minn. R. 7041.3200]
5.9.129	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, 2(B and C)]
5.9.130	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, 2(C)]
5.9.131	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.  Required forms may include DMR Supplemental/Sample Value Form Individual values for each sample and measurement shall be recorded on the DMR Supplemental/Sample Value Form which, if required, will be provided by the MPCA. DMR Supplemental/Sample Value Forms shall be submitted with the appropriate DMRs. You may design and use your own supplemental form; however it shall be approved by the MPCA. Note: Required summary information shall also be recorded on the DMR. Summary information that is submitted ONLY on the DMR Supplemental/Sample Value Form does not comply with the reporting requirements. [Minn. R. 7001.1090, 1(D), Minn. R. 7001.150, 2(B)]

5.9.132	<p>Submitting Reports. DMRs, DMR supplemental forms and related attachments must be electronically submitted via the MPCA e-Services after authorization is approved.</p> <p>DMRs and DMR Supplemental Forms shall be electronically submitted by the 21st day of the month following the sampling period or as otherwise specified in this permit. Electronic DMR submittal shall be complete on or before 11:59 PM of 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.</p> <p>The Permittee shall submit other reports required by this permit electronically. The Permittee shall submit reports by the date specified in this permit. The Permittee shall submit reports on or before 11:59 p.m. on the date specified in this permit.</p> <p>Electronically:                  wq.submittals.mpca@state.mn.us                  Include water quality submittals form: <a href="http://www.pca.state.mn.us/sites/default/files/wq-wwprm7-71.docx">www.pca.state.mn.us/sites/default/files/wq-wwprm7-71.docx</a>. [Minn. R. 7001.0150, Subp. 2(B), Minn. R. 7001.0150, Subp. 3(H)]</p>
5.9.133	<p>Incomplete or Incorrect Reports. The Permittee shall immediately submit an electronically 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. If it is impossible to electronically amend the report or DMR, the Permittee shall immediately notify the MPCA and the MPCA will provide direction for the amendment submittals. [Minn. R. 7001.0150, 3(G)]</p>
5.9.134	<p>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 shall 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, shall be certified by a registered professional engineer. [Minn. R. 7001.0540]</p>
5.9.135	<p>Detection Level. The Permittee shall report monitoring results below the reporting limit (RL) of a particular instrument as "&lt;" 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 "&lt;0.1 mg/L." "Non-detected," "undetected," "below detection limit," and "zero" are unacceptable reporting results, and are permit reporting violations.</p> <p>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:</p> <ol style="list-style-type: none"> <li>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.</li> <li>b. If all values are below the level of detection, report the averages as "&lt;" the corresponding level of detection.</li> <li>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, 2(B)]</li> </ol>
5.9.136	<p>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, 3(H)]</p>

5.9.137	Confidential Information. Except for data determined to be confidential according to Minn. Stat. ch. 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 shall follow Minn. R. 7000.1300. [Minn. R. 7000.1300]
5.9.138	Noncompliance and Enforcement. [Minn. R. 7001]
5.9.139	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, 1(B)]
5.9.140	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, 3(G), Minn. R. 7001.1090, 1(G and H), Minn. Stat. ch. 609.671, 1]
5.9.141	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. [Minn. R. 7001]
5.9.142	Effluent Violations. If sampling by the Permittee indicates a violation of any discharge limitation specified in this permit, the Permittee shall immediately make every effort to verify the violation by collecting additional samples, if appropriate, investigate the cause of the violation, and take action to prevent future violations. If the permittee discovers that noncompliance with a condition of the permit has occurred which 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 5 days of the discovery. The written description shall include items a. through e., as listed below. If the Permittee discovers other non-compliance that does not explicitly endanger human health, public drinking water supplies, or the environment, the non-compliance shall be reported during the next reporting period to the MPCA with its Discharge Monitoring Report (DMR). If no DMR is required within 30 days, the Permittee shall submit a written report within 30 days of the discovery of the noncompliance. This description shall include the following information:  a. a description of the event including volume, duration, monitoring results and receiving waters; b. the cause of the event; c. the steps taken to reduce, eliminate and prevent reoccurrence of the event; d. the exact dates and times of the event; and e. steps taken to reduce any adverse impact resulting from the event. [Minn. R. 7001.150, 3(K)]

5.9.143	<p>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:</p> <ul style="list-style-type: none"> <li>a. the specific cause of the upset;</li> <li>b. that the upset was unintentional;</li> <li>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;</li> <li>d. that at the time of the upset the facility was being properly operated;</li> <li>e. that the Permittee properly notified the Commissioner of the upset in accordance with Minn. R. 7001.1090, subp. 1, item I; and</li> <li>f. that the Permittee implemented the remedial measures required by Minn. R. 7001.0150, subp. 3, item J. [Minn. R. 7001.1090]</li> </ul>
5.9.144	Release. [Minn. R. 7001]
5.9.145	<p>Unauthorized Releases of Wastewater Prohibited. Except for discharges from outfalls specifically authorized by this permit, 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. [Minn. Stat. ch. 115.061]</p>
5.9.146	<p>Discovery of a release. Upon discovery of a release, the Permittee shall:</p> <ul style="list-style-type: none"> <li>a. Take all reasonable steps to immediately end the release.</li> <li>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. You may contact the MPCA during business hours at 1(800)657-3864 or (651)296-6300 (metro area).</li> <li>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. [Minn. R. 7001.1090]</li> </ul>
5.9.147	<p>Sampling of a release. Upon discovery of a release, the Permittee shall:</p> <ul style="list-style-type: none"> <li>a. 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.</li> <li>b. Submit the sampling results on the Release Sampling Form (<a href="http://www.pca.state.mn.us/index.php/view-document.html?gid=18867">http://www.pca.state.mn.us/index.php/view-document.html?gid=18867</a>). The Release Sampling Form shall be submitted to the MPCA with the next DMR or within 30 days whichever is sooner. [Minn. R. 7001.1090]</li> </ul>
5.9.148	Bypass. [Minn. R. 7001]

5.9.149	<p>Anticipated bypass. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if the bypass is for essential maintenance to assure efficient operation of the facility. The permittee shall submit prior notice, if possible at least ten days before the date of the bypass to the MPCA.</p> <p>The notice of the need for an anticipated bypass shall include the following information:</p> <ul style="list-style-type: none"><li>a. the proposed date and estimated duration of the bypass;</li><li>b. the alternatives to bypassing; and</li><li>c. a proposal for effluent sampling during the bypass. Any bypass wastewater shall enter waters of the state from outfalls specifically authorized by this permit. Therefore, samples shall be collected at the frequency and location identified in this permit or two times per week for as long as the bypass continues, whichever is more frequent. [Minn. R. 7001.1090, 1(J)]</li></ul>
5.9.150	<p>All other bypasses are prohibited. The MPCA may take enforcement action against the Permittee for a bypass, unless the specific conditions described in Minn. R. Ch. 7001.1090 subp. 1, K and 122.41(m)(4)(i) are met.</p> <p>In the event of an unanticipated bypass, the permittee shall:</p> <ul style="list-style-type: none"><li>a. Take all reasonable steps to immediately end the bypass.</li><li>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. You may contact the MPCA during business hours at 1(800)657-3864 or (651)296-6300 (metro area).</li><li>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.</li><li>d. Only allow bypass wastewater as specified in this section to enter waters of the state from outfalls specifically authorized by this permit. Samples shall be collected 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, 1(K), Minn. Stat. ch. 115.061]</li></ul>
5.9.151	Operation and Maintenance. [Minn. R. 7001]
5.9.152	<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, item F. [Minn. R. 7001.0150, 3(F)]</p>
5.9.153	<p>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, 1(C)]</p>
5.9.154	<p>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, Minn. R. 7041]</p>

5.9.155	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, 3(F), Minn. R. 7001.150, 2(B)]
5.9.156	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, 3(F), Minn. R. 7001.150, 2(B)]
5.9.157	Changes to the Facility or Permit. [Minn. R. 7001]
5.9.158	<p>Permit Modifications. Except as provided under Minnesota Statutes, section 115.07, subdivisions 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 agency has issued a written permit for the facility or activity.</p> <p>Permittees that propose to make a change to the facility or discharge that requires a permit modification shall follow Minn. R. 7001.0190. If the Permittee cannot determine whether a permit modification is needed, the Permittee shall 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. [Minn. R. 7001.0030]</p>
5.9.159	<p>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.</p> <p>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. [Minn. R. 7001.0030]</p>
5.9.160	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, 3(M)]

5.9.161	<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 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:</p> <ul style="list-style-type: none"><li>a. The process for which the additive will be used;</li><li>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;</li><li>c. a complete product use and instruction label;</li><li>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</li><li>e. The proposed method of application, application frequency, concentration, and daily average and maximum rates of use.</li></ul> <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>
5.9.162	<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 this permit pursuant to Minn. R. 7001.0180. [Minn. R. 7001.0170, Minn. R. 7001.0180]</p>
5.9.163	<p>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.l.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. [Minn. R. 7001]</p>
5.9.164	<p>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, 3(N)]</p>

5.9.165	<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 to the MPCA a facility Closure Plan for approval.</p> <p>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.</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 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. ch. 116.07, 4]</p>
5.9.166	<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. 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.</p> <p>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):</p> <ul style="list-style-type: none"><li>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;</li><li>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;</li><li>c. The Permittee has submitted an application with major deficiencies or has failed to properly supplement the application in a timely manner after being informed of deficiencies. [Minn. R. 7001.0160]</li></ul>

6. Submittal action summary

<b>WS 001</b>	Influent Waste	
		<b>Waste Stream: Large Subsurface Sewage Treatment System Influent Monitoring Requirements</b>
	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)]
<b>WS 002</b>	Intermediate: WW to Land	
		<b>Waste Stream: Large Subsurface Sewage Treatment System End-of-Pipe Requirements</b>
	6.2.1	The Permittee shall submit a monthly DMR: Due by 21 days after the end of each calendar month following permit issuance. [Minn. R. 7001.0150, Subp. 2(B)]
<b>WS 004</b>	Internal Waste Stream	
		<b>Waste Stream: Drainfield Septic Tank Requirements</b>
	6.3.1	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)]
<b>MN0068217</b>	Tii Gavo on Big Marine Lake WWTP	
		<b>Compliance Construction Schedule</b>
	6.4.1	<b>Submit Notice to Proceed.</b> The Permittee shall submit a copy of the executed notice to proceed: Due 14 calendar days after Executed Notice to Proceed Date. [Minn. R. 7001]
	6.4.2	<b>Submit O&amp;M Manual.</b> The Permittee shall submit an operation and maintenance (O&M) manual or a maintenance plan; or a certificate of completion of an operation and maintenance manual to the MPCA in writing at least 60 days before the planned initiation of operation. The Permittee shall submit operation and maintenance manual: Due 60 calendar days before Initiate Operation Date. [Minn. R. 7001]
	6.4.3	<b>Submit Notice of Intent to Initiate Operation.</b> 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. The Permittee shall submit notice of intent to initiate operation: Due 14 calendar days before Initiate Operation Date. [Minn. R. 7001]
	6.4.4	<b>Submit Notice to Complete Construction.</b> The Permittee shall submit notice of completion of construction: Due 14 calendar days before Construction Complete Date. [Minn. R. 7001]
	6.4.5	<b>Complete Construction and Initiate Operation.</b> By February 1, 2027, the Permittee shall complete construction and initiate operation of the proposed facility. The Permittee shall initiate operation: Due 02/01/2027. [Minn. R. 7001]
	6.4.6	<b>Attain Compliance with Final Limits.</b> The Permittee shall attain compliance with the total nitrogen (as N) limit of 10.0 mg/L at station WS 002. The Permittee shall attain compliance with final limits: Due 90 calendar days after Initiate Operation Date. [Minn. R. 7001]

6.4.7	<p><b>Submit Final Technical Documents.</b> The Permittee shall submit final technical documents: Due 365 calendar days after Initiate Operation Date. The documents shall include the following:</p> <p>A. A certification on a form specified, or approved by, the MPCA that is signed by a professional engineer registered in the state of Minnesota stating that the project meets the performance standards;</p> <p>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 MPCA staff upon request;</p> <p>C. 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 factsheet can be found on the MPCA's website at <a href="https://www.pca.state.mn.us/business-with-us/engineering-and-technical-information-for-construction-or-expansion">https://www.pca.state.mn.us/business-with-us/engineering-and-technical-information-for-construction-or-expansion</a>;</p> <p>D. If the facility is an LSTS system, 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 MPCA staff. [Minn. R. 7001]</p>
	<p><b>Biosolids Transfer</b></p>
6.5.8	<p>The Permittee shall submit a biosolids annual report : Due annually, by the 31st of December. [Minn. R. 7041.1700]</p>
	<p><b>Total Facility Requirements (SDS)</b></p>
6.6.9	<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. 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.</p> <p>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):</p> <p>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;</p> <p>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;</p> <p>c. The Permittee has submitted an application with major deficiencies or has failed to properly supplement the application in a timely manner after being informed of deficiencies. [Minn. R. 7001.0160]</p>

**7. Limits and monitoring**

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

Subject item	Parameter	Discharge limitations						Monitoring requirements				Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
WS 001 Influent Waste Stream	BOD, Carbonaceous 05 Day (20 Deg C)					Monitor only. calendar month average		milligrams per liter	twice per month	Grab	Jan-Dec	
WS 001 Influent Waste Stream	Flow		Monitor only. calendar month total	million gallons		0.013 calendar month average	0.0195 daily 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		milligrams per liter	twice per month	Grab	Jan-Dec	
WS 002 Effluent to Drainfield	BOD, Carbonaceous 05 Day (20 Deg C)					Monitor only. calendar month average		milligrams per liter	twice per month	Grab	Jan-Dec	
WS 002 Effluent to Drainfield	Chloride, Total					Monitor only. calendar month average		milligrams per liter	twice per month	Grab	Jan-Dec	
WS 002 Effluent to Drainfield	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	twice per month	Grab	Jan-Dec	
WS 002 Effluent to Drainfield	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	twice per month	Grab	Jan-Dec	
WS 002 Effluent to Drainfield	Nitrogen, Total (as N)					10.0 calendar month average		milligrams per liter	twice per month	Calculation	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 002 Effluent to Drainfield	Phosphorus, Total (as P)					Monitor only. calendar month average		milligrams per liter	twice per month	Grab	Jan-Dec	
WS 002 Effluent to Drainfield	Solids, Total Suspended (TSS)					Monitor only. calendar month average		milligrams per liter	twice per month	Grab	Jan-Dec	
WS 004 Septic Tank Monitoring	Remaining Scum Capacity		Monitor only. calendar quarter maximum	inches					once per quarter	Measurement	Jan-Dec	
WS 004 Septic Tank Monitoring	Remaining Sludge Capacity		Monitor only. calendar quarter maximum	inches					once per quarter	Measurement	Jan-Dec	
WS 004 Septic Tank Monitoring	Scum Depth, Maximum of Sample		Monitor only. calendar quarter maximum	inches					once per quarter	Measurement	Jan-Dec	
WS 004 Septic Tank Monitoring	Sludge Depth, Maximum of Sample		Monitor only. calendar quarter maximum	inches					once per quarter	Measurement	Jan-Dec	