

National Pollutant Discharge Elimination System/State Disposal System
MNG640000

Permittee: Multiple
Facility name: Water Treatment Plant Surface Water Discharge General Permit
Receiving water: Specific to each facility
City or Township: Specific to each facility **County:** Specific to each facility
Issuance date: July 1, 2023
Expiration date: June 30, 2028

The state of Minnesota, on behalf of its citizens through the Minnesota Pollution Control Agency (MPCA), authorizes the Permittee to operate a disposal system at the facility named above and to discharge from this facility to the receiving water named above, in accordance with the requirements of this permit.

The goal of this permit is to reduce pollutant levels in point source discharges and protect water quality in accordance with the U.S. Clean Water Act, Minnesota statutes and rules, and federal laws and regulations.

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

Signature: *Suzanne L. Baumann*

This document has been electronically signed.

for the Minnesota Pollution Control Agency

Suzanne L. Baumann
Manager
Municipal Wastewater Section
Municipal Division

Submit eDMRs

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

Submit WQ reports electronically to:

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

Questions on this permit?

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

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

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

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1. Permitted facility description

All water treatment facilities covered under this General Permit use media filters for treatment of potable water.

Filtration is used in the production of drinking water to remove suspended and dissolved solids in the source water by adsorption and straining. Filters are either single media or multi-media, using layers of sands, gravels, anthracite, and other similar media.

To clean the filter, water is passed through the filter opposite the normal direction of flow to backwash and remove material captured in the filter. Compressed air may also be blown through the filter to aid the backwashing process.

Filter backwash water is required to undergo at least 24 hours of detention time prior to discharging to the environment. Detention time allows for the settling of suspended solids. Detention time is typically accomplished through holding ponds or holding tanks. Clarified backwash water may be returned to the head of the plant or discharged to the environment. Only surface water discharges to the environment are regulated under this General Permit.

Water filter backwash solids (WFBS) settled out in holding ponds or tanks are periodically removed. Disposal of WFBS is regulated under this General Permit. There are four options for disposal: wastewater treatment facility, landfilling, use as non-residential construction fill, and land application. The requirements for each of these options is listed in the MPCA Guidelines - Disposal Methods for Water Filter Backwash Solids guidance document.

Facility specific information and the monitoring category designation will be added upon Notice of Coverage (NOC) issuance.

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2. Location map of permitted facility

Specific to each facility; added upon NOC issuance.

3. Summary of stations and station locations

Station	Type of station	Local name	PLS location
SD 00X	Effluent To Surface Water	Category 1	Specific to each individual facility
SD 00Z	Effluent To Surface Water	Category 2	Specific to each individual facility

4. Permit requirements

SD 00X	Effluent To Surface Water	
		Surface Discharge: MNG64 Category 1 Reporting Requirements
	5.1.1	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)]
SD 00Z	Effluent To Surface Water	
		Surface Discharge: MNG64 Category 2 Reporting Requirements
	5.2.1	The Permittee shall submit a quarterly DMR : Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, subp. 2(B)]
MNG640000	WTP General	
		Water Treatment Filtration General Permit Requirements
	5.3.1	Authorization. [Minn. R. 7001]
	5.3.2	This permit authorizes Permittees to treat and dispose of wastewater resulting from the treatment of potable water in accordance with the provisions in this permit. [Minn. R. 7001]
	5.3.3	This permit authorizes Permittees to discharge in accordance with the provisions of this general permit only after: A. Permittees seeking authorization to discharge under this general permit submit all necessary application forms required for general permit coverage; B. Permittees meet all applicability criteria listed in the following section of this permit; and C. Permittees receive a written Notice of Coverage (NOC) indicating that coverage is granted. [Minn. R. 7001]
	5.3.4	This permit does not allow discharges that violate surface water quality standards. [Minn. R. 7050]
	5.3.5	Limitations on Coverage. [Minn. R. 7001]
	5.3.6	This permit does not regulate water treatment plant discharges to municipal wastewater collection systems. [Minn. R. 7001]
	5.3.7	New discharges of surface water are ineligible for coverage under this general permit until construction completion. [Minn. R. 7001]
	5.3.8	Permittees located within the exterior boundaries of an Indian reservation are ineligible for coverage under this general permit and must apply to the U.S. EPA for a permit. [Minn. R. 7001]
	5.3.9	The MPCA may exclude general permit coverage to applicants that fail or have failed to comply with a rule, statute, regulation, permit schedule, or compliance order issued by the MPCA. The MPCA requires excluded general permit applicants to apply for an individual permit. [Minn. R. 7001]
	5.3.10	General Permit Applicability Criteria. [Minn. R. 7001]
	5.3.11	Persons wishing to discharge water treatment plant wastewater under this general permit shall meet all of the following criteria: A. The discharge consists of wastewater from domestic water treatment plants; B. The facility is not proposing a significant upgrade; C. The facility utilizes media filters as its treatment type as outlined in the facility description; D. The facility has at least a 24-hour detention time prior to the discharge to the receiving water; E. The discharge of wastewater to surface water does not significantly affect water quality; F. The discharge is not a new discharge to an Outstanding Resource Value Water (ORVW); and G. The discharge meets effluent limits assigned to the facility in the NOC and the limits and monitoring section of this general permit at the time of the NOC issuance. [Minn. R. 7001]
	5.3.12	The MPCA will evaluate applications that do not meet the above applicability criteria to determine if they qualify for issuance as individual NPDES/SDS permits under Minn. R. ch. 7001. [Minn. R. 7001]

5.3.13	Technology Based Effluent Limits - Category 1 Facility. [Minn. R. 7001]
5.3.14	This permit requires a Category 1 Facility to meet technology based effluent limits (TBEL) developed for achieving secondary treatment standards and/or state discharge restrictions (SDR). The MPCA assigns the limits as specified in 40 CFR pt. 133.102, Minn. R. 7053.0215, and Minn. R. 7053.0255. [Minn. R. 7053.0215, Minn. R. 7053.0255, Minn. Stat. ch. 116.102]
5.3.15	Water Quality Based Effluent Limits - Category 2 Facility. [Minn. R. 7001]
5.3.16	This permit requires a Category 2 Facility to meet TBELs developed for achieving secondary treatment standards, SDRs, and a phosphorus limit that is set to ensure compliance with all state water quality standards per Minn. R. 7050.2222, any available wasteload allocation (WLA), and/or any SDR for phosphorus per Minn. R. 7053.0255. This permit will require a water quality based effluent limit (WQBEL) for phosphorus when it is determined necessary to meet water quality standards of the receiving water per 40 CFR pt. 122.44(d). The MPCA describes the determination of the reasonable potential to exceed water quality standards and the total phosphorus effluent limit development process in MPCA guidance (Procedures for Implementing River Eutrophication Standards in NPDES Wastewater Permits in Minnesota, November 2015 or the most recent version). SDRs for phosphorous are defined in Minn. R. 7053.0255. [40 CFR 122.44(d), Minn. R. 7050.2222, Minn. R. 7053.0255]
5.3.17	Surface Discharges. [Minn. R. 7001]
5.3.18	Sampling Location. Permittees shall take samples at a point representative of the discharge to surface waters. [Minn. R. 7001]
5.3.19	Bypass Structures. Permittees shall manually control all bypass structures and shall keep them locked at all times. [Minn. R. 7001]
5.3.20	Unauthorized Release/Overflow/Bypass Reporting. Permittees shall report any facility release and/or overflow in accordance with the Water Treatment Plant Release Guidance located on the MPCA's website at https://www.pca.state.mn.us/business-with-us/wastewater-operator-resources . [Minn. R. 7001]
5.3.21	Permittees shall not discharge floating solids or visible foam in other than trace amounts. [Minn. R. 7001]
5.3.22	Permittees shall not discharge oil or other substances in amounts that create a visible color film. [Minn. R. 7001]
5.3.23	Permittees shall install and maintain outlet protection measures at the discharge stations to prevent erosion. [Minn. R. 7001]
5.3.24	Sampling Collection and Reporting. Permittees shall submit discharge monitoring results in accordance with the limits and monitoring requirements of their NOCs. If no discharge occurred during the reporting period, Permittees shall check the "No Discharge" box on the eDMR. [Minn. R. 7001]
5.3.25	Phosphorous Limits and Monitoring Requirements. [Minn. R. 7001]
5.3.26	Permittees with a Category 2 Facility shall calculate the Calendar Year to Date Total Phosphorus limit in units of kilograms per year (kg/yr) as follows: add all sample values measured from the first of the calendar year to the end date of the current reporting period. When used for loading values (kg/yr), first calculate the calendar quarter total loading by multiplying the calendar quarter total effluent flow x calendar quarter average concentration x 3.785 and then add all quarterly loading values from the first of the calendar year to the end date of the current reporting period. [Minn. R. 7001]
5.3.27	Total Nitrogen Limits and Monitoring Requirements. [Minn. R. 7001]
5.3.28	Permittees shall report Total Nitrogen as the summation of the Total Kjeldahl Nitrogen and Total Nitrite plus Nitrate Nitrogen values. [Minn. R. 7001]
5.3.29	Where NOCs require Total Nitrogen sampling once per half year and an effective period of Jan-Dec, Permittees shall sample once during the Jan-Mar and Apr-Jun quarterly periods and once during the Jul-Sep and Oct-Dec quarterly periods. Permittees shall report the sampling results on the quarterly eDMR for the period when the sample was collected. If the half-year monitoring was not completed during a specific quarter, Permittees shall leave the boxes blank on the Sample Values and eDMR and include a comment on the eDMR indicating whether half-year monitoring has already been fulfilled or will be completed later during the half year. Permittees shall not report "0" or "N/A" in the parameter boxes. [Minn. R. 7001]
5.3.30	Residual Solids Management. [Minn. R. 7001]

5.3.31	Permittees shall dispose of water filter backwash solids in accordance with the MPCA guidance document titled Guidelines - Disposal Methods for Water Filter Backwash Solids located on the MPCA's website at https://www.pca.state.mn.us/business-with-us/wastewater-permit-additional-guidance-and-information . [Minn. R. 7001]
5.3.32	Water Treatment Plant Residual Solids Annual Report. [Minn. R. 7001]
5.3.33	Permittees shall submit a water treatment plant residual solids annual report : Due by 31 days after the end of each calendar year following permit issuance. [Minn. R. 7001]
5.3.34	The Water Treatment Plant Residual Solids Annual Report is located on the MPCA's website at https://www.pca.state.mn.us/business-with-us/wastewater-operator-resources . [Minn. R. 7001]
5.3.35	The Water Treatment Plant Residual Solids Annual Report shall include: A. Notification of the quantity of solids removed and the method and location of disposal; and B. Analytical results and land application rates, if applicable. [Minn. R. 7001]
5.3.36	Permittees shall submit the Water Treatment Plant Residual Solids Annual Report to the MPCA Water Quality (WQ) Submittals Center. [Minn. R. 7001]
5.3.37	Total Residual Oxidants - Non-Domestic. [Minn. R. 7001]
5.3.38	Permittees shall sample for Total Residual Chlorine (TRC) when they use Chlorine. If Permittees do not use Chlorine and do not collect samples, leave the TRC box blank on the eDMR and include a comment indicating why they did not complete TRC monitoring during the reporting period. Permittees shall not report "0" or "N/A" in the parameter boxes. [Minn. R. 7001]
5.3.39	Permittees shall analyze TRC immediately. This means within 15 minutes or less of sample collection. [40 CFR 136.6]
5.3.40	A Reporting Limit (RL) shall be established for this parameter. This must be based on the analysis of a standard at or below the RL. The RL cannot be greater than 0.2 mg/L. [Minn. R. 7001]
5.3.41	The RL shall be verified against a known standard at least monthly during the monitoring period. For successful verification, the standard needs to be recovered at +/- 40% of the actual value. [Minn. R. 7001]
5.3.42	Monitoring results below the RL should be reported as "<" the RL. If the RL is 0.2 mg/L, based on the analysis of a standard at or below that level, and a parameter is not detected at a value of 0.2 mg/L or greater, the concentration shall be reported as "<0.2 mg/L." The symbol "<" means "less than". [Minn. R. 7001]
5.3.43	Compliance with a Daily Maximum Limit. Compliance with a Daily Maximum limit for TRC concentration limits can be evaluated using one of the two following methods. [Minn. R. 7001]
5.3.44	Single Sample Value - A single sample taken in a 24-hour period with a value of 0.2 mg/L or less is considered in compliance; or. [Minn. R. 7001]
5.3.45	Multiple Sample Value - If the single value sample is greater than 0.2 mg/L, an average can be calculated using two to twelve samples analyzed in a 24-hour period. To calculate using multiple samples: A. The second sample shall be taken two hours after the initial sample; and B. Subsequent samples shall be taken at one-hour intervals not to exceed twelve samples in a 24-hour period. The average value of the multiple samples must be 0.2 mg/L or less to be considered in compliance. Values below the RL for TRC are assumed to be zero for averaging purposes only. [Minn. R. 7001]
5.3.46	Applying for Coverage - Notice of Intent (NOI). [Minn. R. 7001]
5.3.47	Permittees seeking coverage under this general permit shall submit an application for a Notice of Intent (NOI) in a format determined by the MPCA. The NOI application package shall include the following forms, which are available on the MPCA's website at https://www.pca.state.mn.us/business-with-us/wastewater-permit-forms : A. Permit application checklist for water treatment (wq-wwprm7-04d); B. Water quality transmittal form (wq-wwprm7-03); C. Water treatment residual wastes disposal application (wq-wwprm7-17); and D. Water treatment media filter attachment (wq-wwprm7-45). Apply for general permit coverage 180 days prior to this general permit's expiration. [Minn. R. 7001.0050, Minn. R. 7001.0210, Minn. R. 7001.1040]

5.3.48	Individual Permit. [Minn. R. 7001]
5.3.49	Permittees requiring or desiring permit conditions that are outside of the intent of this general permit will be required to obtain an individual permit. [Minn. R. 7001.0210, subp. 6]
5.3.50	<p>If the MPCA finds that a permit applicant or a Permittee covered under this permit would be more appropriately covered under an individual permit, the MPCA may require an individual permit in accordance with Minn. R. 7001.0210, subp. 6.</p> <p>Any interested person may petition the MPCA Commissioner to take action under 40 CFR pt. 122.28(b)(3)(i) to require a facility covered by the general permit to apply for and obtain an individual permit. [Minn. R. 7001.0210, subp. 6]</p>
5.3.51	Permittee Requested Individual Permit. [Minn. R. 7001]
5.3.52	Any owner or operator authorized by or eligible for coverage under this general permit may request exclusion from general permit coverage by applying for and/or requesting an individual permit. The owner or operator shall submit the request to the MPCA 180 days before reissuance or a desired modification to an existing general permit. The individual permit request shall include the applicable application forms, other MPCA individual application forms, and any additional supporting information. Upon issuance of the individual permit, a general permit previously applicable to the Permittee no longer applies to that Permittee. [Minn. R. 7001.0040, Minn. R. 7001.0050, Minn. R. 7001.0210, subp. 6]
5.3.53	Upon issuance of an individual permit for any discharge which had previously been authorized by this general permit, coverage under this general permit shall no longer be applicable to the facility. The requirements of an individual permit may be different than the conditions of this general permit providing such authorization will not cause a violation of water quality standards and is not inconsistent with anti-backsliding restrictions. [Minn. R. 7001.0170, Minn. R. 7001.0210, subp. 6, Minn. R. 7053.0275]
5.3.54	Termination of General Permit Coverage. [Minn. R. 7001]
5.3.55	Upon complete reclamation of the discharge or connection to municipal wastewater collection systems, the covered applicant shall submit a request for termination of general permit coverage using the Notification of Permit Termination e-Services. Guidance is available on the MPCA's website at https://www.pca.state.mn.us/business-with-us/wastewater-permit-forms . [Minn. Stat. ch. 116.07]
5.3.56	All discharges shall cease before a termination request form is submitted to the MPCA. Any discharge of pollutants to surface or groundwaters or land on or after the date of submittal shall be considered a violation of the Clean Water Act unless authorized by another NPDES permit. All land disturbances or alterations that are a result of the activities covered under this general permit must be stabilized prior to submittal for closure or the closure of those areas must have coverage under another NPDES permit. [Minn. Stat. ch. 116.07]
5.3.57	Total Facilities Requirements. [Minn. R. 7001]
5.3.58	Definitions. Refer to the Permit User's Manual found on the MPCA's website (https://www.pca.state.mn.us/sites/default/files/wq-wwtp7-09.pdf) for standard definitions. [Minn. R. 7001]
5.3.59	Incorporation by Reference. This permit incorporates the following applicable federal and state laws applicable to the Permittees and enforceable parts of this permit: 40 CFR pts. 122.41, 122.42, 136, 403 and 503; Minn. R. chs. 7001, 7041, 7045, 7050, 7052, 7053, 7060, and 7080; and Minn. Stat. chs. 115 and 116. [Minn. R. 7001.0150, subp. 2(A)]
5.3.60	Permittee Responsibility. Permittees shall perform the actions or conduct the activity authorized by this permit in compliance with the conditions of this permit and, if required, in accordance with the plans and specifications approved by the MPCA. [Minn. R. 7001.0150, subp. 3(E)]
5.3.61	Toxic Discharges Prohibited. Whether or not this permit includes effluent limitations for toxic pollutants, Permittees shall not discharge a toxic pollutant except according to 40 CFR pts. 400 to 460 and Minn. R. chs. 7050, 7052, 7053, and any other applicable MPCA rules. [Minn. R. 7001.1090, subp. 1(A)]
5.3.62	Nuisance Conditions Prohibited. Permittees' discharges shall not cause nuisance conditions, including, but not limited to: floating solids, scum and visible oil film, excessive suspended solids, material discoloration, obnoxious odors, gas ebullition, deleterious sludge deposits, undesirable slimes or fungus growths, aquatic habitat degradation, excessive growths of aquatic plants, acutely toxic conditions to aquatic life, or other adverse impact on the receiving water. [Minn. R. 7001.0210, subp. 2]

5.3.63	Property Rights. This permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, subp. 3(C)]
5.3.64	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 Permittees 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)]
5.3.65	The MPCA's issuance of this permit does not obligate the MPCA to enforce local laws, rules, or plans beyond what Minnesota statutes authorize. [Minn. R. 7001.0150, subp. 3(D)]
5.3.66	Liabilities. The MPCA's issuance of this permit does not release the Permittees from any liability, penalty, or duty imposed by Minnesota or federal statutes or rules or local ordinances, except the obligation to obtain this permit. [Minn. R. 7001.0150, subp. 3(A)]
5.3.67	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 Permittees. [Minn. R. 7001.0150, subp. 3(B)]
5.3.68	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 is not affected thereby. [Minn. R. 7001]
5.3.69	Compliance with Other Rules and Statutes. Permittees 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]
5.3.70	Inspection and Entry. When authorized by Minn. Stat. ch. 115.04, 115B.17, subd. 4, and 116.091, and upon presentation of proper credentials, Permittees shall allow the MPCA, or an authorized employee or agent of the MPCA, to enter at reasonable times upon the property of the Permittee to examine and copy books, papers, records, or memoranda pertaining to the construction, modification, or operation of the facility covered by this permit or pertaining to the activity covered by this permit, and to conduct surveys and investigations, including sampling or monitoring, pertaining to the construction, modification, or operation of the facility covered by this permit or pertaining to the activity covered by this permit. [Minn. R. 7001.0150, subp. 3(I)]
5.3.71	Control Users. Permittees shall regulate the users of its facility to prevent the introduction of pollutants or materials that may result in the inhibition or disruption of the conveyance system, treatment facility or processes, or disposal system that would contribute to the violation of the conditions of this permit or any federal, state, or local law or regulation. [Minn. R. 7001.0150, subp. 3(F)]
5.3.72	Sampling. [Minn. R. 7001]
5.3.73	Representative Sampling. Permittees shall conduct samples and measurements required by this permit as specified in this permit and shall be representative of the discharge or monitored activity. [Minn. R. 7001.0150, subp. 2(B)]
5.3.74	Additional Sampling. If Permittees monitor more frequently than required, they shall report the results and the frequency of monitoring on their eDMR for that reporting period. [Minn. R. 7001.1090, subp. 1(E)]
5.3.75	Certified Laboratory. A laboratory accredited by the Minnesota Department of Health [Minn. R. 4740.2010 through Minn. R. 4740.2120] and/or certified by the MPCA [Minn. R. 7001.4310 through Minn. R. 7001.4390] shall conduct analyses required by this permit, unless approved in writing by the MPCA. A certified/accredited laboratory does not need to complete analyses of dissolved oxygen, pH, temperature, specific conductance, and total residual oxidants (chlorine, bromine). Those analyses shall comply with 40 CFR pt. 136. Dissolved oxygen, pH, and total residual oxidants must be performed on-site. Follow the manufacturer's specifications for equipment maintenance and use. [Minn. R. 4740.2010-4740.2120, Minn. R. 7001.4310-7001.4390]
5.3.76	Sample Preservation and Procedure. Sample preservation and test procedures for the analysis of pollutants shall conform to 40 CFR pt. 136 and Minn. R. 7041.3200. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7041.3200]

5.3.77	Equipment Calibration. Permittees shall check and/or calibrate flow meters, pumps, flumes, lift stations, or other flow monitoring equipment used for purposes of determining compliance (within plus or minus ten percent of the true flow values) with permit at least twice annually. [Minn. R. 7001.0150, subp. 2(B and C)]
5.3.78	Maintain Records. Permittees 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. Permittees shall extend these record retention periods upon request of the MPCA. Permittees shall maintain records for each sample and measurement. The records shall include the following information: A. The exact place, date, and time of the sample or measurement; B. The date of analysis; C. The name of the person who performed the sample collection, measurement, analysis, or calculation; D. The analytical techniques, procedures, and methods used; and E. The results of the analysis. [Minn. R. 7001.0150, subp. 2(C)]
5.3.79	Completing Reports. Permittees shall submit the results of the required sampling and monitoring activities on the forms provided, specified, or approved by the MPCA. Permittees shall record the information in the specified areas on those forms and in the units specified. Required forms may include a Sample Values Spreadsheet. If required, Permittees shall record individual values for each sample and measurement on the Sample Values Spreadsheet provided by the MPCA. Permittees shall submit Sample Values Spreadsheet with the appropriate eDMRs. Permittees may design and use their own Sample Values Spreadsheet; however, Permittees shall not use their spreadsheet until the MPCA reviews and approves the spreadsheet. Note: Permittees shall also record required summary information on their eDMR. Permittee submitted summary information contained only on the Sample Values Spreadsheet does not comply with reporting requirements. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.1090, subp. 1(D)]
5.3.80	Submitting Reports. Permittees shall submit eDMRs, Sample Values Forms, and other supplemental attachment forms via MPCA e-Services after the MPCA approves their authorization request. Permittees shall electronically submit eDMRs, Sample Values Forms, and other supplemental attachment forms by the 21st day of the month following the sampling period or otherwise as specified in this permit. Permittees shall complete eDMR submittal on or before 11:59 p.m. of the 21st day of the month following the sampling period or as otherwise specified in this permit. Permittees shall submit an eDMR for each required station even if no discharge occurred during the reporting period. Permittees shall submit other reports required by this permit electronically. Permittees shall submit reports by the date specified in this permit. Permittees shall submit on or before 11:59 p.m. on the date specified in this permit. Electronically: wq.submittals.mpca@state.mn.us Include Water quality submittals form: www.pca.state.mn.us/sites/default/files/wq-wwprm7-71.docx . [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(H)]
5.3.81	Incomplete or Incorrect Reports. Permittees shall immediately submit an electronically amended report or eDMR to the MPCA upon discovery of errors by the Permittee or notification by the MPCA that it has submitted an incomplete or incorrect report or eDMR. The amended report or eDMR shall contain the missing or corrected data along with a comment on the eDMR explaining the circumstances of the incomplete or incorrect report. If it is impossible to amend the report or eDMR electronically, the Permittee shall immediately notify the MPCA and the MPCA will provide direction for the amendment submittals. [Minn. R. 7001.0150, subp. 3(G)]

5.3.82	<p>Required Signatures. Permittees, or the duly authorized representative of the Permittee, shall sign all eDMRs, forms, reports, and other documents submitted to the MPCA per Minn. R. 7001.0150, subp. 2(D). The person or persons signing the eDMRs, forms, reports, or other documents shall certify that he or she understands and complies with the certification requirements of Minn. R. chs. 7001.0070 and 7001.0540, including the penalties for submitting false information. A registered professional engineer shall certify technical documents, such as design drawings and specifications, and engineering studies required for submittal as part of a permit application or by permit conditions. [Minn. R. 7001.0540]</p>
5.3.83	<p>Reporting Limit (RL). Permittees shall report monitoring results below the RL of a particular instrument as "<" the value of the RL. For example, if an instrument has a RL of 0.1 mg/L and a parameter is not detected at a value of 0.1 mg/L or greater, Permittees shall report the concentration as "< 0.1 mg/L." Permittees shall not use "non-detected," "undetected," "below detection limit," or "zero" when reporting results. The MPCA considers these terms as permit reporting violations.</p> <p>Where sample values are less than the RL and the permit requires reporting of an average, Permittees shall calculate the average as follows:</p> <p>A. If some values are less than (<) the RL, substitute zero for all non-detectable values to use in the average calculation;</p> <p>B. If all values are less than (<) the RL, calculate the average and report as < the RL average concentration; and</p> <p>C. To calculate a mass loading with a less than (<) the RL concentration, use the RL value in the calculation and then add the "<" to the product of the concentration and the volume. [Minn. R. 7001.0150, subp. 2(B)]</p>
5.3.84	<p>Records. Permittees shall, when requested by the MPCA, submit within a reasonable time the information and reports that are relevant to the control of pollution regarding construction, modification, or operation of the facility covered by this permit. [Minn. R. 7001.0150, subp. 3(H)]</p>
5.3.85	<p>Confidential Information. Except for data determined to be confidential according to Minn. Stat. ch. 116.075, subd. 2, all reports required by this permit are available for public inspection. The MPCA does not consider effluent data confidential. To request the MPCA maintain data as confidential, Permittees shall follow Minn. R. 7000.1300. [Minn. R. 7000.1300]</p>
5.3.86	<p>Noncompliance and Enforcement. [Minn. R. 7001]</p>
5.3.87	<p>Subject to Enforcement Action and Penalties. Noncompliance with a term or condition of this permit subjects the Permittee to penalties provided by federal and state law set forth in section 309 of the Clean Water Act; United States Code, title 33, section 1319, as amended; and in Minn. Stat. ch. 115.071 and 116.072, including monetary penalties, imprisonment, or both. [Minn. R. 7001.1090, subp. 1(B)]</p>
5.3.88	<p>Criminal Activity. Permittees shall not knowingly make a false statement, representation, or certification in a record or other document submitted to the MPCA. A person who falsifies a report or document submitted to the MPCA, or tampers with, or knowingly renders inaccurate a monitoring device or method that requires maintenance under this permit is subject to criminal and civil penalties provided by federal and state law. [Minn. R. 7001.0150, subp. 3(G), Minn. R. 7001.1090, subp. 1(G and H), Minn. Stat. ch. 609.671, subd. 1]</p>
5.3.89	<p>Noncompliance Defense. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [40 CFR 122.41(c)]</p>

5.3.90	<p>Effluent Violations. If sampling by Permittees indicates a violation of any discharge limitation specified in this permit, Permittees shall immediately make every effort to verify the violation by collecting additional samples, if appropriate, investigate the cause of the violation, and take action to prevent future violations.</p> <p>If Permittees discovers that noncompliance with a condition of this permit occurred and that the noncompliance could endanger human health, public drinking water supplies, or the environment, Permittees shall within 24 hours of the discovery of the noncompliance orally notify the Commissioner and submit a written description of the noncompliance within five days of the discovery.</p> <p>If Permittees discover other noncompliance that does not explicitly endanger human health, public drinking water supplies, or the environment, Permittees shall report the description of noncompliance within 30 days of the discovery. If no eDMR is required within 30 days, Permittees shall submit a written report including the description of noncompliance within 30 days of the discovery of the noncompliance. This description shall include the following information:</p> <ul style="list-style-type: none">A. A description of the event including volume, duration, monitoring results, and receiving waters;B. The cause of the event;C. The steps taken to reduce, eliminate, and prevent reoccurrence of the event;D. The exact dates and times of the event; andE. Steps taken to reduce any adverse impact resulting from the event. [Minn. R. 7001.0150, subp. 3(K)]
5.3.91	<p>Upset Defense. In the event of temporary Permittee noncompliance with an applicable effluent limitation(s) resulting from an upset at the Permittee's facility due to factors beyond the control of the Permittee, Permittees have an affirmative defense to enforcement actions brought on as a result of the noncompliance if Permittees demonstrate by a preponderance of competent evidence:</p> <ul style="list-style-type: none">A. The specific cause of the upset;B. That the upset was unintentional;C. That the upset resulted from factors beyond the reasonable control of the Permittee and did not result from operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or increases in production which are beyond the design capability of the treatment facilities;D. That at the time of the upset, the facility was properly operated;E. That the Permittee properly notified the Commissioner of the upset in accordance with Minn. R. 7001.1090, subp. 1(I); andF. That the Permittee implemented the remedial measures required by Minn. R. 7001.0150, subp. 3(J). [Minn. R. 7001.1090]
5.3.92	<p>Release. [Minn. R. 7001]</p>
5.3.93	<p>Unauthorized Releases of Wastewater Prohibited. This permit prohibits overflows, discharges, spills, or other releases of wastewater or materials to the environment, whether intentional or not, except for discharges from outfalls specifically authorized by this permit. The MPCA will consider the Permittee's compliance with permit requirements, frequency of release, quantity, type, location, and other relevant factors when determining appropriate action. [40 CFR 122.41, Minn. Stat. ch. 115.061]</p>
5.3.94	<p>Discovery of a Release. Upon discovery of a release, Permittees shall:</p> <ul style="list-style-type: none">A. Take all reasonable steps to immediately end the release;B. Notify the Minnesota Department of Public Safety Duty Officer at 800-422-0798 or 651-649-5451 (metro area) immediately upon discovery of the release. Permittees may contact the MPCA during business hours at 800-657-3864 or 651-296-6300 (metro area); andC. Recover as rapidly and as thoroughly as possible all substances and materials released or immediately take other action as may be reasonably possible to minimize or abate pollution to waters of the state or potential impacts to human health caused thereby. If Permittees cannot completely or immediately recover the released materials or substances, Permittees shall contact the MPCA. If directed by the MPCA, Permittees shall consult with other local, state, or federal agencies (such as the Minnesota Department of Natural Resources and/or the Wetland Conservation Act authority) for implementation of additional clean up or remediation activities in wetland or other sensitive areas. [Minn. R. 7001.1090]

5.3.95	<p>Sampling of a Release. Upon discovery of a release, Permittees shall:</p> <p>A. Collect representative samples of the release. Permittees shall sample the release for permitted effluent parameters and other parameters of concern immediately following discovery of the release. Permittees may contact the MPCA during business hours to discuss the sampling parameters and protocol. In addition, Permittees shall collect fecal coliform bacteria samples where the release contains or may contain sewage. If Permittees cannot immediately stop the release, Permittees shall consult with the MPCA regarding additional sampling requirements. Permittees shall collect samples at least, but not limited to, two times per week for as long as the release continues; and</p> <p>B. Submit the sampling results on the Release Report located on the MPCA's website at https://www.pca.state.mn.us/business-with-us/discharge-monitoring-reports.</p> <p>The Permittee shall submit the Release Report to the MPCA with the next eDMR or within 30 days, whichever is sooner. [Minn. R. 7001.1090]</p>
5.3.96	<p>Bypass. [Minn. R. 7001]</p>
5.3.97	<p>Anticipated Bypass. Permittees may allow any bypass to occur that does not cause effluent limitations exceedances, but only if the bypass is for essential maintenance to assure efficient facility operation. Permittees shall submit prior notice to the MPCA at least ten days before the date of the bypass, if possible. The notice of the need for an anticipated bypass shall include the following information:</p> <p>A. The proposed date and estimated duration of the bypass;</p> <p>B. The alternatives to bypassing; and</p> <p>C. A proposal for effluent sampling during the bypass. Any bypass wastewater shall enter waters of the state from outfalls specifically authorized by this permit. Therefore, Permittees shall collect bypass samples at the frequency and location identified in this permit or two times per week for as long as the bypass continues, whichever is more frequent. [40 CFR 122.41(m)(2 and 3), Minn. R. 7001.1090, subp. 1(J)]</p>
5.3.98	<p>This permit prohibits all other bypasses. The MPCA may take enforcement action against Permittees for bypasses unless the specific conditions described in Minn. R. 7001.1090 subp. 1(K) and 40 CFR 122.41(m)(4)(i) are met.</p> <p>In the event of an unanticipated bypass, Permittees shall:</p> <p>A. Take all reasonable steps to immediately end the bypass;</p> <p>B. Notify the Minnesota Department of Public Safety Duty Officer at 800-422-0798 or 651-649-5451 (metro area) immediately upon commencement of the bypass. Permittees may contact the MPCA during business hours at 800-657-3864 or 651-296-6300 (metro area);</p> <p>C. Immediately take action as may be reasonably possible to minimize or abate pollution to waters of the state or potential impacts to human health caused thereby. If directed by the MPCA, Permittees shall consult with other local, state, or federal agencies for implementation of abatement, clean up, or remediation activities; and</p> <p>D. Only allow bypass wastewater as specified in this section to enter waters of the state from outfalls specifically authorized by this permit. Permittees shall collect samples at the frequency and location identified in this permit or two times per week for as long as the bypass continues, whichever is more frequent. Permittees shall also follow the reporting requirements for effluent violations as specified in this permit. [40 CFR 122.41(m)(4)(i), Minn. R. 7001.1090, subp. 1(K), Minn. Stat. ch. 115.061]</p>
5.3.99	<p>Operation and Maintenance. [Minn. R. 7001]</p>
5.3.100	<p>Permittees shall at all times properly operate and maintain the facilities and systems of treatment and control, and the appurtenances related to them including those which are installed or used to achieve compliance with the conditions of this 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. Permittees shall install and maintain appropriate backup or auxiliary facilities if they are necessary to achieve compliance with the conditions of this permit and, for all permits other than hazardous waste facility permits, if these backup or auxiliary facilities are technically and economically feasible. [Minn. R. 7001.0150, subp.3(F)]</p>

5.3.101	In the event of a reduction or loss of effective treatment of wastewater at the facility, Permittees shall control production or curtail its discharges to the extent necessary to maintain compliance with the terms and conditions of this permit. Permittees shall continue this control or curtailment until they restore wastewater treatment or until they provide an alternative method of treatment. [Minn. R. 7001.1090, subp. 1(C)]
5.3.102	Solids Management. Permittees shall properly store, transport, and manage biosolids, septage, sediments, residual solids, filter backwash, screenings, oil, grease, and other substances so that pollutants do not enter surface waters or groundwaters of the state. Permittees shall dispose of solids in accordance with local, state, and federal requirements. [40 CFR 503, Minn. R. 7041]
5.3.103	Scheduled Maintenance. Permittees shall schedule maintenance of the treatment works during non-critical water quality periods to prevent water quality degradation, except where the facility requires emergency maintenance to prevent a condition that would be detrimental to water quality or human health. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(F)]
5.3.104	Control Tests. Permittees shall conduct in-plant control tests at a frequency adequate to ensure compliance with the conditions of this permit. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(F)]
5.3.105	Changes to the Facility or Permit. [Minn. R. 7001]
5.3.106	<p>Permit Modifications. Except as provided under Minn. Stat. ch. 115.07, subd. 1 and 3, no person required by statute or rule to obtain a permit may construct, install, modify, or operate the facility to be permitted, nor shall a person commence an activity for which a permit is required by statute or rule until the MPCA issues a written permit for the facility or activity.</p> <p>Permittees that propose to make a change to the facility or discharge that requires a permit modification shall follow Minn. R. 7001.0190. If Permittees cannot determine whether the proposed changes require a permit modification, Permittees shall contact the MPCA prior to any action. The MPCA recommends that Permittees submit applications for permit modification at least 180 days prior to the planned change. [Minn. R. 7001.0030]</p>
5.3.107	<p>This permit does not require plans, specifications, and MPCA approval when maintenance dictates the need for installation of new equipment, provided the equipment is the same design size and has the same design intent. For instance, Permittees can replace a broken pipe, lift station pump, aerator, or blower with the same design-sized equipment without MPCA approval.</p> <p>If this permit does not expressly authorize the Permittee proposed construction, the MPCA may require a permit modification. If the proposed construction project requires an Environmental Assessment Worksheet under Minn. R. 4410, no construction shall begin until the MPCA issues a negative declaration and the Permittee receives or implements all approvals. [Minn. R. 7001.0030]</p>
5.3.108	Report Changes. Permittees shall give advance notice as soon as possible to the MPCA of any substantial changes in operational procedures, activities that may alter the nature or frequency of the discharge, and/or material factors that may affect compliance with the conditions of this permit. [Minn. R. 7001.0150, subp. 3(M)]

5.3.109	<p>Chemical Additives. Permittees 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>Permittees shall request approval for an increase or new use of a chemical additive at least 60 days, or as soon as possible, before the proposed increase or new use. Permittees shall include at least the following information for the proposed additive as instructed in the chemical additive approvals section on the MPCA's website at https://www.pca.state.mn.us/business-with-us/wastewater-permit-additional-guidance-and-information:</p> <ul style="list-style-type: none">A. The process for which the additive will be used;B. Safety Data Sheet (SDS) which shall include aquatic toxicity, human health, and environmental fate information for the proposed additive. The aquatic toxicity information shall include at minimum the results of: a) a 48-hour LC50 or EC50 acute study for a North American freshwater planktonic crustacean (either Ceriodaphnia or Daphnia sp.) and b) a 96-hour LC50 acute study for rainbow trout, bluegill, or fathead minnow or another North American freshwater aquatic species other than a planktonic crustacean;C. A complete product use and instruction label;D. The commercial and chemical names and Chemical Abstract Survey (CAS) number for all ingredients in the additive (If the SDS does not include information on chemical composition, including percentages for each ingredient totaling to 100%, the Permittee shall contact the supplier to have this information provided); andE. The proposed method of application, application frequency, concentration, and daily average and maximum rates of use. <p>Upon review of the information submitted regarding the proposed chemical additive, the MPCA may require additional information be submitted for consideration. This permit may be modified to restrict the use or discharge of a chemical additive and include additional influent and effluent monitoring requirements. Approval for the use of an additive shall not justify the exceedance of any effluent limitation nor shall it be used as a defense against pollutant levels in the discharge causing or contributing to the violation of a water quality standard. [Minn. R. 7001.0170]</p>
5.3.110	<p>MPCA Initiated Permit Modification, Suspension, or Revocation. The MPCA may modify or revoke and reissue this permit pursuant to Minn. R. 7001.0170. The MPCA may revoke without reissuance of this permit pursuant to Minn. R. 7001.0180. [Minn. R. 7001.0170, Minn. R. 7001.0180]</p>
5.3.111	<p>Total Maximum Daily Load (TMDL) Impacts. The MPCA may require facilities that discharge to an impaired surface water, watershed, or drainage basin to comply with additional permits or permit requirements. These requirements can include additional restriction or relaxation of limits and monitoring as authorized by the CWA 303(d)(4)(A) and 40 CFR 122.44(l)(2)(i), necessary to ensure consistency with the assumptions and requirements of any applicable EPA approved wasteload allocations resulting from TMDL studies. [40 CFR 122.44(l)(2)(i)]</p>
5.3.112	<p>Permit Transfer. This permit and/or permit coverage is not transferable to any person without the express written approval of the MPCA after compliance with the requirements of Minn. R. 7001.0190. A person who receives permit transference shall comply with the conditions of this permit. [Minn. R. 7001.0150, subp. 3(N)]</p>

5.3.113	<p>Facility Closure. Permittees are responsible for closure and post-closure care of their facilities. Permittees 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 Permittees to provide a Facility Closure Plan for approval.</p> <p>The MPCA may require a permit modification or reissuance for facility closure that could result in a potential long-term water quality concern, such as the ongoing discharge of wastewater to surface or groundwater.</p> <p>The MPCA may require Permittees to establish and maintain financial assurance to ensure performance of certain obligations under this permit, including closure, post-closure care, and remedial action at the facility. If the MPCA requires financial assurance, the MPCA shall approve the amount and type of financial assurance and proposed modifications to previously MPCA-approved financial assurance. [Minn. Stat. ch. 116.07, subd. 4]</p>
5.3.114	<p>Permit Reissuance. If Permittees desire to continue permit coverage beyond the date of permit expiration, they shall submit an application for permit reissuance : Due by 180 days prior to permit expiration. [Minn. R. 7001.0040]</p>
5.3.115	<p>If Permittees do not intend to continue the activities authorized by this permit after the expiration date of this permit, they shall notify the MPCA in writing at least 180 days before permit expiration. If Permittees have submitted a timely application for permit reissuance, they may continue to conduct the activities authorized by this permit, in compliance with the requirements of this permit, until the MPCA takes final action on the application, unless the MPCA determines any of the following:</p> <ul style="list-style-type: none">A. Permittees are not in substantial compliance with the requirements of this permit or with a stipulation agreement or compliance schedule designed to bring them 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 this permit; orC. Permittees have submitted an application with major deficiencies or has failed to properly supplement the application in a timely manner after being informed of deficiencies. [Minn. R. 7001.0040, Minn. R. 7001.0160]

5. Submittal action summary

SD 00X	Effluent To Surface Water	
		Surface Discharge: MNG64 Category 1 Reporting Requirements
	6.1.1	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)]
SD 00Z	Effluent To Surface Water	
		Surface Discharge: MNG64 Category 2 Reporting Requirements
	6.2.1	The Permittee shall submit a quarterly DMR : Due by 21 days after the end of each calendar quarter following permit issuance. [Minn. R. 7001.0150, subp. 2(B)]
MNG640000	WTP General	
		Water Treatment Filtration General Permit Requirements
	6.3.1	Permittees shall submit a water treatment plant residual solids annual report : Due by 31 days after the end of each calendar year following permit issuance. [Minn. R. 7001]
	6.3.2	Permit Reissuance. If Permittees desire to continue permit coverage beyond the date of permit expiration, they shall submit an application for permit reissuance : Due by 180 days prior to permit expiration. [Minn. R. 7001.0040]

6. Limits and monitoring

Subject item	Parameter	Discharge limitations					Monitoring requirements					Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 00X Category 1	Chlorine, Total Residual						0.2 calendar quarter maximum	milligrams per liter	once per quarter	Grab	Jan-Dec	
SD 00X Category 1	Flow		Monitor only. calendar quarter total	million gallons		Monitor only. calendar quarter average		million gallons per day	once per day	Measurement, Continuous	Jan-Dec	
SD 00X Category 1	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per half year	Grab	Jan-Dec	
SD 00X Category 1	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per half year	Grab	Jan-Dec	
SD 00X Category 1	Nitrogen, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per half year	Calculation	Jan-Dec	
SD 00X Category 1	pH				6.0 calendar quarter minimum		9.0 calendar quarter maximum	standard units	once per quarter	Grab	Jan-Dec	
SD 00X Category 1	Phosphorus, Total (as P)					Monitor only. calendar quarter average		milligrams per liter	once per quarter	Grab	Jan-Dec	
SD 00X Category 1	Solids, Total Suspended (TSS)						30 calendar quarter maximum	milligrams per liter	once per quarter	Grab	Jan-Dec	
SD 00Z Category 2	Chlorine, Total Residual						0.2 calendar quarter maximum	milligrams per liter	once per quarter	Grab	Jan-Dec	
SD 00Z Category 2	Flow		Monitor only. calendar quarter total	million gallons		Monitor only. calendar quarter average		million gallons per day	once per day	Measurement, Continuous	Jan-Dec	
SD 00Z Category 2	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per half year	Grab	Jan-Dec	

Subject item	Parameter	Discharge limitations						Monitoring requirements				Notes
		Quantity /Loading avg.	Quantity /Loading max.	Quantity /Loading units	Quality /Conc. min.	Quality /Conc. avg.	Quality /Conc. max.	Quality/ Conc. units	Frequency	Sample type	Effective period	
SD 00Z Category 2	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per half year	Grab	Jan-Dec	
SD 00Z Category 2	Nitrogen, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per half year	Calculation	Jan-Dec	
SD 00Z Category 2	pH				6.0 calendar quarter minimum		9.0 calendar quarter maximum	standard units	once per quarter	Grab	Jan-Dec	
SD 00Z Category 2	Phosphorus, Total (as P)		** calendar year to date total	kilograms per year					once per quarter	Calculation	Jan-Dec	
SD 00Z Category 2	Phosphorus, Total (as P)					** calendar quarter average		milligrams per liter	once per quarter	Grab	Jan-Dec	
SD 00Z Category 2	Solids, Total Suspended (TSS)						30 calendar quarter maximum	milligrams per liter	once per quarter	Grab	Jan-Dec	

***Facility specific phosphorus limits or monitoring requirements are added upon NOC issuance.*