

**National Pollutant Discharge Elimination System/State Disposal System
Water Treatment Plant Surface Water Discharge General Permit - Notice of Coverage
MNG640000**

Permittee: Multiple
Facility Name: Multiple
Receiving water: Multiple

Issuance date: July 1, 2018 **Expiration date:** June 30, 2023

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 coverage issuance 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 expires at midnight on the expiration date identified above.

Signature: ***Aaron Luckstein***

This document has been electronically signed.

for the Minnesota Pollution Control Agency

Aaron Luckstein
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

Questions on this permit?

Contact the appropriate MPCA regional office found on page two of this permit.

Submit other WQ reports to:

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

MPCA Regional Offices

Toll free number: 800-657-3864

To report emergencies, call the Minnesota State Duty Officer at 651-649-5451 or toll free at 800-422-0798

Telephone device for deaf: Use your preferred relay service

24-hour emergency number: 651-297-5353 or 800-627-3529

Brainerd/Baxter Office 7678 College Road, Suite 105 Baxter, Minnesota 56425 Phone: 218-828-2492 Fax: 218-828-2594	Mankato Office 1230 South Victory Drive Mankato, Minnesota 56001 Phone: 507-389-5997 Fax: 507-389-5422
Detroit Lakes Office 714 Lake Avenue, Suite 220 Detroit Lakes, Minnesota 56567 Phone: 218-847-1519 Fax: 218-846-0719	Marshall Office 504 Fairgrounds Road, Suite 200 Marshall, Minnesota 56258 Phone: 507-537-7146 Fax: 507-537-6001
Duluth Office 525 Lake Avenue South, Suite 400 Duluth, Minnesota 55802 Phone: 218-723-4660 Fax: 218-723-4727	Rochester Office 18 Wood Lake Drive Rochester, Minnesota 55904 Phone: 507-285-7343 Fax: 507-280-5513
	St. Paul Office 520 Lafayette Road North St. Paul, Minnesota 55155 Phone: 651-296-6300 Fax: 651-297-8676

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1. Permitted facility description

Filtration is used to remove suspended solids from the source water. Single media beds or multi-media beds may be used. Media is typically silica sand and/or anthracite. The most common type of filter is a sand filter. Filters are either gravity or pressure distribution.

To clean the filter, the water direction is reversed to remove removed solids. This process is referred to as backwashing. Compressed air may also be blown through the media to improve the removal of the filtered solids from the media. This is known as air scouring. The backwash water is then discharged to a holding tank or pond prior to discharge. The holding tank or pond has a minimum of 24-hours of detention to allow for suspended solids to settle out.

Water filter backwash solids (WFBS) that settle out in the holding tanks or ponds are periodically cleaned out and disposed of. 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 a guidance document titled, "Guidelines – Disposal Methods for Water Filter Backwash Solids."

Facilities covered under this permit are either Category 1 or Category 2 facilities. Category 1 facilities are required to meet technology based effluent limits and Category 2 facilities are required to meet water quality based effluent limits. Further explanation of these categories is on page 9 of the permit.

Facility specific information and the monitoring category designation will be included in individual Notice of Coverage (NOC).

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2. Location map of permitted facility

Facility specific map will be included in individual NOC.

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3. Summary of stations and station locations

Station	Type of station	Local name	PLS location
SD00X	Effluent To Surface Water	<i>Specified in individual NOC</i>	<i>Specified in individual NOC</i>

4. Permit requirements

SD 00X	Effluent To Surface Water	
		Surface Discharge: MNG64 Category 1 Reporting Requirements
	5.1.1	Permittees 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)]
SD00X		
		Surface Discharge: MNG64 Category 2 Reporting Requirements
	5.2.1	Permittees 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		
		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 chapter. [Minn. R. 7001]
	5.3.3	This permit does not regulate water treatment plant discharges to sanitary sewage treatment systems. [Minn. R. 7001]
	5.3.4	New discharges to surface waters are ineligible for coverage under this general permit until construction completion. [Minn. R. 7001]
	5.3.5	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 apply for an individual permit. [Minn. R. 7001]
	5.3.6	This permit does not allow discharges that violate surface water quality standards. [Minn. R. 7050]
	5.3.7	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 chapter; and c. permittees receive a written Notice of Coverage (NOC) indicating that coverage is granted. [Minn. R. 7001]
	5.3.8	General Permit Applicability Criteria. [Minn. R. 7001]
	5.3.9	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 of this general permit. d. the facility has at least 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). g. the discharge meets effluent limits assigned to the facility in the NOC and the limits and monitoring section of the general permit at the time of NOC issuance. [Minn. R. 7001]
	5.3.10	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]

5.3.11	Technology Based Effluent Limits - Category 1 Facility. [Minn. R. 7001]
5.3.12	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. The MPCA assigns the limits as specified in 40 CFR Part 133.102, Minn. R. 7053.0215, and Minn. R. 7053.0255. [Minn. R. 7053.0215, Minn. R. 7053.0255, Minn. Stat. 116.102]
5.3.13	Water Quality Based Effluent Limits - Category 2 Facility. [Minn. R. 7001]
5.3.14	The permit requires a Category 2 Facility to meet TBELs 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 state discharge restriction (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 Part 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 phosphorus are defined in Minn. R. 7053.0255. [40 CFR 122.44(d), Minn. R. 7050.2222, Minn. R. 7053.0255]
5.3.15	Surface Discharges. [Minn. R. 7001]
5.3.16	Sampling Location. Permittees shall take samples at a point representative of the discharge to surface waters. [Minn. R. 7001]
5.3.17	Bypass Structures. Permittees shall manually control all bypass structures and shall keep them locked at all times. [Minn. R. 7001]
5.3.18	Release/Overflow Reporting. Permittees shall report any facility release and/or overflow in accordance with the MPCA "Water Treatment Plant Release Guidance" located on the MPCA internet at http://www.pca.state.mn.us/ or by request from the MPCA. [Minn. R. 7001]
5.3.19	Permittees shall not discharge floating solids or visible foam in other than trace amounts. [Minn. R. 7001]
5.3.20	Permittees shall not discharge oil or other substances in amounts that create a visible color film. [Minn. R. 7001]
5.3.21	Permittees shall install and maintain outlet protection measures at the discharge stations to prevent erosion. [Minn. R. 7001]
5.3.22	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 Discharge Monitoring Report (DMR). [Minn. R. 7001]
5.3.23	Phosphorous Limits and Monitoring Requirements. [Minn. R. 7001]
5.3.24	Permittees with Category 2 Facilities shall calculate the Calendar Year to Date Total Phosphorus limit in units of kg/year 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]
5.3.25	Total Nitrogen Limits and Monitoring Requirements. [Minn. R. 7001]
5.3.26	Permittees shall report "Total Nitrogen" as the summation of the Total Kjeldahl Nitrogen and Total Nitrite plus Nitrate Nitrogen values. [Minn. R. 7001]
5.3.27	Where NOCs require Total Nitrogen sampling once per half year effective 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 quarter DMR for the period when they collected the sample. If Permittees do not complete half-year monitoring during a specific quarter, they shall leave the

		boxes blank on the Sample Values and DMR form and include a comment on the DMR 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]
	5.3.28	Residual Solids Management. [Minn. R. 7001]
	5.3.29	Permittees shall dispose water filter backwash solids in accordance with the MPCA guidance document titled "Guidelines - Disposal Methods for Water Filter Backwash Solids". Permittees that land apply uncontaminated by-product lime shall follow the guidance document titled "Guidelines for Land Application of By-Product Limes." Both documents are located on the internet at http://www.pca.state.mn.us/ or by request from the MPCA. [Minn. R. 7001]
	5.3.30	Residual Solids Management Plan Annual Report. [Minn. R. 7001]
	5.3.31	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. The annual report form is located on the internet at http://www.pca.state.mn.us/ or by request from the MPCA. [Minn. R. 7001]
	5.3.32	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]
	5.3.33	Total Residual Oxidants - Non-Domestic. [Minn. R. 7001]
	5.3.34	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 DMR 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]
	5.3.35	"Daily Maximum" for TRC concentration limits means: a. the value of a single sample in a 24-hour period if the concentration of TRC in that sample is 0.2 mg/L or less. b. if the concentration of TRC in the first sample is greater than 0.2 mg/L, Permittees may report the average of two to twelve samples analyzed in a 24-hour period. Permittees shall take the second sample at least two hours after the first sample and take subsequent samples at one-hour intervals thereafter, not to exceed twelve samples in a 24-hour period. Permittees shall assume values below the TRC Reportable Limit (RL) to be zero for averaging purposes only. c. the average value of multiple daily TRC effluent sample analyses shall meet the 0.2 mg/L limit to be in compliance. [Minn. R. 7001]
	5.3.36	Permittees shall analyze TRC immediately. This means within 15 minutes or less of sample collection. Permittees shall establish a Method Detection Limit (MDL) and a RL for TRC. Permittees shall base the RL on the MDL and laboratory, analyst, and equipment used in the analysis. Permittees shall use a RL less than or equal to 0.2 mg/L. Permittees shall reassess the MDL and RL when the method, equipment, laboratory, or analyst changes. Permittees shall check the equipment against a known standard at least monthly. [Minn. R. 7001]
	5.3.37	Total Facilities Requirements. [Minn. R. 7001]
	5.3.38	General Requirements. [Minn. R. 7001]
	5.3.39	Definitions. Refer to the 'Permit Users Manual' found on the MPCA website (www.pca.state.mn.us) for standard definitions. [Minn. R. 7001]
	5.3.40	Incorporation by Reference. This permit incorporates by reference the following applicable federal and state laws: 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. The incorporated federal and state laws apply to Permittees and are enforceable parts of this permit. [Minn. R. 7001]
	5.3.41	Permittee Responsibility. Permittees 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 MPCA. [Minn. R. 7001.0150, subp. 3(E)]
	5.3.42	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 Minnesota Rules 7050, 7052, 7053 and any other applicable MPCA rules. [Minn. R. 7001.1090, subp. 1(A)]
	5.3.43	Nuisance Conditions Prohibited. Permittees' discharges shall not cause 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. 7001.0210, subp. 2]
	5.3.44	Property Rights. This permit does not convey a property right or an exclusive privilege. [Minn. R. 7001.0150, subp. 3(C)]
	5.3.45	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)]
	5.3.46	The MPCA's issuance of this permit does not obligate the MPCA to enforce local laws, rules, or plans beyond Minnesota Statutes authorization. [Minn. R. 7001.0150, subp. 3(D)]
	5.3.47	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)]
	5.3.48	The MPCA's issuance of this permit does not prevent the future adoption by the MPCA of 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)]
	5.3.49	Severability. The provisions of this permit are severable. 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]
	5.3.50	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]
	5.3.51	Inspection and Entry. When authorized by Minn. Stat. Sec. 115.04, 115B.17, subd. 4; and 116.091, and upon presentation of proper credentials, the Permittee shall allow the MPCA or an authorized employee or agent of the MPCA to enter at reasonable times upon the property of the Permittee to examine and copy books, papers, records, or memoranda pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit and to conduct surveys and investigations, including sampling or monitoring, pertaining to the construction, modification, or operation of the facility covered by the permit or pertaining to the activity covered by the permit. [Minn. R. 7001.0150, subp. 3(I)]
	5.3.52	Control Users. Permittees shall regulate the users of its wastewater treatment 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)]

	5.3.53	Sampling. [Minn. R. 7001]
	5.3.54	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. [40 CFR 122.41(j)(1)]
	5.3.55	Additional Sampling. If Permittees monitor more frequently than required, they shall report the results and the frequency of monitoring on the Discharge Monitoring Report (DMR) or another MPCA-approved form for that reporting period. [Minn. R. 7001.1090, subp. 1(E)]
	5.3.56	Certified Laboratory. A laboratory certified by the Minnesota Department of Health and/or registered by the MPCA shall conduct analyses required by this permit. Certified laboratories do not need to complete analyses of dissolved oxygen, pH, temperature, specific conductance, and total residual oxidants (chlorine, bromine) but those analyses shall comply with manufacturer specifications for equipment calibration and use. [Minn. R. 4740.2010, Minn. R. 4740.2050 through 2120]
	5.3.57	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. [40 CFR 136, Minn. R. 7041.3200]
	5.3.58	Equipment Calibration: Permittees shall check and/or calibrate for accuracy flow meters, pumps, flumes, lift stations or other flow monitoring equipment used for purposes of determining compliance with permit at least twice annually. [Minn. R. 7001.0150, subp. 2(B and C)]
	5.3.59	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)]
	5.3.60	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 the DMR Supplemental/Sample Value Form. Permittees shall record individual values for each sample and measurement on the DMR Supplemental/Sample Value Form, which, if required, the MPCA will provide. Permittees shall submit DMR Supplemental/Sample Value Forms with the appropriate DMRs. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.1090, subp. 1(D)]
	5.3.61	Submitting Reports. DMRs, DMR supplemental forms and related attachments must be electronically submitted via the MPCA Online Services Portal after authorization is approved. 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. Other reports required by this permit shall be postmarked by the date specified in the permit to: MPCA, Attn: WQ Submittals Center, 520 Lafayette Road North, St Paul Minnesota 55155-4194. [Minn. R. 7001.0150, 2(B)]

5.3.62	Permittees shall submit other reports required by this permit by the date specified in the permit to: MPCA, Attn: WQ Submittals Center, 520 Lafayette Road North, St Paul Minnesota 55155-4194. The postmark or electronic submittal date of the submittal shall occur on or before the permit required due date. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(H)]
5.3.63	Incomplete or Incorrect Reports. Permittees shall immediately submit an electronically amended report or DMR 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 DMR. Amended reports or DMRs shall contain the missing or corrected data along with a comment on the DMR explaining the circumstances of error. [Minn. R. 7001.0150, subp. 3(G)]
5.3.64	Required Signatures. Permittees or their duly authorized representative shall sign all DMRs, forms, reports, and other documents submitted to the MPCA per Minn. R. 7001.0150, subp. 2, item D. The person or persons signing 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. 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]
5.3.65	<p>Detection Level. Permittees shall report monitoring results below the reporting limit (RL) of a particular instrument as "<" the value of the RL. For example, if an instrument has a RL of 0.1 mg/L and does not detect a parameter at a value of 0.1 mg/L or greater, Permittees shall report the concentration as "<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, Permittees shall calculate the average as follows:</p> <ul style="list-style-type: none"> a. if one or more values are greater than the level of detection, substitute zero for all nondetectable values to use in the average calculation; b. if all values are below the level of detection, report the averages as "<" the corresponding level of detection; and 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, substitute zero for all nondetectable values. [Minn. R. 7001.0150, subp. 2(B)]
5.3.66	Records. When requested by the MPCA, Permittees shall submit information and reports that are relevant to the control of pollution and related to permitted facility construction, modification, or operation or regarding the conduct of the activity covered by the permit within a reasonable time. [Minn. R. 7001.0150, subp. 3(H)]
5.3.67	Confidential Information. Except for data determined to be confidential according to Minn. Stat. ch. 116.075, subp. 2, all reports required by this permit, including Permittee effluent data, are available for public inspection. Permittees shall follow Minn. R. 7000.1300 to request the MPCA maintain data as confidential. [Minn. R. 7000.1300]
5.3.68	Noncompliance and Enforcement. [Minn. R. 7001]
5.3.69	Subject to Enforcement Action and Penalties. Noncompliance with a term or condition of this permit subjects the Permittee to penalties provided by federal and state law set forth in section 309 of the Clean Water Act; United States Code, title 33, section 1319, as amended; and in Minn. Stat. ch. 115.071 and 116.072, including monetary penalties, imprisonment, or both. [Minn. R. 7001.1090, subp. 1(B)]
5.3.70	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, subp. 1]

	5.3.71	Noncompliance Defense. Permittees in enforcement actions shall not claim as a defense that halting or reducing the permitted activity was necessary in order to maintain compliance with the conditions of this permit. [40 CFR 122.41(c)]
	5.3.72	<p>Effluent Violations. If sampling by Permittees indicate 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. If Permittees discover that noncompliance with a condition of the permit occurred and that noncompliance could endanger human health, public drinking water supplies, or the environment, within 24 hours of the discovery of the noncompliance, Permittees shall orally notify the commissioner. Permittees shall also submit a written description of the noncompliance within 5 days of its discovery. The written description shall include items a. through e., as listed below. If Permittees discover other noncompliance that does not explicitly endanger human health, public drinking water supplies, or the environment, they shall report noncompliance during the next reporting period to the MPCA with the DMR. If no DMR is required within 30 days, Permittees shall submit a written report 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; and e. steps taken to reduce any adverse impact resulting from the event. [Minn. R. 7001.0150, subp. 3(K)]
	5.3.73	<p>Upset Defense. In the event of temporary Permittee noncompliance with an applicable effluent limitation resulting from an upset at the Permittee's facility due to factors beyond their control, Permittees have an affirmative defense to MPCA enforcement actions brought as a result of the noncompliance. To claim this defense, Permittees shall demonstrate by a preponderance of competent evidence:</p> <ul style="list-style-type: none"> a. the specific cause of the upset; b. the upset was unintentional; c. 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. at the time of the upset, the facility was properly operated; e. permittees properly notified the Commissioner of the upset in accordance with Minn. R. 7001.1090, subp. 1, item I; and f. the Permittee implemented the remedial measures required by Minn. R. 7001.0150, subp. 3, item J. [Minn. R. 7001.1090]
	5.3.74	Release. [Minn. R. 7001]
	5.3.75	Unauthorized Releases of Wastewater Prohibited. Except for permit-authorized discharges from outfalls, this permit prohibits all other overflows, discharges, spills, or other releases of wastewater or materials to the environment, whether intentional or not. However, the MPCA will consider Permittees' 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]
	5.3.76	<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 end the release immediately; 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. Permittees may contact the MPCA during business hours at 1(800)657-3864 or (651)296-6300 (metro area); and 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 Permittees cannot completely or immediately recover the released materials or substances, they 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]
	5.3.77	<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 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, they shall consult with 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 Sampling Form (http://www.pca.state.mn.us/index.php/view-document.html?gid=18867). Permittees shall submit the Release Sampling Form to the MPCA with the next DMR or within 30 days whichever is sooner. [Minn. R. 7001.1090]</p>
	5.3.78	Bypass. [Minn. R. 7001]
	5.3.79	<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, if possible, at least ten days before the date of the bypass.</p> <p>The notice of the need for an anticipated bypass shall include:</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. 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>
	5.3.80	<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. Ch. 7001.1090 subp. 1, K and 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 end the bypass immediately;</p> <p>b. notify the Minnesota Department of Public Safety Duty Officer at 1(800)422-0798 or (651)649-5451 (metro area) immediately upon commencement of the bypass. Permittees may contact the MPCA during business hours at 1(800)657-3864 or (651)296-6300 (metro area);</p> <p>c. immediately take action as may be reasonably possible to minimize or abate pollution to waters of the state or potential impacts to human health caused thereby. If directed by the MPCA, 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>

	5.3.81	Operation and Maintenance. [Minn. R. 7001]
	5.3.82	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 that they install or use 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. Permittees shall install and maintain appropriate backup or auxiliary facilities if they are necessary to achieve compliance with the conditions of the permit and, for all permits other than hazardous waste facility permits, if these backup or auxiliary facilities are technically and economically feasible. [Minn. R. 7001.0150, subp. 3(F)]
	5.3.83	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)]
	5.3.84	Solids Management. Permittees 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 groundwaters of the state. Permittees shall dispose of solids in accordance with local, state and federal requirements. [40 CFR 503, Minn. R. 7041]
	5.3.85	Scheduled Maintenance. Permittees shall schedule maintenance of the treatment works during non-critical water quality periods to prevent degradation of water quality except where prevention of a condition that would be detrimental to water quality or human health requires emergency maintenance. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7001.0150, subp. 3(F)]
	5.3.86	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)]
	5.3.87	Changes to the Facility or Permit. [Minn. R. 7001]
	5.3.88	<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 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. Permittees shall contact the MPCA prior to any action if they are uncertain of permit modification need. The MPCA recommends that Permittees submit applications for permit modification at least 180 days prior to the planned change. [Minn. R. 7001.0030]</p>
	5.3.89	<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, Permittees may 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 proposed construction, it may require a permit modification. If the construction project requires an Environmental Assessment Worksheet under Minn. R. 4410, Permittees shall not begin construction until the MPCA issues a negative declaration and Permittees receive and/or implement all MPCA approvals. [Minn. R. 7001.0030]</p>
	5.3.90	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)]

5.3.91	<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 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"> a. the process for which the additive will be used; b. a Safety Data Sheet (SDS) that 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 MSDS does not include information on chemical composition, including percentages for each ingredient totaling to 100%, Permittees shall contact the supplier to have this information provided); and e. the proposed method of application, application frequency, concentration, and daily average and maximum rates of use. <p>Upon review of the information submitted regarding the proposed chemical additive, the MPCA may require additional information be submitted for consideration. The MPCA may modify this permit to restrict the use or discharge of a chemical additive and include additional influent and effluent monitoring requirements. MPCA approval for the use of an additive does not justify the exceedance of any effluent limitation nor can Permittees use it 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>
5.3.92	<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>
5.3.93	<p>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, 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. [40 CFR 122.44(l)(2)i]</p>
5.3.94	<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. If the MPCA approves transfer of a permit and/or permit coverage, the person receiving the transfer shall comply with the conditions of the permit. [Minn. R. 7001.0150, subp. 3(N)]</p>
5.3.95	<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 provide it 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 Permittees to establish and maintain financial assurance to ensure</p>

		performance of certain obligations under this permit, including closure, post-closure care and remedial action at the facility. If financial assurance is required, 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, subp. 4]
	5.3.96	<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. 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.</p> <p>If Permittees submit 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 (Minn. R. 7001.0040 and 7001.0160):</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, is unable to take final action on the application on or before the expiration date of the permit; andc. permittees submit an application with major deficiencies or fail to supplement the application properly in a timely manner after the MPCA informs them of deficiencies. [Minn. R. 7001.0160]

5. Submittal action summary

SD 000	Effluent To Surface Water	
		Surface Discharge: MNG64 Category 1 Reporting Requirements
	6.1.1	Permittees 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)]
SD000		
		Surface Discharge: MNG64 Category 2 Reporting Requirements
	6.2.1	Permittees 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		
		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. The annual report form is located on the internet at http://www.pca.state.mn.us/ or by request from the MPCA. [Minn. R. 7001]
	6.3.2	<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. 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.</p> <p>If Permittees submit 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 (Minn. R. 7001.0040 and 7001.0160):</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, is unable to take final action on the application on or before the expiration date of the permit; and c. permittees submit an application with major deficiencies or fail to supplement the application properly in a timely manner after the MPCA informs them of deficiencies. [Minn. R. 7001.0160]

Permit issued: July 1, 2018
 Permit expires: June 30, 2023

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Category 2 Limits and Monitoring Requirements

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	
SD00X	Flow		Monitor only. calendar quarter total	million gallons		Monitor only. calendar quarter average		million gallons per day	once per day	Measurement, Continuous	Jan-Dec	
SD00X	Nitrite Plus Nitrate, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per half year	Grab	Jan-Dec	
SD00X	Nitrogen, Kjeldahl, Total					Monitor only. calendar month average		milligrams per liter	once per half year	Grab	Jan-Dec	
SD00X	Nitrogen, Total (as N)					Monitor only. calendar month average		milligrams per liter	once per half year	Grab	Jan-Dec	
SD00X	pH				6.0 calendar quarter minimum		9.0 calendar quarter maximum	standard units	once per quarter	Grab	Jan-Dec	
SD00X	Phosphorus, Total (as P)		XX* calendar year to date total	kilograms per year					once per quarter	Calculation	Jan-Dec	
SD00X	Phosphorus, Total (as P)					X.X* calendar quarter average		milligrams per liter	once per quarter	Grab	Jan-Dec	
SD00X	Solids, Total Suspended (TSS)						30 calendar quarter maximum	milligrams per liter	once per quarter	Grab	Jan-Dec	

**Facility specific phosphorous limit or monitoring requirements will be added upon NOC issuance.*