

SECTION 17

MISCELLANEOUS INDUSTRIAL USER WASTEWATER (MIU WASTEWATER)

17.1 Authority

Connecticut state law requires all discharges of wastewater to obtain a permit for their discharge (CGS Sec 22a-430). On September 29, 2020, the Connecticut Department of Energy and Environmental Protection (“DEEP”) issued a “General Permit for Discharges from Miscellaneous Industrial Users” (“MIU GP”) which became effective October 31, 2020 and expires October 30, 2025. The MIU GP allows certain wastewater discharges to publicly owned treatment works (“POTW”), subject to the oversight of the applicable POTW Authority, which in South Windsor is the WPCA. Industrial dischargers must register qualifying discharges with the WPCA and certify that the discharge meets the criteria of the terms and conditions of the MIU GP.

17.2 Qualifying Discharges

A. The wastewater discharge categories below and text following them characterize the notification requirements:

a. **Group I:** Process Wastewater Discharges Cumulatively Less Than 25,000 Gallons per Day

- Commercial laundry wastewater
- Contact cooling and heating wastewater
- Cutting and grinding wastewater
- Food processing wastewater (including breweries and distilleries)
- Non-destruct testing rinse water
- Printing and photographic processing wastewater
- Reverse osmosis reject water
- Tumbling or cleaning of parts wastewater
- Water treatment wastewater
- *Other process wastewater*, including other wastewaters determined by the WPCA to be process wastewaters.

b. **Group II:** Non-process Wastewater Discharges (All Flows)

- Air compressor condensate & blowdown
- Boiler blowdown wastewater
- Building maintenance wastewater
- Fire suppression system testing wastewater
- Hydrostatic pressure testing wastewater
- Non-contact cooling water

- Potable water system maintenance or sampling wastewaters
- Swimming pool wastewater
- Vehicle maintenance wastewater
- *Other non-process wastewaters*, including other wastewaters determined by the WPCA to be non-process wastewaters.

B. Industrial Users that meet the criteria below who seek authorization to discharge wastewater under the MIU GP must submit a notification form to Town of South Windsor Pollution Control Department:

- a. Industrial Users discharging Group I process wastewaters with a cumulative maximum daily flow greater than or equal to 1,000 gallons per day (gpd) and less than 25,000 gpd;
- b. Except for vehicle maintenance wastewaters, Industrial Users discharging Group II non-process wastewaters with a cumulative maximum daily flow greater than or equal to 5,000 gpd ;
- c. Industrial Users discharging any flow of vehicle maintenance wastewater;
- d. Industrial Users discharging Group I Process wastewaters with a cumulative maximum daily flow greater than or equal to 1,000 gallons per day (gpd) and less than 25,000 gpd, or Group II Non-process wastewater with a cumulative maximum daily flow greater than or equal to 5,000 gpd, whose discharge:
 - I. Has an increase in flow or change in chemistry since the effective date of this MIU GP;
 - II. Has had an ownership change since the effective date of this MIU GP;
 - III. Notification requires correction of inaccurate or misleading information previously submitted to the POTW authority, in accordance with section 6(g) of the CTDEEP MIU GP;
 - IV. Will be undergoing any significant facility modifications, as described in Section 5(e)(3)(A) of the MIU GP;
 1. Industrial Users whose discharge will be transported to the receiving POTW;
- e. Industrial Users whose discharge requires a variance to meet the effluent limits and conditions of Table 3-1 of this policy, or
- f. Industrial Users that are required to notify an applicable POTW Authority.

C. Who Must Submit Additional Information Beyond Notification

- a. Industrial Users discharging any flow of vehicle maintenance wastewater, or Group I process wastewaters that meet any one of the following criteria must complete a Detailed Discharge Information attachment. The attachment must be submitted with the notification.
- I. The cumulative maximum daily flow of the Group I process wastewater discharges is greater than or equal to 1,000 gpd and less than 25,000 gpd;
 - II. The discharge comprises greater than 2% but less than 5% of the average, dry weather, hydraulic or organic capacity of the POTW;
 - III. The discharge is transported to the receiving POTW;
 - IV. The discharge has an increase in flow or change in chemistry since the most recent registration/notification;
 - V. Requires a variance to meet the WPCA's limits or the limits and conditions of Table 3-1 of this policy;
 - VI. Requires treatment prior to discharge to meet the effluent limits in Table 3-1 of this policy or limits imposed by the WPCA; or
 - VII. If required by an applicable POTW Authority.

17.3 Effluent Limits

- A. Industrial Users discharging under the authority of the MIU GP must abide by each applicable POTW Authority's local ordinances and regulations and that Industrial Users shall not violate the prohibitions specified in subsection 5(a)(2) of the MIU GP.

Table 3-1 Monitoring Parameters

Conventional Pollutants		Metals and Other Pollutants			
Pollutant	Maximum Instantaneous Concentration, mg/L	Pollutant	Maximum Instantaneous Concentration, mg/L	Pollutant	Maximum Instantaneous Concentration, mg/L
Biochemical Oxygen Demand (BOD5)	212	Antimony, Total	4.0	Molybdenum, Total	4.0
Chemical Oxygen Demand (COD)	1200	Arsenic, Total	0.1	Nickel, Total	1.0
Total Suspended Solids (TSS)	238	Barium	5.0	Nitrous Oxide	10.0
Total Kjeldahl Nitrogen (TKN)	40.03	Beryllium, Total	2.0	pH, High	10.0
Nitrate-Nitrite (as N)	40.03	Boron	5.0	pH, Low	5.0
Total Fats, Oils and Grease ⁴	100	Cadmium, Total	0.1	Selenium, Total	0.5
Organic Pollutants		Chromium, Total	2.0	Silver, Total	0.1
Pollutant	Maximum Instantaneous Concentration, mg/L	Cobalt, Total	4.0	Strontium, Total	2.0
Total Volatile Organics	5	Copper, Total	1.0	Sulfur Dioxide	10.0
Formaldehyde	10.03	Cyanide	0.1	Thallium, Total	2.0
Methylene Chloride	1	Fluoride	20.0	Tin, Total	2.0
Phenols, Total	10	Hydrogen Sulfide	10.0	Titanium, Total	4.0
Phthalate Esters	2	Iron	5.0	Vanadium, Total	2.0
Polynuclear Aromatic Hydrocarbons	0.5	Lead, Total	0.1	Zinc, Total	1.0
Ethylene Glycol	300.03	Magnesium	5.0	Zirconium, Total	2.0
Propylene Glycol	300.03	Mercury	0.0		

17.4 Monitoring and Reporting

- A. Table 3-1 indicates monitoring parameters for various categories of flow, the most common being pH, total suspended solids, oil & grease, copper, lead, and zinc. Registrants must also monitor for any parameters specified in Table 3-1 that are known or suspected to be present in the discharge.
- B. The monitoring and reporting frequencies, based on discharge group and maximum daily flows, are shown in Table 4-1 below:

Table 4-1 Monitoring and Reporting Frequencies

Discharge Group	Total Maximum Daily Flow Thresholds per Category of Wastewater	Minimum Frequency of Pollutant Monitoring^{1,2}
Group I – Process Wastewaters (except as noted below)	Flow < 1,000 gpd	None
	1,000gpd ≤ Flow < 10,000gpd	Quarterly
	10,000gpd ≤ Flow < 25,000gpd	Monthly
Group I -- Food Processing, Commercial Laundry, Reverse Osmosis Reject Water	Flow < 5,000 gpd	None
	5,000 gpd ≤ Flow < 25,00 gpd	Annual
Group II – Non-process Wastewaters	All Flows	None

¹Discharges that do not have a prescribed monitoring frequency must comply with the effluent limits and conditions of Section 5(a) of the MIU GP. The permittee should maintain records of monitoring data that are representative of the current discharge.

²For water treatment wastewaters associated with annual or semi-annual maintenance cleaning of clarifier tank, settling lagoon, or other large tanks which may discharge greater than 50,000 gallons per day, samples shall be taken from the first 10% and last 10% of the discharge and analyzed separately. Such discharges shall not be counted toward the total maximum daily flow when determining monitoring frequency.

- C. Any false statement in any information submitted pursuant to this permit the authorization issued under this MIU GP may be suspended or revoked in accordance with law, and the POTW Authority or CTDEEP Commissioner may take any other legal action provided by law.

17.5 WPCA Authorities and Obligations

- A. It is the policy of the South Windsor WPCA to administer and enforce the MIU GP as it applies to Industrial dischargers to the Town of South Windsor, including the following activities:
- a. Receive and review notifications and certifications from Industrial Dischargers.
 - b. Perform inspections to determine compliance with the MIU GP.
 - c. Take any action provided by law to abate a violation of the MIU GP, including the commencement of proceedings to collect penalties for such violation.

17.6 **Due dates** (i.e. application and renewal)

A. In accordance with Section 4(b) of the MIU GP, “[For] existing discharges previously authorized by a DEEP permit (e.g. ***General Permit for Miscellaneous Discharges of Sewer Compatible (MISC) Wastewater*** or ***General Permit for the Discharge of Vehicle Maintenance Wastewater***) that are eligible to be covered under this MIU GP, the notification and certifications required to be submitted in accordance with this section shall be submitted to each applicable POTW Authority within ninety (90) days of the effective date of this MIU GP. If a new discharge, all notifications must be submitted prior to initiating the discharge.”

B. Annual Renewal

Existing authorized discharges shall renew their notification on an annual basis. Notification forms and necessary attachments shall be received by the WPCA no later than January 31st of each year.

17.7 **Permit Fees**

A. The South Windsor WPCA shall establish permit fees, as may be amended, to administer the requirements of the MIU GP, as described above.

B. Any costs incurred by the South Windsor WPCA in performing its duties under the MIU GP, including, but not limited to, engineering or inspection fees, shall be reimbursed by the applicant/permittee.

C. Fee schedule:

a. All fees shall be applied on the Commercial/Industrial Sewer Use Bill.

b. Refer to the WPCA Fee Schedule for fee structure.

c. A one-time application fee shall be applied to the permittee on year one of the MIU GP.

d. An MIU GP usage fee will be issued to the permittee annually.

17.8 **Reporting Requirements**

If the permittee monitors any discharge more frequently than required by the MIU GP using test procedures approved under 40 CFR 136 or specified in the MIU GP, the results shall be included in the calculation and reporting of the data in the monitoring report.

17.9 **Reporting Violations**

The permittee shall follow the requirements set forth in Section 5(d) of the MIU GP. Table 9-1 outlines the required reporting of violations.

17.10 Enforcement Actions

- A. Section 8 “Powers and Authority of Inspector,” subsection 8.1 of the South Windsor Water Pollution Control Authority’s Rules and Regulations permit the Superintendent of Pollution Control or his/her duly representative permission to enter all properties with the owner’s consent, for the purpose of inspection, observation, measurement, sampling, and testing in accordance with the provisions of the regulations.
- B. Section 9 “Penalties,” subsection 9.1 of the Regulations cites any person found to be violating any provision of the regulations shall be served by the Authority with written notice stating the nature of the violation and providing a reasonable time limit for satisfactory correction thereof. The offender shall, by the expiration of the time limit stated in such notice, permanently cease all violations. Failure to abide by these regulations shall result in the offender being reported to the Connecticut Department of Energy and Environmental Protection and may be fined for each violation.
- C. Furthermore, subsection 9.2 mandates any person who shall continue any violation beyond the time limit provided for in Section 9.1 or any person who shall commit any violation of Section 7 of the WPCA Rules and Regulations shall be guilty of a misdemeanor, and upon conviction thereof shall be fined two hundred fifty (\$250) dollars for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Violations of any of the terms, conditions, or limitations contained in this permit may subject the Permittee to enforcement action, including but not limited to, penalties and/or forfeitures pursuant to applicable sections of the South Windsor Water Pollution Control Authority’s Rules and Regulations.

- 17.11** This Policy is hereby issued on October 31, 2020 and will expire on October 30, 2025 in accordance with the terms and conditions set for by CTDEEP in the General Permit for Discharges from Miscellaneous Industrial Users (MIU GP).

Recording and Reporting Violations
General Permit for Discharges from Miscellaneous Industrial Users
MIU

Compliance Violation	Permittee Responsibility	Submittal Info	Frequency
1) Greater than two times permitted level 2) Greater than 2 times POTW specific limits 3) Greater than the level established in a variance requested by the industrial user <ul style="list-style-type: none"> Analytical results, monitoring data or effluent limits 	Notify via phone call: 1) POTW 2) CTDEEP: Water Permitting and Enforcement Division of Bureau of Materials Management and Compliance Assurance 860-424-3025 (during business hours), 860-424-3338 (after business hours)	1) Permittee name and address 2) Maximum daily flow 3) Name and telephone number of contact person at the subject site. 4) Date and time of violation	Within two (2) hours of becoming aware of violation or start of next business day if occurrence is after business hours.
	Submit a written report to: 1) POTW 2) CTDEEP: Water Permitting and Enforcement Division of Bureau of Materials Management and Compliance Assurance	1) Condition(s) or effluent limit(s) violated 2) Analytical results and information demonstrating such violation(s) 3) Cause of violation(s) 4) Period of noncompliance including exact dates and times 5) If noncompliance has not been correct, the anticipated time it is expected to continue and upon correction, the date and time of correction 6) Steps taken and planned to reduce, eliminate, and prevent a recurrence of the noncompliance, and the dates such steps are executed 7) Name and title of the person recording the information and the date and time of such recording	Within five (5) calendar days of becoming aware of violation

Recording and Reporting Violations
General Permit for Discharges from Miscellaneous Industrial Users
MIU

Compliance Violation	Permittee Responsibility	Submittal Info	Frequency
	Log violation or condition 1) Must be maintained on site	1) The condition(s) or effluent limit(s) violated 2) The analytical results and information demonstrating such violation(s) 3) The cause of the violation(s) or noncompliance 4) Period of noncompliance including exact dates and times 5) If the noncompliance has not been corrected, the anticipated time it is expected to continue, and upon correction, the date and time of correction 6) Steps taken and planned to reduce, eliminate, and prevent a recurrence of the noncompliance, and the dates such steps are executed 7) Name and title of the person recording the information and the date and time of such recording	Within twenty-four (24) hours of becoming aware of violation
1) Three or more violations of any effluent limit from a single sample 2) Three successive sampling events each of which show a violation of any effluent limit 3) The occurrence of four or more violations of any effluent limit during any calendar year 4) The violation of the pH limit by more than one standard unit.	Submit a certified report to: 1) POTW 2) CTDEEP: Water Permitting and Enforcement Division of Bureau of Materials Management and Compliance Assurance	1) Condition(s) or effluent limit(s) violated 2) Analytical results and information demonstrating such violation(s) 3) Cause of violation(s) 4) Period of noncompliance including exact dates and times 5) If noncompliance has not been correct, the anticipated time it is expected to continue and upon correction, the date and time of correction 6) Steps taken and planned to reduce, eliminate, and prevent a recurrence of the noncompliance, and the dates such steps are executed 7) Name and title of the person recording the information and the date and time of such recording	Within twenty (20) calendar days of becoming aware of the non - compliance which triggered the report

Recording and Reporting Violations
General Permit for Discharges from Miscellaneous Industrial Users
MIU

Compliance Violation	Permittee Responsibility	Submittal Info	Frequency
	<p>Submit certified statement to:</p> <ol style="list-style-type: none"> 1) POTW 2) CTDEEP: Water Permitting and Enforcement Division of Bureau of Materials Management and Compliance Assurance 	<p>Statement Section 5(d)(5), page 26 of MIU GP.</p> <p>“I certify that in my professional judgement, based on reasonable investigation, including my inquiry of those individual responsible for obtaining information pursuant to Section 5(d)(4) of the General Permit for Discharges from Miscellaneous Industrial Users, that all discharge(s) which are maintained on the site referenced herein, and which are covered under the general permit comply with all conditions of said general permit, including but not limited to all effluent limits in Section 5(a) of such General permit, and proper operation and maintenance of any systems installed to treat such discharge(s) will meet all effluent limits and conditions of such general permit without treatment. This certification is based in part of my review of analyses of a minimum of three effluent samples collected, preserved, handled and analyzed in accordance with 40 CFR 136, which samples were representative of the discharge during standard operating conditions, were taken in the previous year, at least one week apart, and were of the type(s) specified in Section 5 of said general permit, and understand that a false statement made in this report, including all attachments thereto, or in this certification may, pursuant to section 22a-6 of the General Statutes, be punishable as a criminal offense under section 53a-157b of the General Statutes, and may also be punishable under sections 22a-438 of the General Statutes and any other applicable law.”</p>	<p>Within sixty (60) days after the deadline for submitting the report</p>