



INDUSTRIAL USER PERMIT No. _____

**Michigan Consolidated Gas Company
Broadway Station**

**841 Broadway Street
Ann Arbor, MI 48108**

Mailing address: **DTE Energy Company, One Energy Plaza, Detroit, MI 48226-1221**

The above-named User is hereby authorized to discharge industrial wastewater from the above-named facility and through the outfalls identified herein into the City of Ann Arbor Publicly Owned Treatment Works (POTW) in accordance with the conditions set forth in this Permit and Chapter 28 of the Ann Arbor City Code (Sewer Use Ordinance). Compliance with this Permit does not relieve the User of its obligation to comply with any or all applicable pretreatment regulations, standards, or requirements under local, State, and Federal laws, including any such laws, regulations, standards, or requirements that may become effective during the term of this Permit.

Non-compliance with any term or condition of this Permit shall constitute a violation of the City of Ann Arbor Sewer Use Ordinance.

This Permit shall become effective on _____, 20__ and shall expire at midnight on _____, 20__.

If the User wishes to continue to discharge after the expiration date of this Permit, a complete application must be filed for reissuance of this Permit in accordance with the requirements of the sewer use ordinance, a minimum of 180 days prior to the expiration date of this Permit.

By: _____

Earl J. Kenzie, P.E.
Manager, Wastewater Treatment Services

Issued this _____ th day of _____, 20__.

PART 1. EFFLUENT LIMITATIONS

- A. From the effective date until the expiration date of this Permit, the User is authorized to discharge wastewater to the City's POTW from the outfalls listed below.

<u>Outfall</u>	<u>Discharge Location and Description</u>
001	Sanitary manhole located ~125' south of former service center building; containing effluent from dewatering water pretreatment system for site remediation project.

- B. From the effective date until the expiration date of this Permit, the outfall(s) described in Section A of this Part shall comply with all applicable laws, regulations, standards, and requirements contained in the Sewer Use Ordinance and any applicable State and Federal pre-treatment laws, regulations, standards, and requirements, including any such laws, regulations, standards, or requirements that may become effective during the term of this Permit.

From the effective date until the expiration date of this Permit, the outfall(s) described in Section A of this Part shall not exceed the following limitations:

- **Discharge limits set forth in Appendix A (for start-up period) and Appendix B (for continuous operation period), which are attached hereto and made part hereof.**

C. General Prohibited Discharges

Pursuant to the Sewer Use Ordinance, the User shall not discharge, cause to be discharged, or allow to be discharged into the POTW any of the following from any outfall:

1. Pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, pollutants with a closed cup flashpoint of less than 140 degrees Fahrenheit (60 degrees Centigrade), as determined by a Pensky-Martens Closed Cup Tester, using the test method specified in ATSM standard D-93-79 or D-93-80k (incorporated by reference, see 40 CFR S 260.11) or a Setaflash Closed Cup Tester, using the test method specified in ATSM Standard D-3278-78 (incorporated by reference, see 40 CFR § 260.11) and pollutants which cause an exceedance of 10% of the lower explosive limit (LEL) at any point within the POTW.
2. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute or chronic health and safety problems for workers.
3. Pollutants which cause or may cause corrosive structural damage to the POTW or having a pH less than 5.0 standard units or more than 10.0 standard units.
4. Solid or viscous pollutants in amounts which could cause or do cause either obstruction to flow or interference in the POTW.

5. Any pollutant, including oxygen-demanding pollutants, released in a discharge at a flow rate and/or pollutant concentration which will cause or may cause interference in the POTW.
6. Pollutants which may cause or do cause:
 - a. Impairment of the strength or durability of structures in the POTW.
 - b. Restriction of hydraulic capacity of structures in the POTW.
 - c. Unsafe conditions to personnel in the inspection or maintenance of structures of the POTW.
 - d. Unsafe conditions to the general public, with respect to the collection system.
7. Heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature of the flow at the POTW treatment plant headworks exceeds 40 degrees Centigrade (104 degrees Fahrenheit) unless the Michigan Department of Environmental Quality (MDEQ), upon request of the City, approves alternate temperature limits.
8. Pollutants which cause or may cause pass through or interference.
9. Any pollutants which exceed the limitations set forth in a Federal Categorical Pretreatment Standard.
10. Any noxious or malodorous liquids, gases, or solids which either singly or by interaction are capable of creating a public nuisance or a hazard to life.
11. Any pollutant introducing colors not removed in the POTW treatment process, such as but not limited to, dye wastes and vegetable tanning solutions.
12. Any discharge from any environmental cleanup that is regulated under the Michigan Environmental Response Act (1982 Public Act 307, as amended) unless approved by city council.
13. Any non-contact cooling water, stormwater, groundwater, or surface water, unless separate POTW facilities are available and identified for the discharges or unless the administrator gives written permission to the user for a temporary discharge of the waters based on hydraulic capacity and treatment impacts. Whether or not permission is given for a temporary discharge and its scope and duration shall be at the sole discretion of the administrator.
14. Any radioactive wastes in quantities defined by applicable state and federal regulations as harmful.
15. Any grease or other pollutants that will become solid or viscous at a temperature of 60 degrees Centigrade or below after being discharged into the POTW.
16. An insoluble substance retained by a standard No. 8 sieve or having any dimension greater than 1/2-inch (1.27 centimeters).
17. Insoluble substances having a specific gravity greater than 2.65.
18. Improperly shredded garbage.
19. Sludge, screenings or other residues which result from a treatment process unless the administrator has determined that it is amenable to treatment by the POTW without application of unusual means or expense.

20. Any petroleum oil or grease, non-biodegradable cutting oil, mineral oil, whether or not the oils or grease are used oils or grease.
21. A 7-day average flow which exceeds 2 percent of the average daily influent to the entire POTW for the previous calendar year.
22. Wastewater causing, alone or in combination with wastewater from other users, the POTW's treatment plant effluent to fail a toxicity test, violate its NPDES permit, or violate its residuals disposal program (PERM).

PART 2. MONITORING REQUIREMENTS.

- A. From the period beginning on the effective date of this Permit and lasting until the expiration date of this Permit, the User shall sample and analyze the outfalls described in Section A of Part 1 as follows:

- **Monitoring requirements set forth in Appendix A (for start-up period) and Appendix B (for continuous operation period), which are attached hereto and made part hereof.**

- B. Special Monitoring Provisions. From the period beginning on the effective date of this Permit and lasting until the expiration date of this Permit, the following additional monitoring requirements shall apply to the User:

- **(not applicable)**

- C. All measurements, tests, and analyses of the characteristics of the discharge shall be determined in accordance with the EPA-approved procedures contained in 40 CFR Part 136 or, upon approval of the City, any validated methods from recognized authority in cases where the above referenced procedures are not available or do not apply to the characteristic involved.

- D. Sampling and Flow Monitoring Equipment.

1. Samples shall be collected as follows:

- a. Unless approved otherwise by the City, composite samples shall be collected during a 24-hour period via automatic sampler at a rate proportional to the sampled stream flow.
- b. Unless approved otherwise by the City, grab samples for all but pH shall represent the average of at least four (4) grab samples collected at intervals spaced appropriately for the discharge during a 24-hour period.
- c. Unless approved otherwise by the City, grab samples for pH shall represent the minimum and maximum of at least four (4) grab samples collected at intervals spaced appropriately for the discharge during a 24-hour period.
- d. Multiple grab samples collected during a 24-hour period may be composited prior to analysis as follows: in the laboratory or in the field for cyanides; only in the laboratory for fats, oil & grease; and not composited for pH.

2. The User shall provide, at its expense, an approved flow meter where required. Meters for measuring flow shall meet a City-approved standard of accuracy, and may be either temporary or permanent as approved by the City.

PART 3. REPORTING REQUIREMENTS.

- A. Periodic Monitoring Reports. From the period beginning on the effective date of this Permit and lasting until the expiration date of this Permit, the User shall report monitoring results as follows in addition to the general reporting requirements specified herein:

- **Reporting frequencies set forth in Appendix A (for start-up period) and Appendix B (for continuous operation period), which are attached hereto and made part hereof.**

The monitoring report shall indicate the nature and concentration of all pollutants in the effluent for which sampling and analyses were performed, including flow measurements if required. The report shall include the following at a minimum:

1. The date of sampling or measurements;
2. The method(s) of sampling or measurements;
3. Name of laboratory that performed the analyses;
4. The analytical techniques or methods used; and
5. The results of such analyses.

Where required by the City, the monitoring report shall also include the exact place and time of sampling or measurements; who performed the sampling or measurements; sample preservation techniques or procedures; completed chain-of-custody forms; the date(s) analyses were performed; and copies of quality assurance/quality control (QA/QC) reports for the laboratory that performed the analyses.

- B. Additional Monitoring Data. If the User monitors any pollutant more frequently than required by this Permit, using procedures described in Parts 2.C and 2.D, the results of such monitoring shall be included in any calculations of compliance with effluent limitations and shall be reported in the periodic monitoring report submitted to the City. Such increased monitoring frequency shall also be indicated in the periodic report.

- C. Certification. All reports required by this Part shall include a cover letter signed by the User's authorized representative and containing the following certification statement:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

D. Reporting.

1. Surveillance Reports. The User shall submit the reports which are checked below:

Initial Report -- due by: **two weeks after completion of each start-up testing event (see Appendix A).**

Monthly Reports -- due by the 15th day of the month for the preceding month, beginning: **upon initiation of continuous operation period (see Appendix B).**

Quarterly Reports -- due by January 31st, April 30th, July 31st, and October 31st for the quarter ending on the last day of the preceding month, beginning: _____

Semi-Annual Monitoring Reports -- due by June 30th and December 31st of each year for the preceding six (6) calendar months, beginning: _____

Annual Reports -- due by December 31st of each year for the preceding twelve (12) calendar months, beginning: _____

2. Exceedance Notification. The User shall verbally notify the City of any exceedance of discharge limits contained in this Permit, or any noncompliance with applicable pretreatment standards and requirements contained in the Sewer Use Ordinance, within twenty-four (24) hours of becoming aware of the exceedance. The User shall then submit a written follow-up report to the City within five (5) days of becoming aware of the exceedance. This report shall include the following:
- Description of the exceedance, the cause thereof, and known or estimated impact on the User's compliance status.
 - Duration of the exceedance including exact dates and times; concentrations of violating constituents; known or estimated loads of violating constituents; and, if not already corrected, the anticipated time the exceedance is expected to continue.
 - All steps taken or intended to be taken to reduce, eliminate and prevent reoccurrence of such an exceedance.

The User shall repeat sampling and analysis of all violating constituents and submit, in writing, the results of this second analysis to the City within thirty (30) days after becoming aware of the exceedance.

3. Accidental Discharge Notification. The User shall verbally notify the City immediately upon occurrence of an accidental discharge of substances prohibited by the Sewer Use Ordinance, or release of any slug loads or spills that may enter the public sewer system or the "Surface Waters of the State." The notification shall include location of discharge, date and time thereof, type of waste, including concentration and volume, and corrective action taken. Within 5 days following an accidental discharge the User shall submit a written report to the City. That report shall contain the description and cause of the discharge, the impact on the User's compliance status, the discharge location, concentration and volume of the discharge, duration of the discharge, date and time of the discharge, steps taken to reduce or eliminate the discharge. The User's notification of accidental releases in accordance

with this section does not relieve it of other reporting requirements that arise under local, State, or Federal laws.

4. Bypass Notification. Bypass means the intentional diversion of waste streams from any portion of the User's pretreatment facility. Bypass is strictly prohibited, unless all three of the following conditions are met: the Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; there were no feasible alternatives to the Bypass such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime, except where the Bypass occurred during normal periods of equipment downtime or preventative maintenance and where adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment; and the User submitted the following required notifications:
 - a. If the need for a Bypass is known in advance, the User shall submit a written prior notice to the City at least ten (10) days before the date of the planned Bypass. The City may, at its discretion, approve or reject the planned Bypass after considering potential effects on the POTW.
 - b. In the case of an unanticipated Bypass, the User shall submit a verbal notification to the City within twenty four (24) hours of becoming aware of the Bypass. The User shall then submit a written follow-up report to the City within five (5) days of becoming aware of the Bypass. This report shall include the following:
 - (1) Description of the Bypass, the cause thereof, and known or estimated impact on the User's compliance status.
 - (2) Duration of the Bypass including exact dates and times; measured concentrations of affected constituents; known or estimated loadings of affected constituents; and, if not already corrected, the anticipated time the Bypass is expected to continue.
 - (3) All steps taken or intended to be taken to reduce, eliminate and prevent reoccurrence of such a Bypass.

If the unanticipated Bypass results in an exceedance of discharge limits contained in this Permit, or any noncompliance with applicable pretreatment standards and requirements contained in the Sewer Use Ordinance, the User shall also comply with the Exceedance Notification requirements of this Part.
5. Changed Discharge Notification. The User shall notify the City as soon as possible in advance of the introduction of new wastewater pollutants or any substantial change in the volume or character of pollutants in the User's discharge, including hazardous wastes. This requirement includes discharge of a pollutant or wastewater not described in the Permit Application, or in amounts in excess of the amounts described in the Permit Application.
6. New Pretreatment Equipment Notification. The User shall notify the City in writing within five (5) days after completion of a new installation of pretreatment facilities or continuous monitoring equipment, and the time it intends to commence operation thereof. The User shall notify the City when start-up of such facilities will occur and the person who will conduct any tests to be performed.
7. New Process Notification. The User shall notify the City prior to the introduction of new wastewater pollutants or any substantial change in the volume or characteristics

of the wastewater being introduced into the POTW from the User's industrial process. Formal written notification shall follow within 30 days of such introduction.

8. Federal Categorical Pretreatment Standards ("FCPS") Reports, As Applicable.

a. Baseline Monitoring Report

- (1) Where the User is subject to a FCPS and defined as an Existing Source pursuant to 40 CFR 403, a Baseline Monitoring Report meeting the requirements of 40 CFR 403.12(b) shall be submitted to the City at least one hundred eighty (180) days after the effective date of the corresponding FCPS or at least one hundred eighty (180) days after a City or MDEQ determination that the User is subject to an already effective FCPS, whichever is later.
- (2) Where the User is subject to a FCPS and defined as a New Source pursuant to 40 CFR 403, a Baseline Monitoring Report meeting the requirements of 40 CFR 403.12(b) shall be submitted to the City at least ninety (90) days prior to commencement of discharge into the POTW.

b. Report on Compliance

- (1) Where the User is subject to a FCPS and defined as an Existing Source pursuant to 40 CFR 403, a Report on Compliance meeting the requirements of 40 CFR 403.12(d) shall be submitted to the City within ninety (90) days following the final compliance date of the corresponding FCPS or within ninety (90) days following the compliance date established by the City or MDEQ after determining that the User is subject to an already effective FCPS, whichever is later.
- (2) Where the User is subject to a FCPS and defined as a New Source pursuant to 40 CFR 403, a Report on Compliance meeting the requirements of 40 CFR 403.12(d) shall be submitted to the City within ninety (90) days following commencement of the discharge into the POTW.

PART 4. OTHER CONDITIONS OF DISCHARGE

A. Contacts. All references made herein to the City shall mean the City of Ann Arbor and, specifically, the Manager of Wastewater Treatment Services or his/her designee. Notifications, reports, and other communications required by this permit shall be submitted as follows:

1. All written communications:

*Assistant Manager of Wastewater Treatment Services
City of Ann Arbor Wastewater Treatment Plant
49 South Dixboro Road
Ann Arbor, MI 48105*

2. Verbal communications that occur during normal working hours (8:00 AM to 4:30 PM on Monday through Friday, excluding holidays):

*Assistant Manager of Wastewater Treatment Services
(734) 794-6450, ext. 43822*

3. Verbal Communications that occur outside of normal working hours:

