INDUSTRIAL – COMMERCIAL
PERMIT APPLICATION

CITY OF ANN ARBOR

WASTEWATER TREATMENT FACILITY
INDUSTRIAL PRETREATMENT PROGRAM

City of Ann Arbor
Wastewater Treatment Facility
49 Old Dixboro Road
Ann Arbor, MI 48105
Phone: 734-794-6450 Fax: 734-971-9704

CITY OF ANN ARBOR
Industrial Pretreatment
Discharge Permit Application

Section A. General Information

Business Name: _____

Address: _____

City, State, Zip: _____

Phone: _____

Nature of Business: _____

Authorized Representative: _____

Title: _____

Name of Contact Person: _____

Title: _____

Phone: _____

Check One Existing Discharger ☐ Proposed Discharger ☐

Section B. Product or Service Information

Principal products manufactured or services provided at your facility.
_____
_____

Standard Industrial Classification (NAICS) _____

Brief narrative description of manufacturing or service activity at premise address:
_____
_____
_____

Principal raw materials used: _____
_____
_____
(Attach additional sheets as necessary)

Section C. Plant Operational Characteristics

Does your operation result in residue or sludge type waste?
☐ Yes ☐ No
If "Yes" what is your disposal method? _____
Volume disposed of _____ per _____

Shift Operation:
Total Number of employees _____
Hours/Shift _____ Shifts/Day _____
Days/Week _____ Months/Year _____

Volume of discharge ☐ Measured ☐ Estimated
Average Daily Flow _____ gallons/day
Maximum Daily Flow _____ gallons/day

Is operation subject to seasonal variation ? ☐ Yes ☐ No
If "Yes" Indicate
Seasonal Maximum Flow _____ gallons/day during month of _____
Seasonal Minimum Flow _____ gallons/day during month of _____

Is any of the enclosed information confidential?
☐ Yes ☐ No
If "Yes" explain: _____
_____

Attach a detailed description, including schematic diagrams for all processes, discharge points/manholes, metering devices and location, and facility discharge sewer layout. Attach additional pages if necessary.
_____
_____

Are any process changes or expansions planned during the next five years that would alter wastewater volumes or characteristics? ☐ Yes ☐ No
If "Yes" explain: _____
_____

List all environmental permits held by the facility. Include permit number and reason for permit. _____
_____
_____

Section D. Water Usage

Water Sources

☐ Municipal _____ gallons/day
☐ Well _____ gallons/day
☐ Surface water _____ gallons/day
Specify Municipality _____

List average water usage on premises

☐ Sanitary _____ average gallons/day

☐ Plant and Equipment Wash Water _____ average gallons/day

☐ Contact Cooling Water _____ average gallons/day

☐ Non-Contact Cooling Water _____ average gallons/day

☐ Boiler Feed Water _____ average gallons/day

☐ Process Water _____ average gallons/day

☐ Scrubber Water _____ average gallons/day

☐ Boiler Blow down Water _____ average gallons/day

☐ Other (explain) _____ average gallons/day

TOTAL _____ average gallons/day

Does this facility discharge any wastewater other than sanitary?

☐ Yes If "Yes" complete the remainder of the application

☐ No If "No" you may proceed to Section H

Section E. Wastewater Information

Number of sewer outlets from property _____

Does the facility have a discharge flow meter? ☐ Yes ☐ No

List plant sewer outlets, size and flow (assign sequential reference number to each outlet or use numbering as appears on your construction drawings).

Ref. No.	Sewer Size (in inches)	Description of Outfall Sewer & Sampling-Point Location	Avg Flow (GPD)

Attach a sketch of facility area showing location of sewers and their connection or discharge point outside facility property (show facility buildings, streets, alleys, streams) and sampling points.

List average and maximum daily volumes and disposal methods for each process and generated waste stream (attach a block diagram).

Description of Process	Production Rate (per day	Avg GPD	Maximum GPD	Batch or Continuous	Disposal Method

Section F. Wastewater Characteristics

Examine the attached list (Attachment A) of Priority Pollutants/Critical Materials and Compatible Pollutants. **Circle** those items that are present in your raw materials or in the wastewater discharged from your facility.

Attach a copy of the most recent wastewater analysis report of wastewater discharge from your facility. If you do not have any discharge analytical data, you must perform an analysis and submit that analysis with this discharge application. The analysis must include all items/parameters circled as required in the above paragraph. The analysis report shall contain the item name, date of sampling, specific location where the sample was taken, the method of analysis, and the detection level. All analysis shall use EPA or Standard Methods procedures as appropriate for the item being analyzed. A signed statement shall be included in the report certifying that the sampling is representative of the normal work cycles and expected discharge.

According to this analytical report and other analysis previously performed, are City of Ann Arbor Sewer Use Ordinance limits being met on a consistent basis? (The Sewer Use Ordinance can be found as follows: http://www.a2gov.org/government/city_administration/City_Clerk/Ordinances/ . Go to the bottom of this page and click on "continue to City Code Data" and then proceed to Chapter 28). ☐ Yes ☐ No ☐ Unknown

Have you filed a hazardous waste notification with the City of Ann Arbor Industrial Pretreatment Coordinator, Michigan Department of Environmental Quality, or the United States Environmental Protection Agency pursuant to 40CFR 403.12(p)?

☐ Yes ☐ No

Does your facility collect and/or treat storm water? ☐ Yes ☐ No

If "Yes" briefly describe the treatment method. _____
_____
_____
_____

Section G. Pretreatment

Is there pretreatment at the facility prior to discharge? ☐ Yes ☐ No
If "No" proceed to the next section.

List which process wastewaters are treated in each pretreatment system.

_____
_____
_____

Briefly describe each pretreatment system along with its treatment methods and design flow. Include if the pretreatment system is continuous operation, or batch operation. If batch operation, designate the batch frequency and volume. Attach schematics along with the description. Attach additional sheets as required.

_____
_____
_____

Are all pretreatment units in service? ☐ Yes ☐ No
If "No" explain._____
_____
_____

Is there a state licensed wastewater treatment operator? ☐ Yes ☐ No
☐ Full Time ☐ Part Time

Are replacement parts stocked for critical components? ☐ Yes ☐ No

Are treatment chemicals stocked? ☐ Yes ☐ No

Do you keep a continuous record of wastewater pH? ☐ Yes ☐ No

Do you have a current process operation and maintenance manual?
☐ Yes ☐ No

Do you have a current pretreatment process operation and maintenance manual?
☐ Yes ☐ No

Is there a potential to bypass the pretreatment process?
☐ Yes ☐ No

Is there sludge generated due to the treatment of wastewater?
☐ Yes ☐ No

What is the Waste Characterization of your sludge? Hazardous ☐ Non-hazardous ☐

Section H. Storage

Do you store chemicals on your premises? ☐ Yes ☐ No
If "No" proceed to Section I.

List all chemicals, quantities, and describe storage location. Attach additional sheets as required.

Chemical	Quantity	Location

Section I. Spill/Slug Control Plans

Do you have floor drains in the following facility areas? Please indicate below.

Area	Yes/ No	Where does it discharge Storm or Sanitary Sewer, Other
Chemical Storage		
Manufacturing		
Waste Storage		
Other Areas		

Do you have secondary containment for spill control?
(dikes ,trenches, curbs, otherer) ☐ Yes ☐ No
If "Yes" where is it discharged? Storm ☐ Sanitary ☐ Other ☐

Does your facility have a Spill Prevention Control and Countermeasures Program (SPCC), a Pollution Incident Prevention Plan (PIPP) or as Slug/Spill Plan to prevent accidental releases and spills from entering the sewer system?
Please check and attach a copy with this application
PIP ☐ SPCC ☐ Contingency Plan ☐ Slug/Spill Plan ☐

Please describe below any spills in the last five (5) years and remedial measures taken to prevent future occurrences.

_____
_____
_____
_____

Section J. Non-discharge Wastes

Do you generate any waste liquids or sludges that **are not** disposed of in the sewer system? If "Yes" describe below ☐ If "No" skip this section. ☐

Waste Generated	Quantity/Year	Disposal Method
Waste Solvent		
Oil & Grease		
Waste Product		
Pretreatment Sludge		
Paints & Thinners		
Acid and/or Alkalis		
Plating Wastes		
Organics		
Pesticides		
Other		

If an outside firm removes any generated wastes, List the name(s), address(es), and permit number(s) of all haulers.

Name	Address	Permit No.

Section K. Certification

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."

_____ _____

Full Name (Print) Title

_____ _____

Signature Date

ATTACHMENT A

Priority Pollutants/Critical Materials

001 Acenaphthene 002 Acrolein 003 Acrylonitrile 004 Benzene 005 Benzidine 006 Carbon tetrachloride (tetrachloromethane) 007 Chlorobenzene 008 1,2,4-trichlorobenzene 009 Hexachlorobenzene 010 1,2-dichloroethane 011 1,1,1-trichloreothane 012 Hexachloroethane 013 1,1-dichloroethane 014 1,1,2-trichloroethane 015 1,1,2,2-tetrachloroethane 016 Chloroethane 018 Bis(2-chloroethyl) ether 019 2-chloroethyl vinyl ether (mixed) 020 2-chloronaphthalene 021 2,4, 6-trichlorophenol 022 Parachlorometa cresol 023 Chloroform (trichloromethane) 024 2-chlorophenol 025 1,2-dichlorobenzene 026 1,3-dichlorobenzene 027 1,4-dichlorobenzene 028 3,3-dichlorobenzidine 029 1,1-dichloroethylene 030 1,2-trans-dichloroethylene 031 2,4-dichlorophenol 032 1,2-dichloropropane 033 1,2-dichloropropylene (1,3-dichloropropene) 034 2,4-dimethylphenol 035 2,4-dinitrotoluene 036 2,6-dinitrotoluene 037 1,2-diphenylhydrazine 038 Ethylbenzene 039 Fluoranthene 040 4-chlorophenyl phenyl ether 041 4-bromophenyl phenyl ether 042 Bis(2-chloroisopropyl) ether 043 Bis(2-chloroethoxy) methane 044 Methylene chloride (dichloromethane) 045 Methyl chloride (dichloromethane) 046 Methyl bromide (bromomethane)	047 Bromoform (tribromomethane) 048 Dichlorobromomethane 051 Chlorodibromomethane 052 Hexachlorobutadiene 053 Hexachloromyclopentadiene 054 Isophorone 055 Naphthalene 056 Nitrobenzene 057 2-nitrophenol 058 4-nitrophenol 059 2,4-dinitrophenol 060 4,6-dinitro-o-cresol 061 N-nitrosodimethylamine 062 N-nitrosodiphenylamine 063 N-nitrosodi-n-propylamin 064 Pentachlorophenol 065 Phenol 066 Bis(2-ethylhexyl) phthalate 067 Butyl benzyl phthalate 068 Di-N-Butyl Phthalate 069 Di-n-octyl phthalate 070 Diethyl Phthalate 071 Dimethyl phthalate 072 1,2-benzanthracene (benzo(a) anthracene 073 Benzo(a)pyrene (3,4-benzo-pyrene) 074 3,4-Benzofluoranthene (benzo(b) fluoranthene) 075 11,12-benzofluoranthene (benzo(b) fluoranthene) 076 Chrysene 077 Acenaphthylene 078 Anthracene 079 1,12-benzoperylene (benzo(ghi) perylene) 080 Fluorene 081 Phenanthrene 082 1,2,5,6-dibenzanthracene (dibenzo(,h) anthracene) 083 Indeno (,1,2,3-cd) pyrene (2,3-o-pheynylene pyrene) 084 Pyrene 085 Tetrachloroethylene 086 Toluene 087 Trichloroethylene 088 Vinyl chloride (chloroethylene) 089 Aldrin	090 Dieldrin 091 Chlordane (technical mixture and metabolites) 092 4,4-DDT 093 4,4-DDE (p,p-DDX) 094 4,4-DDD (p,p-TDE) 095 Alpha-endosulfan 096 Beta-endosulfan 097 Endosulfan sulfate 098 Endrin 099 Endrin aldehyde 100 Heptachlor 101 Heptachlor epoxide (BHC-hexachlorocyclohexane) 102 Alpha-BHC 103 Beta-BHC 104 Gamma-BHC (lindane) 105 Delta-BHC (PCB-polychlorinated biphenyls) 106 PCB-1242 (Arochlor 1242) 107 PCB-1254 (Arochlor 1254) 108 PCB-1221 (Arochlor 1221) 109 PCB-1232 (Arochlor 1232) 110 PCB-1248 (Arochlor 1248) 111 PCB-1260 (Arochlor 1260) 112 PCB-1016 (Arochlor 1016) 113 Toxaphene 114 Antimony 115 Arsenic 116 Asbestos 117 Beryllium 118 Cadmium 119 Chromium 120 Copper 121 Cyanide, Total 122 Lead 123 Mercury 124 Nickel 125 Selenium 126 Silver 127 Thallium 126 Silver 128 Zinc 129 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)

Compatible Pollutants

5-day Biological Oxygen Demand Total Suspended Solids	Total Phosphorus Ammonia Nitrogen	Fats, Oils & Grease (FOG)