

**BUTLER COUNTY, OHIO
APPLICATION FOR WASTEWATER DISCHARGE PERMIT
(BASELINE MONITORING REPORT)**

Complete all the information requested on this form and submit to the:
Butler County Water and Sewer Department
Attn: Pretreatment and Industrial Services
130 High Street - Fifth Floor
Hamilton, Ohio 45011

A. General Information

1. Company Name _____
2. Mailing Address _____
Street _____
City _____ State _____ Zip _____
3. Facility Address _____
Street _____
City _____ State _____ Zip _____
4. Contact Official
Name _____
Title _____
Address _____
Telephone _____
5. Employee Work Force

Shift(s)	From	Hours To	Number of Employees
1	_____	_____	_____
2	_____	_____	_____
3	_____	_____	_____
Total			_____
6. Days of operations per week _____

B. Listing of Environmental Control Permits

1. NPDES Permit
Permit No.(s) _____
Receiving Stream(s) _____
2. Other Permits (Stormwater, Air, etc.) _____

C. Description of Operations

- 1. Company a. _____ manufactures a product or products
b. _____ provides a service

2. Description of Manufacturing Process

3. Standard Industrial Classification (SIC) or North American Industry Classification System (NAICS) numbers describing company operations

4. If your industry is a service, briefly describe the services provided

5. If your industry is a manufacturing industry:

b. List All Raw Materials Used

Raw Material	Monthly Consumption	
	Number	Units
Example: Steel	150,000	Lbs.

c. List All Chemicals Used

(Including process chemicals, sanitation chemicals, wastewater treatment chemicals, etc.)

Chemical Name	Monthly Consumption		*Priority Pollutants		Discharged to Sewer		
	Number	Units	Yes	No	Yes	No	If no, list disposal method or waste hauler:
Example: Benzene	10,000	gals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	XYZ Waste Disposal
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

*(Attach additional list if necessary. 129 priority pollutants listed on pages 16 and 17)

d. Major Industrial Processes

Major Industrial Process	Pertinent Characteristics	SIC Number	Does this Process Produce Wastewater?	
			Yes	No

D. Water/Wastewater Flows

A. Water Consumption Supplier: _____

<u>Water Source</u>	<u>Average Water Use (gpd)</u>	<u>Peak Water Use (gpd)</u>
Public Water	_____	_____
Well Supply	_____	_____
Other	_____	_____
Totals	_____	_____

B. Wastewater Discharge

1. General Information

a. Daily Industrial Flow to Sanitary Sewer:

Peak _____ gpd

Average _____ gpd

Minimum _____ gpd

b. Method of Flow Monitoring _____

c. Flow Monitoring Period _____ days/month

d. Are there any batch discharges from the plant?

_____ Yes _____ No

If yes, give the number per month _____

and volume per batch _____

Wastewater Use Balance Sheet

Industrial	Fate of Process Wastewater									Total gpd
	Direct Discharge To				To On-Site Treatment Facility Followed by Discharge				Evaporation gpd	
	Sanitary Sewer gpd	Storm Sewer gpd	Surface Water Course							
			Discharge gpd	Water Course Name	Sanitary Sewer gpd	Storm Sewer gpd	Surface Water Course gpd	Recycle gpd		
Process Producing Wastewater	Sanitary Sewer gpd	Storm Sewer gpd	Discharge gpd	Water Course Name	Sanitary Sewer gpd	Storm Sewer gpd	Surface Water Course gpd	Recycle gpd	Evaporation gpd	Total gpd
Domestic										
Process (Total) *Provide flow for each individual process on next page										
Cleaning or Rinse										
Cooling										
Cooling Tower Discharge										
Other (Boiler Blowdown, etc.)										
Totals										

Process Wastewater

Major Industrial Process	Type Discharge		Batch Discharge		Timing of Discharge			Flow Rates gpd		Ultimate Destination of Discharge			
	Cont.	Batch	Volume Gallons	Freq. of discharge	Duration Hours	From	To	Average	Peak	Sanitary Sewer	Storm Sewer	Water Course	Other: specify

C. Describe any wastewater treatment processes and provide detailed flow diagram.

E. Pollutant Measurement Data

1. Has the industry conducted sampling and analysis of process wastewater in the past two (2) years?

_____ Yes _____ No

2. If yes, identify sampling location(s)

3. Attach summary of sampling events and results here (Include Sample Location, Sample Type (Grab/Comp), Sample Dates, Laboratory Conducting Analysis, etc.

4. The following substances have been identified as potential pollutants of concern, and/or being harmful or toxic, and/or are regulated by the Butler County Sewer Use Rule and/or categorical Pretreatment Standards. Indicate which substances are present in the proposed waste discharge and in what concentrations. Sampling and analysis shall be in accordance with procedures established by the (U.S. EPA) and should be certified by a qualified chemist.

<u>Substance</u>	<u>Average Daily Concentration (mg/l)</u>	<u>Average Daily Loading (Pounds/Day)</u>	<u>Maximum Daily Concentration (mg/l)</u>
Arsenic	_____	_____	_____
Barium	_____	_____	_____
Bis(2-ethylhexyl) phthalate	_____	_____	_____
Cadmium	_____	_____	_____
Chromium, T	_____	_____	_____
Copper	_____	_____	_____
Lead	_____	_____	_____
Mercury	_____	_____	_____
Molybdenum	_____	_____	_____
Nickel	_____	_____	_____
Silver	_____	_____	_____
Zinc	_____	_____	_____
Chlorine	_____	_____	_____
Total Dissolved Solids	_____	_____	_____
Other Priority Pollutants*	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____

* Refer to list of priority pollutants on pages 16 and 17.

5. The following substances may be compatible with the treatment process. Indicate

which substances are present in the proposed waste discharge and in what concentration. Sampling and analysis shall be in accordance with procedures established by the U.S. EPA and should be certified by a qualified chemist.

	Average Daily Concentration (mg/l)	Average Daily Loading (Pounds/day)	Maximum Daily Concentration (mg/l)
BOD (biochemical oxygen demand)	_____	_____	_____
TSS (Total Suspended Solids)	_____	_____	_____
TP (Total Phosphorus)	_____	_____	_____
SP (Soluble Phosphorus)	_____	_____	_____
NH ₃ (Ammonia Nitrogen)	_____	_____	_____
Oil and Grease	_____	_____	_____
COD (Chemical Oxygen Demand)	_____	_____	_____

5. Is compliance with the Sewer Use Rule and/or Categorical Pretreatment Standards being achieved for all substances listed in Section 3 and 4?

_____ Yes

_____ No

If no, will additional operation and maintenance and/or pretreatment be required to comply?

_____ Yes

_____ No

*If yes, provide summary of details.

F. Residuals

Residuals include any material-liquid, sludge, slurry, ash, solid-which must be disposed of after use in or removal from an industrial activity, but not discharged to the County's sewer system.

- 1. Cleaning solvents which are recycled but periodically changed to provide fresh material.
- 2. Machining coolants which are recycled but periodically changed to provide fresh material.
- 3. Sludges which result from wastewater pretreatment.
- 4. Unusual product
- 5. Metal shavings from a grinding operation

Describe any liquid, sludge, or solid waste generated from plant operations, including pretreatment of wastewaters which are not discharged to the sanitary sewer.

<u>Residual</u>	<u>Means of Disposal</u>
a. _____	_____
b. _____	_____
c. _____	_____
d. _____	_____
e. _____	_____

Are oil and grease or sand interceptors in place?

_____ Yes _____ No In plans _____

Are backflow devices in place?

_____ Yes _____ No In plans _____

G. Plans

Include with this form a copy of the general site plans. All sewers, sewer connections, inspection manholes, and sampling facilities, including appurtenances by size, location, and elevation must be shown. Indicate the location of discharge from various processes into the plant gravity plumbing system (Detailed flow diagram). Also include a plan and profile sheet of all sanitary sewers to which the plant is connected indicating the location of the connection of the plant lateral to the collector sewer shown.

H. Does your facility have a Spill/ Slug Load Control Plan?

_____ Yes _____ No

Describe spill detection procedures, persons notified, and methods of isolating spill in plant drainage system, companies that can pump out spill, haul, and dispose of it.

I. Compliance with Categorical Standards

Describe the status of wastewater treatment at your own company in regard to meeting Categorical Pretreatment Standards, if applicable.

Provide a schedule of expected compliance dates (new or upgraded facilities only)

Pretreatment Facility Planning	_____	(month/year)
Design	_____	(month/year)
Initiate Construction	_____	(month/year)
Complete Construction	_____	(month/year)
Other Relevant Dates	_____	(month/year)

J. Certification

“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, complete and current. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Signature of Officer or Owner

Title

Date

Signature of Application Preparer

Title

Date

129 Priority Pollutants

2, 4, 6 TRICHLOROPHENOL

ANTHRACENE

P CHLORO-M-CRESOL
 2-CHLOROPHENOL
 2, 4 DICHLOROPHENOL
 2, 4 DIMETHYLPHENOL
 2-NITROPHENOL
 4-NITROPHENOL
 2, 4-DINITROPHENOL
 4, 6-DINITRO-O-CRESOL
 PENTACHLOROPHENOL
 PHENOL
 ACENAPHTENE
 BENZIDINE
 1, 2, 4-TRICHLOROBENZENE
 HEXACHLOROBENZENE
 HEXACHLOROETHANE
 BIS (2-CHLOROETHYL) ETHER
 2-CHLORONAPHTHALENE
 1, 2-DICHLOROBENZENE
 1, 3-DICHLOROBENZENE
 1, 4-DICHLOROBENZENE
 3, 3-DICHLOROBENZIDINE
 2, 4-DINITROTOLUENE
 2, 6-DINITROTOLUENE
 1, 2-DIPHENYLHYDRAZINE
 FLOURANTHENE
 4-CHLOROPHENYL PHENYL ETHER
 4-BROMOPHRNYL PHENYL ETHER
 BIS (2-CHLOROISOPORPYL) ETHER
 BIS (2-CHLOROETHOXY) ETHER
 HEXACHLOROBUTADIENE
 HEXACHLOROCYCLOPENTADIENE
 ISOPHORONE
 NAPHTHALENE
 NITROBENZENE
 N-NITROSODIMETHYLAMINE
 N-NITROSODIPHENYLAMINE
 N-NITROSODI-N-PROPYLAMINE
 BIS (2-ETHYLHEXYL) PHTHALATE
 BUTYL BENZYL PHTHALATE
 DI-N-BUTYL PHTHALATE
 DI-N-OCTYL PHTHALATE
 DIETHYL PHTHALATE
 DIMETHYL PHTHALATE
 BENZO (A) ANTHRACENE
 BENZO (A) PYRENE
 3, 4-BENZOFUORANTHENE
 BENZO (K) FLUOROANTHENE
 CHRYSENE
 ACENAPHTHYLENE
 BENZO (GHI) PERYLENE
 FLOURENE
 PHENANTHRENE
 DIBENZO (A, H) ANTHRACENE
 INDENO (1,2,3-CD)PYRENE
 PYRENE
 ACROLEIN
 ACROLONITRILLE
 BENZENE
 CARBON TETRACHLORIDE
 CHLOROBENZENE
 METHYL BROMIDE
 1, 2-DICHLOROETHANE
 1,1,1-TRICHLOROETHANE
 1,1-DICHLOROETHANE
 1,1,2-TRICHLOROETHANE
 1,1,2,2-TETRACHLOROETHANE
 CHLOROETHANE
 2-CHLOROETHYL VINYL ETHER
 CHLOROFORM
 1,1-DICHLOROETHANE
 1,1-TRANS-DICHLOROETHANE
 1,2-DICHLOROPROPANE
 CIS-1,3-DICHLOROPROPYLENE
 ETHYLBENZENE
 METHYLENE CHLORIDE
 METHYL CHLORIDE
 BROMOFORM
 DICHLOROBROMOETHANE
 TRICHLOROFLOUROMETHANE
 CHLORODIBROMOMETHANE
 TETRACHLOROETHYLENE
 TOLUENE
 TRICHLOROETHENE
 VINYL CHLORIDE
 TOTAL XYLENES
 ALDRIN
 DIELDRIN
 CHLORDANE
 4,4-DDT
 4,4-DDE
 4,4-DDD
 ALPHA ENDOSULFAN
 BETA ENDOSLFAN
 ENDOSULFAN SULFATE
 ENDRIN
 ENDRINE ALDEHYDE
 HEPTACHLOR
 HEPTACHLOR EPOXIDE

129 Priority Pollutants
 (continued)

ALPHA BHC
BETA BHC
PCB 1242
LINDANE - GAMMA BHC
DELTA BHC
PCB 1254
PCB 1221
PCB 1232
PCB 1248
PCB 1260
PCB 1016
TOXAPHENE
METHOXYCHLOR
ANTIMONY (T)
ARSENIC (T)
ASBESTOS (FIBROUS)
BERYLLIUM (T)
CADMIUM (T)
CHROMIUM (T)
COPPER (T)
CYANIDE (T)
LEAD (T)
MERCURY (T)
NICKEL (T)
SELENIUM (T)
SILVER (T)
THALLIUM (T)
ZINC (T)
2, 3, 7, 8-TETRACHLORO DIBENZO-P-DIOXIN (TCDD)