

**INDUSTRIAL WASTEWATER QUESTIONNAIRE**

Construction Permit  
Number

*This form must be returned with Construction Permit Application  
For additional information regarding completion of this form, contact Al Tate, Environmental Coordinator at 724-347-4941*

Company Name \_\_\_\_\_ Phone \_\_\_\_\_

Owner/Agent Name \_\_\_\_\_ Title \_\_\_\_\_

Mailing Address \_\_\_\_\_ County \_\_\_\_\_

Facility Location Address \_\_\_\_\_ County \_\_\_\_\_

**The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete and accurate.**

Signature of Owner/Agent \_\_\_\_\_ Date \_\_\_\_\_

**Approval - City of Hermitage**  
**Environmental Coordinator** \_\_\_\_\_ **Date** \_\_\_\_\_

**I. PLANT OPERATIONS**

A. Brief description of manufacturing or service activities on premises in decreasing order of business volume (indicate associated SIC Number):

<u>SIC Code</u>	<u>Process Description</u>	<u>Product</u>	<u>% of Total Production</u>
_____ (Primary)	_____	_____	_____
_____ (Secondary)	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

B. Number of Employees \_\_\_\_\_

C. Is this a Batch Operation? Yes \_\_\_\_\_ No \_\_\_\_\_

Is this a Continuous Operation? Yes \_\_\_\_\_ No \_\_\_\_\_

D. Operating Information:

1. Hours of operation: \_\_\_\_\_

Hours per day: \_\_\_\_\_

Days per week: \_\_\_\_\_

Weeks per year: \_\_\_\_\_

2. Is there a scheduled shutdown? Yes \_\_\_\_\_ No \_\_\_\_\_ If yes, when? \_\_\_\_\_

3. Is production seasonal? Yes \_\_\_\_\_ No \_\_\_\_\_ If yes, explain, indicating month(s) of peak production. \_\_\_\_\_

4. Length of shift: \_\_\_\_\_ 8 Hours \_\_\_\_\_ 10 Hours \_\_\_\_\_ Other \_\_\_\_\_

5. Average number of employees per shift: \_\_\_\_\_ 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ 3<sup>rd</sup> \_\_\_\_\_

6. Shift start times: \_\_\_\_\_ 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ 3<sup>rd</sup> \_\_\_\_\_

7. Shifts normally worked each day:

	<u>Sunday</u>	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>
1 <sup>st</sup>	_____	_____	_____	_____	_____	_____	_____
2 <sup>nd</sup>	_____	_____	_____	_____	_____	_____	_____
3 <sup>rd</sup>	_____	_____	_____	_____	_____	_____	_____

8. How indicative of normal production is your current operation? (i.e., Are you at full production, half production, etc.) \_\_\_\_\_

E. Products Manufactured or Processed (Type and Amount): \_\_\_\_\_

F. Raw Materials Used (Type and Amount): \_\_\_\_\_

G. Chemicals Used (Type and Amount - Include catalysts, intermediates, etc.): \_\_\_\_\_

H. By-Products Produced (Type and Amount): \_\_\_\_\_

I. Are there any future expansions planned? \_\_\_\_\_

J. Is this facility in the process of being sold or being considered for sale? Yes \_\_\_\_\_ No \_\_\_\_\_ If yes, when \_\_\_\_\_

**II. GENERAL WATER / WASTEWATER INFORMATION**

A. Water Source:

1. Indicate gallons per month or cubic feet per month:

<u>Source</u>	<u>Total Usage</u>	<u>Number of Operating Days</u>	<u>Daily Average</u>
City	_____	_____	_____
Wells	_____	_____	_____
River	_____	_____	_____
Other	_____	_____	_____

2. a. Does water usage vary greatly during the production year? \_\_\_\_\_

b. Does water usage vary during the production week? \_\_\_\_\_

c. Does water usage vary during the production day? \_\_\_\_\_

3. If the answer is yes to any of the above three questions, list details. Note periods of maximum and minimum use. \_\_\_\_\_

4. a. Describe any raw water treatment process in use: \_\_\_\_\_

b. Are any water recycling or material reclaiming processes utilized? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, please describe. \_\_\_\_\_

B. Estimate amounts of water used in each process below:

Sanitary (restrooms, drinking fountains, showers, etc.)	_____	gallons per day
Cooling Water	_____	gallons per day
Boiler Feed	_____	gallons per day
Process Water	_____	gallons per day
Contained in Product	_____	gallons per day
Other	_____	gallons per day
TOTAL of Above	_____	gallons per day

C. 1. Does this facility discharge ANY wastewater to the local sanitary sewer? Yes \_\_\_\_\_ No \_\_\_\_\_

2. Does this facility discharge ANY wastewater to the local storm sewer? Yes \_\_\_\_\_ No \_\_\_\_\_

D. Does this facility have a National Pollutant Discharge Elimination System (NPDES) Permit? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, list permit numbers: Permit Number \_\_\_\_\_ Expiration Date \_\_\_\_\_

Permit Number \_\_\_\_\_ Expiration Date \_\_\_\_\_

If yes, does the permitted facility discharge any wastewater not covered under the NPDES permit(s)?

Yes \_\_\_\_\_ No \_\_\_\_\_

E. Does the facility discharge all of its wastewater / liquid wastes to the local sanitary sewer? Yes \_\_\_\_\_ No \_\_\_\_\_

If no, describe other disposal methods: \_\_\_\_\_

F. Is sanitary wastewater discharged separately from process wastewater? Yes \_\_\_\_\_ No \_\_\_\_\_

G. Are batch wastes discharged to the sewer? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, list batch discharge frequency, nature of waste, and volume.

Frequency (specify units): \_\_\_\_\_ Volume: \_\_\_\_\_ gallons per discharge

Nature of batch waste: \_\_\_\_\_

H. Is an analysis of the wastewater available? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, attach a copy of most recent analysis and describe location where sample was taken. Include date and time of sampling and type of discharge (i.e., total plant discharge, process waste only, etc.).

Were U.S. EPA-approved procedures used to collect and analyze the sample? Yes \_\_\_\_\_ No \_\_\_\_\_ Unknown \_\_\_\_\_

I. Is there a manhole or other access for taking a wastewater sample? Yes \_\_\_\_\_ No \_\_\_\_\_

J. List average volume of discharge or water losses to:

<u>Outlet</u>	<u>Estimated Average Discharge (gallons per day)</u>
a. Sanitary Sewer	_____ gallons per day
b. Storm Sewer	_____ gallons per day
c. Evaporation	_____ gallons per day
d. Open Run or Creek or Surface Water	_____ gallons per day
e. Waste Hauler	_____ gallons per day
f. Contained in Product	_____ gallons per day
TOTAL of a thru f	_____ gallons per day

K. Are any process, product, or sanitary wastes being hauled by a private waste hauler? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, supply the following information:

Name of Hauler: \_\_\_\_\_

Describe Type of Waste: \_\_\_\_\_

Location of Dumping Site: \_\_\_\_\_

Volume of Waste: \_\_\_\_\_ Frequency (i.e., times daily, weekly, monthly): \_\_\_\_\_

L. Refer to the list below to generally characterize your wastewater. Check the substances that are contained in your wastewater.

- |   |   |
|---|---|
| _____ acids and acidic wastes                     | _____ alcohols                              |
| _____ alkali and caustic wastes                   | _____ ethers                                |
| _____ pickling wastes                             | _____ aldehydes, ketones                    |
| _____ other metal cleaning and preparation wastes | _____ organic acids                         |
| _____ plating wastes                              | _____ soaps, surfactants, detergents        |
| _____ electrocoating wastes                       | _____ oils                                  |
| _____ paints                                      | _____ fats, grease                          |
| _____ pigments                                    | _____ benzene and benzene derivatives       |
| _____ inks  | _____ latex wastes                          |
| _____ dyes  | _____ resins, monomers                      |
| _____ chlorinated organic compounds               | _____ waxes                                 |
| _____ brominated organic compounds                | _____ radioactive wastes                    |
| _____ organic solvents, thinners                  | _____ flammables                            |
| _____ hot wastes (104°F or higher)                | _____ inorganic solids (sand, gravel, etc.) |
| _____ SANITARY WASTES ONLY                        | _____ Other (list) _____                    |
| _____ phenol-containing wastes                    |   |

### III. SAMPLING

- A. State the location where wastes going to the sanitary sewer can be sampled or measured. \_\_\_\_\_  
\_\_\_\_\_

### IV. SPILL PREVENTION

- A. Is it possible to discharge or spill (i.e., floor drains) any of the following to the municipal sewerage system from a storage site or process area?
1. Toxic pollutants (priority pollutants as indicated in Section V). Yes \_\_\_\_\_ No \_\_\_\_\_
  2. Conventional pollutants (BOD, oil & grease, etc.) in unusual quantity or strength. Yes \_\_\_\_\_ No \_\_\_\_\_
  3. Flammable, explosive, corrosive, low pH, high temperature, etc. solutions and/or materials. Yes \_\_\_\_\_ No \_\_\_\_\_
  4. Materials that can cause obstruction of flow in sewers. Yes \_\_\_\_\_ No \_\_\_\_\_

If yes to any of the above, indicate pollutant. \_\_\_\_\_

- B. Is there a Spill Prevention Control and Countermeasure Plan in effect for any material used in this plant?  
Yes \_\_\_\_\_ No \_\_\_\_\_ If yes, please submit a copy.

### V. PRIORITY POLLUTANT INFORMATION

- A. In referring to the following table, please note which chemicals are or are not present in your manufacturing or service facility. Use the following to note the presence of the chemicals:

KA – Substance Known Absent  
SO – Stored Only

UK – Unknown  
KP – Substance Known Present

Review the contents of trade name products to aid in determining the presence of these priority pollutants. If your industry has any of these substances stored in your facility, even if not used in a process, please indicate.

#### PRIORITY POLLUTANTS

1 _____	acenaphthene	24 _____	2-chlorophenol
2 _____	acrolein	25 _____	1,2-dichlorobenzene
3 _____	acrylonitrile	26 _____	1,3-dichlorobenzene
4 _____	benzene	27 _____	1,4-dichlorobenzene
5 _____	benzidine	28 _____	3,3-dichlorobenzidine
6 _____	carbon tetrachloride (tetrachloromethane)	29 _____	1,1-dichloroethylene
7 _____	chlorobenzene	30 _____	1,2-trans-dichloroethylene
8 _____	1,2,4-trichlorobenzene	31 _____	2,4-dichlorophenol
9 _____	hexachlorobenzene	32 _____	1,2-dichloropropane
10 _____	1,2-dichloroethane	33 _____	1,3-dichloropropylene
11 _____	1,1,1-trichloroethane	34 _____	2,4-dimethylphenol
12 _____	hexachloroethane	35 _____	2,4-dinitrotoluene
13 _____	1,1-dichloroethane	36 _____	2,6-dinitrotoluene
14 _____	1,1,2-trichloroethane	37 _____	1,2-diphenylhydrazine
15 _____	1,1,2,2-tetrachloroethane	38 _____	ethylbenzene
16 _____	chloroethane	39 _____	fluoranthene
17 _____	bis (chloromethyl) ether	40 _____	4-chlorophenyl phenyl ether
18 _____	bis (2-chloroethyl) ether	41 _____	4-bromophenyl phenyl ether
19 _____	2-chloroethyl vinyl ether (mixed)	42 _____	bis (2-chloroisopropyl) ether
20 _____	2-chloronaphthalene	43 _____	bis (2-chloroethoxy) methane
21 _____	2,4,6-trichlorophenol	44 _____	methylene chloride (dichloromethane)
22 _____	parachlorometacresol	45 _____	methyl chloride (chloromethane)
23 _____	chloroform (trichloromethane)	46 _____	methyl bromide

- |    |       |  |     |       |   |
|----|-------|--|-----|-------|---|
| 47 | _____ | bromoform (tribromomethane)                      | 89  | _____ | aldrin                                      |
| 48 | _____ | dichlorobromomethane                             | 90  | _____ | dieldrin                                    |
| 49 | _____ | trichlorofluoromethane                           | 91  | _____ | chlordane (tech. mixture & metabolites)     |
| 50 | _____ | dichlorodifluoromethane                          | 92  | _____ | 4,4' - DDT                                  |
| 51 | _____ | chlorodibromomethane                             | 93  | _____ | 4,4' - DDE (p,p' DDX)                       |
| 52 | _____ | hexachlorobutadiene                              | 94  | _____ | 4,4' - DDD (p,p'-TDE)                       |
| 53 | _____ | hexachlorocyclopentadiene                        | 95  | _____ | alpha-endosulfan                            |
| 54 | _____ | isophorone                                       | 96  | _____ | beta-endosulfan                             |
| 55 | _____ | naphthalene                                      | 97  | _____ | endosulfan sulfate                          |
| 56 | _____ | nitrobenzene                                     | 98  | _____ | endrin                                      |
| 57 | _____ | 2-nitrophenol                                    | 99  | _____ | endrin aldehyde                             |
| 58 | _____ | 4-nitrophenol                                    | 100 | _____ | heptachlor                                  |
| 59 | _____ | 2,4-dinitrophenol                                | 101 | _____ | heptachlor epoxide                          |
| 60 | _____ | 4,6-dinitro-o-cresol                             | 102 | _____ | alpha-BHC                                   |
| 61 | _____ | N-nitrosodimethylamine                           | 103 | _____ | beta-BHC                                    |
| 62 | _____ | N-nitrosodiphenylamine                           | 104 | _____ | gamma-BHC (lindane)                         |
| 63 | _____ | N-nitrosodi-n-propylamine                        | 105 | _____ | delta-BHC                                   |
| 64 | _____ | pentachlorophenol                                | 106 | _____ | PCB-1242 (Aroclor 1242)                     |
| 65 | _____ | phenol (4APP method)                             | 107 | _____ | PCB-1254 (Aroclor 1254)                     |
| 66 | _____ | bis (2-ethylhexy)                                | 108 | _____ | PCB-1221 (Aroclor 1221)                     |
| 67 | _____ | butyl benzyl phthalate                           | 109 | _____ | PCB-1232 (Aroclor 1232)                     |
| 68 | _____ | di-n-butyl phthalate                             | 110 | _____ | PCB-1248 (Aroclor 1248)                     |
| 69 | _____ | di-n-octyl phthalate                             | 111 | _____ | PCB-1260 (Aroclor 1260)                     |
| 70 | _____ | diethyl phthalate                                | 112 | _____ | PCB-1016 (Aroclor 1016)                     |
| 71 | _____ | dimethyl phthalate                               | 113 | _____ | Toxaphene                                   |
| 72 | _____ | benzo (a) anthracene (1,2-benzanthracene)        | 114 | _____ | Antimony (Total)                            |
| 73 | _____ | benzo (a) pyrene (3,4-benzopyrene)               | 115 | _____ | Arsenic (Total)                             |
| 74 | _____ | benzofluoranthene                                | 116 | _____ | Asbestos (Fibrous)                          |
| 75 | _____ | benzo (k) fluoranthene (11,12-benzofluoranthene) | 117 | _____ | Beryllium (Total)                           |
| 76 | _____ | chrysene   | 118 | _____ | Cadmium (Total)                             |
| 77 | _____ | acenaphthylene                                   | 119 | _____ | Chromium (Total)                            |
| 78 | _____ | anthracene                                       | 120 | _____ | Copper (Total)                              |
| 79 | _____ | benzo (ghi) perylene (1,12-benzoperylene)        | 121 | _____ | Cyanide (Total)                             |
| 80 | _____ | fluorene   | 122 | _____ | Lead (Total)                                |
| 81 | _____ | phenanthrene                                     | 123 | _____ | Mercury (Total)                             |
| 82 | _____ | dibenzo (a,h) anthracene                         | 124 | _____ | Nickel (Total)                              |
| 83 | _____ | indeno (1,2,3-cd) pyrene                         | 125 | _____ | Selenium (Total)                            |
| 84 | _____ | pyrene   | 126 | _____ | Silver (Total)                              |
| 85 | _____ | tetrachloroethylene                              | 127 | _____ | Thallium (Total)                            |
| 86 | _____ | toluene  | 128 | _____ | Zinc (Total)                                |
| 87 | _____ | trichloroethylene                                | 129 | _____ | 2,3,7,8-tetrachlorodi-benzo-p-dioxin (TCDD) |
| 88 | _____ | vinyl chloride (chloroethylene)                  |     |       |   |

B. For the chemical compounds above which are known present, please give the following information for each:

<u>Item No.</u>	<u>Chemical Compound</u>	<u>Annual Usage (lbs.)</u>	<u>Estimated Loss to Sewer (lbs./year)</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Note: If the above units are not appropriate, list data in other units, but be specific. Use additional paper if necessary.

**VI. PRETREATMENT**

A. Is this plant subject to an existing Federal Pretreatment Standard? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, are Pretreatment Standards being met on a consistent basis? \_\_\_\_\_

B. Is the wastewater or any portion thereof being pretreated before discharge? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, state amount and type of pretreatment. \_\_\_\_\_

\_\_\_\_\_

C. Residuals Information

1. Are any residuals created from the pretreatment processes? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, describe residuals. \_\_\_\_\_

2. Indicate quantity of residuals created (specify units). \_\_\_\_\_

3. Describe method of residue disposal. \_\_\_\_\_

4. Is the residue considered a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA)?

Yes \_\_\_\_\_ No \_\_\_\_\_ Undetermined \_\_\_\_\_

**VII. SEWER CONNECTION AND DISCHARGE INFORMATION**

A. List facility sewer outlets, size and flow. Use additional sheet if necessary.

<u>Ref. No.</u>	<u>Sewer Size (inches)</u>	<u>Location of Connection or Discharge Point</u>	<u>Source of Discharge</u>	<u>Avg. Flow (GPD)</u>
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____

B. Provide a block flow diagram of process water and sanitary waste in your facility.

C. Provide on an attached sheet, a drawing of the facility showing locations of sewers referred to in Section A above. Show locations of possible sampling points for sewers, buildings, streets, alleys, and other pertinent physical structures.