

**APPENDIX A: INDUSTRIAL WASTE PRETREATMENT (IWP) PERMIT APPLICATION**

**INDUSTRIAL WASTE PRETREATMENT (IWP) PERMIT APPLICATION**

Unless stated otherwise, all items are to be filled out completely. If an item is not applicable, indicate by noting NA.

Section I Applicant and Facility Description

1. Name of Facility \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
2. Mailing Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Address of Premises \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete and accurate.

\_\_\_\_\_  
Printed Name of Signing Official      Title

\_\_\_\_\_  
Signature of Signing Official      Date

4. Applicant's Authorized Agent or Contact Official

\_\_\_\_\_  
Name and Title

\_\_\_\_\_  
Phone

## Crawfordsville – Public Works

### Section II      Plant Operations

1. Provide a detailed description of the manufacturing process or service activity provided on the premises (use additional sheets if necessary):
2. Principal raw materials used:
3. Chemicals and compounds used:
4. Description of products or services:
5. If your facility is subject to a National Categorical Pretreatment Standard, has a baseline report (403.12(b)) been submitted? If so, when?

### Section III      Water Usage and Discharge Information

1. List intake water sources and volumes:

<u>Source</u>	<u>Volume</u>
Municipal Water System	_____ gallons/day
Surface Water	_____ gallons/day
Private Well	_____ gallons/day
Other (specify)	_____ gallons/day

2. List average volume of discharge or water loss to:

City Sewer System	_____ gallons/day
Natural Outlet	_____ gallons/day
Waste Hauler	_____ gallons/day
Evaporation	_____ gallons/day
Contained in Product	_____ gallons/day
Other (specify)	_____ gallons/day

## Sewers

3. List average water usage for:

- \* Process Waste stream #1 \_\_\_\_\_ gallons/day
- \* Process Waste stream #2 \_\_\_\_\_ gallons/day
- \* Process Waste stream #3 \_\_\_\_\_ gallons/day
- \* Cooling Water \_\_\_\_\_ gallons/day
- \* Sanitary Water \_\_\_\_\_ gallons/day
- \* Boiler Feed \_\_\_\_\_ gallons/day
- \* Other (specify) \_\_\_\_\_ gallons/day

\* These values must be average measured volumes, not approximated.

4. Describe how each process waste stream is generated:

5. Is the discharge to the sewer: Continuous \_\_\_\_ Batch  
If batch discharge give the frequency of occurrence  
What is the average volume in gallons of each batch?

6. Provide a schematic of the plant flow showing process, sanitary, cooling streams, etc., and their point of entry into the sewer system. Indicate on the schematic, the point where sampling will occur.

### Section IV Pretreatment

1. Describe any wastewater treatment equipment of processes in use:

2. Describe any additional pretreatment facilities and/or processes under consideration. Include a specific time for completion:

3. If a pretreatment system exists, what method is utilized to dispose to pretreatment sludges/residuals?

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### Section V Wastewater Characteristics

1. Attach any sampling data pertaining to the facility discharge to the sewer system. Explain where and when the sampling was accomplished, what type of sample was taken (i.e., grab, composite), and how many were analyzed.
2. If no sampling data is available, testing must be performed on the discharge for any pollutant believed to be present. The sample must be a 24-hour composite taken during normal production activity and/or representing typical wastewater flows. A representative list of pollutants is contained in Table I attached to this application. Please check the pollutants you know or suspect of being in your discharge.

### Section VI Mailing Address

Send completed application with attachments and enclosures to:

#### TABLE I

##### PRIORITY POLLUTANTS

#### I. METALS AND INORGANICS

- Antimony; Sb
- Arsenic; As
- Asbestos
- Beryllium; Be
- Cadmium; Cd
- Chromium; Cr
- Copper; Cu
- Cyanides; CN
- Lead; Pb
- Mercury; Hg
- Nickel; Ni
- Selenium; Se
- Silver; Ag
- Thallium; Tl
- Zinc; Zn

- Phthalate, diethyl; DEP
- Phthalate, di-n-butyl; DBP
- Phthalate, di-n-octyl; DOP
- Phthalate, bis(2-ethylhexyl); DEHP
- Phthalate, butyl benzyl; BBP

#### IV. TOXIC ORGANICS; NITROGEN COMPOUNDS

- Nitrosamine, dimethyl
- Nitrosamine, diphenyl
- Nitrosamine, di-n-propyl
- Benzidine
- Benzidine, 3,3'-dichloro
- Hydrazine, 1,2-diphenyl
- Acrylonitrile

#### II. TOXIC ORGANICS: ETHERS

- Ether, bis(2-chloroethyl)
- Ether, bis(2-chloroisopropyl)
- Ether, 2-chloroethyl vinyl
- Ether, 4-chlorophenyl phenyl
- Ether, 4-bromophenyl phenyl
- Bis (2-chloroethoxy) methane

#### V. TOXIC ORGANICS: PHENOLS

- Phenol
- Phenol, 2-chloro
- Phenol, 2,4-dichloro; 2,4-DCP
- Phenol, 2,4,6-trichloro
- Phenol, pentachloro; PCP
- Phenol, 2-nitro
- Phenol, 4-nitro
- Phenol, 2,4-dinitro; 2,4-DNP
- Phenol, 2,4-dimethyl
- m-Cresol, p-chloro
- o-Cresol, 4,6-dinitro; DNOC

#### III. TOXIC ORGANICS: PHTHALATES

- Phthalate, dimethyl; DMP

## Sewers

### VI. TOXIC ORGANICS; AROMATICS

- Benzene
- Benzene, chloro
- Benzene, 1,2-dichloro
- Benzene, 1,3-dichloro
- Benzene, 1,4-dichloro
- Benzene, 1,2,4-trichloro
- Benzene, hexachloro; HCB
- Benzene, ethyl
- Benzene, nitro
- Toluene
- Toluene, 2,4-dinitro; DNT
- Toluene, 2,6-dinitro

### VII. TOXIC ORGANICS: POLYNUCLEAR AROMATIC HYDROCARBONS

- 2-Chloronaphthalene
- Benzo (a) anthracene
- Benzo (b) fluoranthene; B(b)F
- Benzo (k) fluoranthene; B(k)F
- Benzo (a) pyrene; BaP
- Ideno (1,2,3-cd) pyrene; IP
- Dibenzo (a,h) anthracene; DBA
- Benzo (ghi) perylene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Chrysene
- Fluoranthene
- Fluorene
- Naphthalene
- Phenanthrene
- Pyrene

### VIII. TOXIC ORGANICS: PCB'S

- PCB-1016; Aroclor 1016
- PCB-1221; Aroclor 1221
- PCB-1232; Aroclor 1232
- PCB-1242; Aroclor 1242
- PCB-1248; Aroclor 1248
- PCB-1254; Aroclor 1254
- PCB-1260; Aroclor 1260

### IX. TOXIC ORGANICS: HALOGENATED HYDROCARBONS; HALOGENATED ALIPHATICS

- Methane, chloro; Methyl chloride
- Methane, dichloro; Methylene chloride
- Methane, trichloro; Chloroform
- Methane, tetrachloro; Carbon tetrachloride
- Ethane, chloro
- Ethane, 1,1-dichloro
- Ethane, 1,2-dichloro
- Ethane, 1,1,1-trichloro
- Ethane, 1,1,2-trichloro
- Ethane, 1,1,2,2-tetrachloro
- Ethane, hexachloro
- Ethane, chloro; Vinyl chloride
- Propane, 1,2-dichloro
- Propane, 1,3-dichloro
- Butadiene, hexachloro; HCB
- Cyclopentadiene, hexachloro; HCCPD
- Methane, bromo; Methyl bromide
- Methane, dichlorobromo
- Methane, chlorodibromo
- Methane, tribromo; Bromoform
- Ethene, trichloro
- Ethene, 1,1-dichloro; 1,1-DCE
- Ethene, 1,2-trans-dichloro
- Ethene, tetrachloro

### X. TOXIC ORGANICS: PESTICIDES

- alpha-Endosulfan
- Endosulfan sulfate
- beta-Endosulfan

### Hexachlorocyclohexanes:

- alpha-BHC
- beta-BHC
- delta-BHC
- gamma-BHC; Lindane
- Aldrin; HHDN
- Dieldrin; HEOD
- 4,4'-DDE
- 4,4'-DDT; p,p'-DDT
- 4,4'-DDD; p,p'-DDD; p,p'-TDE
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Chlordane
- Toxaphene

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### **XI. TOXIC ORGANICS; OXYGENATED COMPOUNDS**

— Acrolein

### **XII. TOXIC ORGANICS; MISCELLANEOUS**

— Isophorone  
— 2,3,7,8-tetrachlorodibenzo-p-dioxin; TCDD;  
dioxin

### **CONVENTIONAL POLLUTANTS**

— BOD<sub>5</sub>  
— pH  
— Total Suspended Solids (TSS)  
— Oil and Grease (O&G)

### **NONCONVENTIONAL POLLUTANTS OF CONCERN**

— Ammonia (NH<sub>3</sub>)  
— Chlorides (Cl<sup>-</sup>)  
— Sulfides (S<sup>-2</sup>)  
— Total Dissolved Solids (TDS)  
— Phosphates  
— Chemical Oxygen Demand(COD)