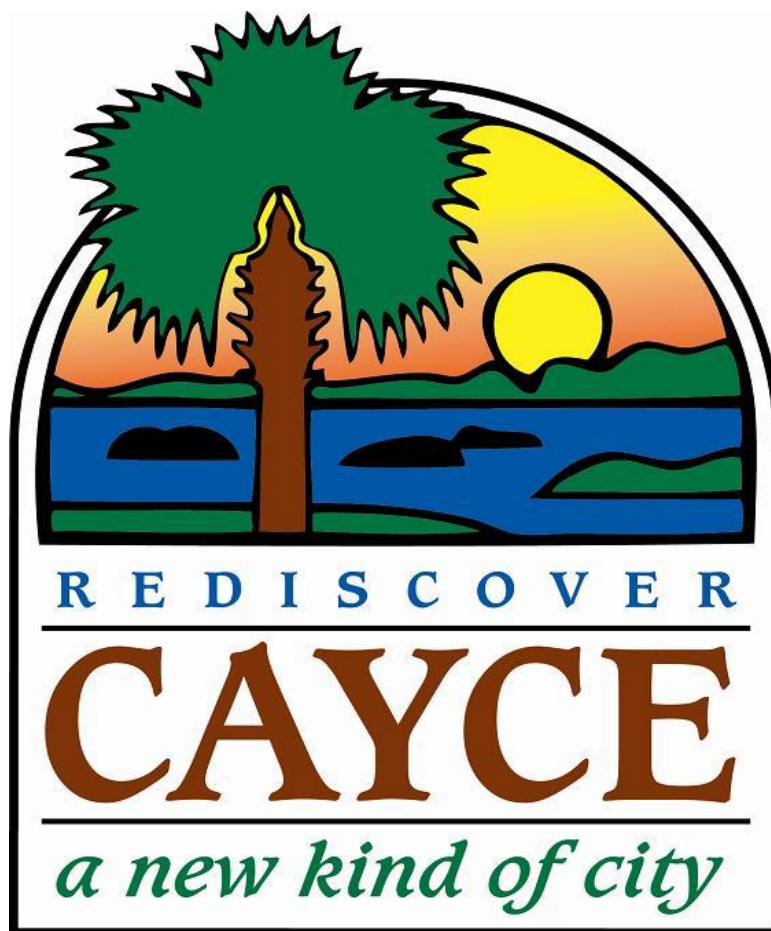


**CITY OF CAYCE**  
**NON-DOMESTIC WASTE SURVEY**  
**QUESTIONNAIRE**



City of Cayce  
1800 Twelfth Street  
P. O. Box 2004  
Cayce-West Columbia, South Carolina 29171  
(803) 796-9020

**NON-DOMESTIC WASTEWATER CONTRIBUTION PERMIT  
APPLICATION**

**CITY OF CAYCE, SOUTH CAROLINA**

The undersigned being the \_\_\_\_\_  
(Owner, Leasee, Tenant, Etc.)  
of property located at \_\_\_\_\_

does hereby request a Wastewater Discharge Permit. The Permittee is  
engaged in \_\_\_\_\_ business at the  
said location.

The exact Name of the Permittee (Industry) that should appear on the  
Wastewater Discharge Permit is: \_\_\_\_\_

The mailing address is: \_\_\_\_\_  
\_\_\_\_\_

The following documents are required prior to issuing a Wastewater  
Discharge Permit:

1. A plan to the property showing accurately all sewers and drains.
2. Plan and specifications covering the work proposed to be performed under this permit.
3. A complete schedule of all process waters and industrial wastes produced or expected to be produced at said property, including a description of the character of each waste, the daily volume and maximum rates of discharge, representative analyses, and compliance with any applicable Pretreatment Standard or Requirements. "I understand that it is my responsibility to operate and maintain the pretreatment facility, and to meet the Wastewater Discharge Limits that will be issued in the Wastewater Discharge Permit by the City of Cayce. I also understand that I must obtain a Permit to Construct from SCDHEC prior to the construction of pretreatment facilities and a Permit to Operate from SCDHEC and the City of Cayce prior to the start-up of pretreatment facilities, if applicable."

"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 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, including the

possibility of fine and imprisonment for knowing violations.”

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Signature	Printed Name	Title	Date
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APPENDIX B

NON-DOMESTIC WASTE SURVEY QUESTIONNAIRE

**SECTION A - GENERAL INFORMATION**

A.1. Company name, mailing address, and telephone number:

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Zip Code \_\_\_\_\_ Telephone No. (    ) \_\_\_\_\_

A.2 Address of production or manufacturing facility. (If same as above, check \_\_\_\_\_.)

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Zip Code \_\_\_\_\_ Telephone No. (    ) \_\_\_\_\_

Note to Signing Official: In accordance with Title 40 of the Code of Federal Regulations Part 403 section 403.14, information and data provided in this questionnaire which identifies the nature and frequency of discharge shall be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CAR Part 2. Should a discharge permit be required for your facility, the information in this questionnaire will be used to issue the permit.

This is to be signed by an authorized official of your firm after adequate completion of this form and review of the information by the signing official.

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment.

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
Signature of Official  
(Seal if applicable)

A.3 Name, title, and telephone number of person authorized to represent this firm in official dealings with the Sewer Authority and/or City:

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A.4 Alternate person to contact concerning Information provided herein:

Name \_\_\_\_\_ Title \_\_\_\_\_ Tel. No. \_\_\_\_\_

A.5 Identify the type of business conducted (auto repair, machine shop, electroplating, warehousing, painting, printing, meat packaging, food processing, etc.

A.6 Provide a brief narrative description of the manufacturing, production, or service activities your firm conducts.

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A.7 Standard Industrial Classification Number(s) (SIC Code) for your facilities:

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A.8 This facility generates the following types of wastes (check all that apply):

AVERAGE GALLONS PER DAY

- |    |                          |                                     |                          |           |                          |          |
|----|--------------------------|-------------------------------------|--------------------------|-----------|--------------------------|----------|
| 1. | <input type="checkbox"/> | Domestic wastes _____               | <input type="checkbox"/> | estimated | <input type="checkbox"/> | measured |
|    |                          | (restrooms, employee showers, etc.) |                          |           |                          |          |
| 2. | <input type="checkbox"/> | Cooling water, _____                | <input type="checkbox"/> | estimated | <input type="checkbox"/> | measured |
|    |                          | non-contact                         |                          |           |                          |          |
| 3. | <input type="checkbox"/> | Boiler/Tower _____                  | <input type="checkbox"/> | estimated | <input type="checkbox"/> | measured |
|    |                          | blow down                           |                          |           |                          |          |
| 4. | <input type="checkbox"/> | Cooling water, _____                | <input type="checkbox"/> | estimated | <input type="checkbox"/> | measured |
|    |                          | contact                             |                          |           |                          |          |
| 5. | <input type="checkbox"/> | Process _____                       | <input type="checkbox"/> | estimated | <input type="checkbox"/> | measured |
| 6. | <input type="checkbox"/> | Equipment/ _____                    | <input type="checkbox"/> | estimated | <input type="checkbox"/> | measured |
|    |                          | Facility wash down                  |                          |           |                          |          |
| 7. | <input type="checkbox"/> | Air Pollution _____                 | <input type="checkbox"/> | estimated | <input type="checkbox"/> | measured |
|    |                          | Control Unit                        |                          |           |                          |          |

8.  Storm water runoff  
to sewer \_\_\_\_\_  estimated  measured

9.  Other (describe) \_\_\_\_\_  estimated  measured

Total A.8.1 - A.8.9 \_\_\_\_\_

A.9 Waste are discharged to (check all that apply):

AVERAGE GALLONS PER DAY

<input type="checkbox"/> Sanitary sewer	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> Storm sewer	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> Surface water	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> Ground water	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> Waste haulers	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> Evaporation	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
<input type="checkbox"/> Other (describe)	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured

Provide name and address of waste hauler(s), if used.

\_\_\_\_\_

A.10 Is a Spill Prevention Control and Countermeasure Plan prepared for the facility?  Yes  No

A.11 List any environmental control permits issued to the facility and any discharge limits associated with those permits.

\_\_\_\_\_  
\_\_\_\_\_

**Note:** If your facility did not check one or more of the items listed A.8.4 through A.8.9 above, then you do not need to complete any further sections in this survey/application. If any items A.8.4 through A.8.9 were checked, complete the remainder of this survey application.



**SECTION C - WASTEWATER INFORMATION**

C.1 Please indicate with an "X" all of the following activities which are a part of operations at your facility:

- 1. [ ] Adhesives Formulation
- 2. [ ] Aluminum Forming
- 3. [ ] Asbestos Manufacturing
- 4. [ ] Battery Manufacturing
- 5. [ ] Beverage Bottling
- 6. [ ] Cement Manufacturing
- 7. [ ] Carbon Black Manufacturing
- 8. [ ] Coal Mining
- 9. [ ] Coil Coating
- 10. [ ] Copper Forming
- 11. [ ] Dairy Products Processing
- 12. [ ] Electric & Electronic Components Manufacturing
- 13. [ ] Electroplating
- 14. [ ] Explosives Manufacturing
- 15. [ ] Ferroalloy Manufacturing
- 16. [ ] Fertilizer Production
- 17. [ ] Food/edible Products Processing
- 18. [ ] Glass Manufacturing
- 19. [ ] Grain Mills
- 20. [ ] Gum & Wood Chemicals Manufacturing
- 21. [ ] Hospital
- 22. [ ] Inorganic Chemicals Manufacturing
- 23. [ ] Iron & Steel
- 24. [ ] Laundry
- 25. [ ] Leather Tanning & Finishing
- 26. [ ] Mechanical Products Manufacturing
- 27. [ ] Metal Finishing
- 28. [ ] Metal Molding
- 29. [ ] Mineral Mining
- 30. [ ] Nonferrous Metals Forming
- 31. [ ] Oil & Gas Extraction
- 32. [ ] Ore Mining
- 33. [ ] Organic chemicals, Plastics, or Synthetic Fibers
- 34. [ ] Paint & Ink Manufacturing
- 35. [ ] Paving & Roofing Materials
- 36. [ ] Pesticides Manufacturing
- 37. [ ] Petroleum Refining
- 38. [ ] Pharmaceuticals Manufacturing
- 39. [ ] Phosphate Manufacturing
- 40. [ ] Photographic Supplies Manufacturing
- 41. [ ] Plastics Processing
- 42. [ ] Porcelain Enameling Processing
- 43. [ ] Printing & Publishing
- 44. [ ] Pulp & Paper Processing
- 45. [ ] Rubber Processing
- 46. [ ] Slaughter/Meat Packing/Rendering/Feedlots



- 47. [ ] Soaps & Detergents Manufacturing
- 48. [ ] Steam electric Power Generating
- 49. [ ] Textile Mills
- 50. [ ] Timber Products Processing
- 51. [ ] Other

C.2. Pretreatment devices or processes used for treating wastewater or sludge (check as many as appropriate).

- [ ] Air Flotation
- [ ] Centrifuge
- [ ] Chlorination
- [ ] Cyclone
- [ ] Filtration
- [ ] Flow Equalization
- [ ] Grease or oil separation, type \_\_\_\_\_
- [ ] Grease trap
- [ ] Grit Removal
- [ ] Ion Exchange
- [ ] Neutralization, pH correction
- [ ] Ozonation
- [ ] Reverse Osmosis
- [ ] Screen
- [ ] Sedimentation
- [ ] Septic tank
- [ ] Solvent separation
- [ ] Spill protection
- [ ] Sump
- [ ] Biological treatment, type \_\_\_\_\_
- [ ] Rainwater diversion or storage
- [ ] Other chemical treatment, type \_\_\_\_\_
- [ ] Other physical treatment, type \_\_\_\_\_
- [ ] Other, type \_\_\_\_\_
- [ ] No pretreatment provided

C.3 If any wastewater analyses have been performed on the wastewater discharge(s) from your facilities, attach a copy of the most recent data to this questionnaire. Be sure to include the date of analysis, name of laboratory performing the analysis, and location(s) from which sample(s) were taken (attach sketches, plans, etc., as necessary).

C.4 Priority Pollutant Information: Please indicate by placing an "X" in the appropriate box by each listed chemical whether it is "Suspected to be Absent," "Known to be Absent," "Suspected to be Present," or "Known to be Present" in your manufacturing or service activity or generated as a by-product.

CHEMICAL COMPOUND	KNOWN PRESENT	SUSPECTED PRESENT	KNOWN ABSENT	SUSPECTED ABSENT
----------------------	------------------	----------------------	-----------------	---------------------

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**I. METALS AND  
INORGANIC**

1. Antimony	[ ]	[ ]	[ ]	[ ]
2. Arsenic	[ ]	[ ]	[ ]	[ ]
3. Asbestos	[ ]	[ ]	[ ]	[ ]
4. Beryllium	[ ]	[ ]	[ ]	[ ]
5. Cadmium	[ ]	[ ]	[ ]	[ ]
6. Chromium	[ ]	[ ]	[ ]	[ ]
7. Copper	[ ]	[ ]	[ ]	[ ]
8. Cyanide	[ ]	[ ]	[ ]	[ ]
9. Lead	[ ]	[ ]	[ ]	[ ]
10. Mercury	[ ]	[ ]	[ ]	[ ]
11. Nickel	[ ]	[ ]	[ ]	[ ]
12. Selenium	[ ]	[ ]	[ ]	[ ]
13. Silver	[ ]	[ ]	[ ]	[ ]
14. Thallium	[ ]	[ ]	[ ]	[ ]
15. Zinc	[ ]	[ ]	[ ]	[ ]

**II. PHENOLS AND  
CRESOL**

16. Phenol (s)	[ ]	[ ]	[ ]	[ ]
17. Phenol, 2-clair	[ ]	[ ]	[ ]	[ ]
18. Phenol, 2,4 dichloro	[ ]	[ ]	[ ]	[ ]
19. Phenol, 2,4,6 trichloro	[ ]	[ ]	[ ]	[ ]
20. Phenol, pentachloro	[ ]	[ ]	[ ]	[ ]
21. Phenol, 2-nitro	[ ]	[ ]	[ ]	[ ]
22. Phenol, 4-nitro	[ ]	[ ]	[ ]	[ ]
23. Phenol, 2,4- Dinitro	[ ]	[ ]	[ ]	[ ]
24. Phenol, 2,4 Dimethyl	[ ]	[ ]	[ ]	[ ]
25. m-Cresol, p-clair	[ ]	[ ]	[ ]	[ ]
26. o-Cresol, 4-6-Dinitro	[ ]	[ ]	[ ]	[ ]

CHEMICAL COMPOUND	KNOWN PRESENT	SUSPECTED PRESENT	KNOWN ABSENT	SUSPECTED ABSENT
----------------------	------------------	----------------------	-----------------	---------------------

**III. MONOCYCLIG AROMATICS (EXCLUDING PHENOLS, CRESOLS AND PHTHALATES)**

27.	Benzene	[ ]	[ ]	[ ]	[ ]
28.	Benzene, chloro	[ ]	[ ]	[ ]	[ ]
29.	Benzene, 1,2 dichloro	[ ]	[ ]	[ ]	[ ]
30.	Benzene, 1,3 dichloro	[ ]	[ ]	[ ]	[ ]
31.	Benzene, 1,4 dichloro	[ ]	[ ]	[ ]	[ ]
32.	Benzene, 1,2,4 trichloro	[ ]	[ ]	[ ]	[ ]
33.	Benzene, hexachloro	[ ]	[ ]	[ ]	[ ]
34.	Benzene, ethyl	[ ]	[ ]	[ ]	[ ]
35.	Benzene, nitro	[ ]	[ ]	[ ]	[ ]
36.	Toluene	[ ]	[ ]	[ ]	[ ]
37.	Toluene, 2,4 dinitro	[ ]	[ ]	[ ]	[ ]
38.	Toluene, 2,6 dinitro	[ ]	[ ]	[ ]	[ ]

**IV. PCBs AND RELATED COMPOUNDS**

39.	PCB-1016	[ ]	[ ]	[ ]	[ ]
40.	PCB-1221	[ ]	[ ]	[ ]	[ ]
41.	PCB-1232	[ ]	[ ]	[ ]	[ ]
42.	PCB-1242	[ ]	[ ]	[ ]	[ ]
43.	PCB-1248	[ ]	[ ]	[ ]	[ ]
44.	PCB-1254	[ ]	[ ]	[ ]	[ ]
45.	PCB-1260	[ ]	[ ]	[ ]	[ ]
46.	2-Chloronaphthalene	[ ]	[ ]	[ ]	[ ]

**V. ETHERS**

47.	Ether, bis (chloromethyl)	[ ]	[ ]	[ ]	[ ]
48.	Ether, bis 2-chloroethyl)	[ ]	[ ]	[ ]	[ ]
49.	Ether, bis (2-chlorosoprophyl)	[ ]	[ ]	[ ]	[ ]
50.	Ether, 2- chloroethyl vinyl	[ ]	[ ]	[ ]	[ ]
51.	Ether, 4-bromophenyl phenyl	[ ]	[ ]	[ ]	[ ]
52.	Ether, 4-chlorophenyl phenyl	[ ]	[ ]	[ ]	[ ]
53.	Bis (2-chloroethoxy) methane	[ ]	[ ]	[ ]	[ ]

CHEMICAL COMPOUND	KNOWN PRESENT	SUSPECTED PRESENT	KNOWN ABSENT	SUSPECTED ABSENT
----------------------	------------------	----------------------	-----------------	---------------------

**VI. NITROSAMINES AND OTHER NITROGEN CONTAINING COMPOUNDS**

54.	Nitrosamine, dimethyl	[ ]	[ ]	[ ]	[ ]
55.	Nitrosamine, diphenyl	[ ]	[ ]	[ ]	[ ]
56.	Nitrosamine, di-n-propyl	[ ]	[ ]	[ ]	[ ]
57.	Benzidine	[ ]	[ ]	[ ]	[ ]
58.	Benzidine, 3,3'-dichloro	[ ]	[ ]	[ ]	[ ]
59.	Hydrazine, 1,2-diphenyl	[ ]	[ ]	[ ]	[ ]
60.	Acrylonitrile	[ ]	[ ]	[ ]	[ ]

**VII. HALOGENATED ALIPHATICS**

61.	Methane, bromo-	[ ]	[ ]	[ ]	[ ]
62.	Methane, chloro-	[ ]	[ ]	[ ]	[ ]
63.	Methane, dichloro	[ ]	[ ]	[ ]	[ ]
64.	Methane, chlorodibromo	[ ]	[ ]	[ ]	[ ]
65.	Methane, dichlorobromo	[ ]	[ ]	[ ]	[ ]
66.	Methane, tribromo	[ ]	[ ]	[ ]	[ ]
67.	Methane, trichloro	[ ]	[ ]	[ ]	[ ]
68.	Methane, tetrachloro	[ ]	[ ]	[ ]	[ ]
69.	Methane, trichlorofluoro	[ ]	[ ]	[ ]	[ ]
70.	Methane, dichlorodifluoro	[ ]	[ ]	[ ]	[ ]
72.	Ethane, 1,2-dichloro	[ ]	[ ]	[ ]	[ ]
71.	Ethane, 1,1-dichloro	[ ]	[ ]	[ ]	[ ]
72.	Ethane, 1,2-dichloro	[ ]	[ ]	[ ]	[ ]
73.	Ethane, 1,1,1-trichloro	[ ]	[ ]	[ ]	[ ]
74.	Ethane, 1,1,2-trichloro	[ ]	[ ]	[ ]	[ ]
75.	Ethane, 1,1,2, 1-tetrachloro	[ ]	[ ]	[ ]	[ ]
76.	Ethane, hexachloro	[ ]	[ ]	[ ]	[ ]
77.	Ethane, chloro	[ ]	[ ]	[ ]	[ ]
78.	Ethane, 1,1-dichloro	[ ]	[ ]	[ ]	[ ]
79.	Ethane, trans-dichloro	[ ]	[ ]	[ ]	[ ]

CHEMICAL COMPOUND		KNOWN PRESENT	SUSPECTED PRESENT	KNOWN ABSENT	SUSPECTED ABSENT
80.	Ethane, trichloro	[ ]	[ ]	[ ]	[ ]
81.	Ethane, tetrachloro	[ ]	[ ]	[ ]	[ ]
82.	Propane, 1,2-dichloro	[ ]	[ ]	[ ]	[ ]
83.	Propene, 1,2-dichloro	[ ]	[ ]	[ ]	[ ]
84.	Butadiene, hexachloro	[ ]	[ ]	[ ]	[ ]
85.	Cyclopentadiene, hexachloro	[ ]	[ ]	[ ]	[ ]
<b>VIII. PHTHALATE ESTERS</b>					
86.	Phthalate, di-c-methyl	[ ]	[ ]	[ ]	[ ]
87.	Phthalate, di-n-ethyl	[ ]	[ ]	[ ]	[ ]
88.	Phthalate, di-n-butyl	[ ]	[ ]	[ ]	[ ]
89.	Phthalate, di-n-octyl	[ ]	[ ]	[ ]	[ ]
90.	Phthalate, bis (2-ethylhexyl)	[ ]	[ ]	[ ]	[ ]
91.	Phthalate, butyl benzyl	[ ]	[ ]	[ ]	[ ]
<b>XI. POLYCYCLIC AROMATIC HYDROCARBONS</b>					
92.	Acenaphthene	[ ]	[ ]	[ ]	[ ]
93.	Acenaphthylene	[ ]	[ ]	[ ]	[ ]
94.	Benzo (a) anthracene	[ ]	[ ]	[ ]	[ ]
95.	Benzo (b) fluoranthene	[ ]	[ ]	[ ]	[ ]
96.	Benzo (k) fluoranthene	[ ]	[ ]	[ ]	[ ]
97.	Benzo (ghi) perylene	[ ]	[ ]	[ ]	[ ]
99.	Chrysene	[ ]	[ ]	[ ]	[ ]
100.	Dibenzo (a,n,) anthracene	[ ]	[ ]	[ ]	[ ]
101.	Fluoranthene	[ ]	[ ]	[ ]	[ ]
102.	Fluorene	[ ]	[ ]	[ ]	[ ]
103.	Indeno (1,2,3-cd) pyrene	[ ]	[ ]	[ ]	[ ]
104.	Naphthalene	[ ]	[ ]	[ ]	[ ]
105.	Phenanthrene	[ ]	[ ]	[ ]	[ ]
106.	Pyrene	[ ]	[ ]	[ ]	[ ]

CHEMICAL COMPOUND	KNOWN PRESENT	SUSPECTED PRESENT	KNOWN ABSENT	SUSPECTED ABSENT
<b>X. PESTICIDES</b>				
107. Acrolein	[ ]	[ ]	[ ]	[ ]
108. Aldrin	[ ]	[ ]	[ ]	[ ]
109. BHC (Alpha)	[ ]	[ ]	[ ]	[ ]
110. BHC (Beta)	[ ]	[ ]	[ ]	[ ]
111. BHC (Gamma) or Lindane	[ ]	[ ]	[ ]	[ ]
112. BHC (Delta)	[ ]	[ ]	[ ]	[ ]
113. Chlordane	[ ]	[ ]	[ ]	[ ]
114. DDD	[ ]	[ ]	[ ]	[ ]
115. DDE	[ ]	[ ]	[ ]	[ ]
116. DDT	[ ]	[ ]	[ ]	[ ]
117. Dieldrin	[ ]	[ ]	[ ]	[ ]
118. Endosulfan (Alpha)	[ ]	[ ]	[ ]	[ ]
119. Endosulfan (Beta)	[ ]	[ ]	[ ]	[ ]
120. Endosulfan Sulfate	[ ]	[ ]	[ ]	[ ]
121. Endrin	[ ]	[ ]	[ ]	[ ]
122. Endrin aldehyde	[ ]	[ ]	[ ]	[ ]
123. Heptachlor	[ ]	[ ]	[ ]	[ ]
124. Heptachlor expoxide	[ ]	[ ]	[ ]	[ ]
125. Isophorone	[ ]	[ ]	[ ]	[ ]
126. TCDD (or Dioxin)	[ ]	[ ]	[ ]	[ ]
127. Toxaphene	[ ]	[ ]	[ ]	[ ]

C.5. If you are unable to identify the chemical constituents of products you use that are discharged in your wastewater, attach copies of the materials safety data sheets for such products.

**SECTION D - OTHER WASTES**

D.1 Are any liquid wastes or sludge from this firm disposed of by means other than discharge to the sewer system?

Yes     No

If "No", skip remainder of Section D.

IF "Yes", complete items 2 and 3.

D.2 These wastes may best be described as:

	<u>Estimated Gallons or Pounds/Year</u>
<input type="checkbox"/> Acids and Alkalies	_____
<input type="checkbox"/> Heavy Metal Sludge	_____
<input type="checkbox"/> Inks/Dyes	_____
<input type="checkbox"/> Oil and/or Grease	_____
<input type="checkbox"/> Organic Compounds	_____
<input type="checkbox"/> Paints	_____
<input type="checkbox"/> Pesticides	_____
<input type="checkbox"/> Plating Wastes	_____
<input type="checkbox"/> Pretreatment Sludge	_____
<input type="checkbox"/> Solvents/Thinners	_____
<input type="checkbox"/> Other Hazardous Wastes (Specify)	_____
_____	_____
_____	_____
<input type="checkbox"/> Other wastes (specify)	_____
_____	_____
_____	_____

D.3 For the above checked wastes, does your company practice:

- On-site storage
- Off-site storage
- On-site disposal
- Off-site disposal

Briefly describe the method(s) of storage or disposal checked above.

**SECTION E - WASTE STREAM CHARACTERISTICS**

E.1 Number of discharges from regulated processes (those with an existing or proposed categorical limit) to sanitary sewer system and their locations.

E.2 Provide a schematic drawing showing the regulated process waste streams, unregulated waste streams, domestic wastewater flows, cooling water, boiler blow down, etc.

**E.3 Wastewater Characteristics**

a. Daily Flow: Average Daily Flow (GPD) \_\_\_\_\_  
Average Maximum Daily Flow (GPD) \_\_\_\_\_

b. Identify the discharge from each regulated process and check type of discharge.

Process	Continuous	Intermittent	Batch	Flow (GPD)
_____				
_____				
_____				
_____				

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**c. Waste characteristic at point of discharge:**

BOD _____ mg/L	pH _____
COD _____ mg/L	NH3-N _____
TSS _____ mg/L	TKN _____



**Priority Pollutants shown in Section C.4.**

Pollutants	Concentration (mg/L)
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Flow at time sample Collected \_\_\_\_\_ MGD

Priority Pollutants at each regulated process:

Process #	Pollutants	Concentration (mg/L)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

E.4. Does the wastewater discharged:

- a) Create a fire or explosion hazard?
- b) Have a pH lower than 5.0?
- c) Contain a substance that can obstruct the flow in the collection system?

**TABLE I**  
**PRIORITY POLLUTANTS**

**COMPOUND NAME**

1. \*acenaphthene
2. \*acrolein
3. \*acrylonitrile
4. \*benzene
5. \*benzidine
6. \*carbon tetrachloride (tetrachloromethane)  
\*chlorinated benzenes (other than dichlorobenzenes)
7. chlorobenzene
8. 1, 2, 4-trichlorobenzene
9. hexachlorobenzene  
\*chlorinated ethane (including 1, 2-dichloroethane,  
1, 1, 1-trichloroethane and hexachloroethane)
10. 1, 2-dichloroethane
11. 1, 1, 1-trichloroethane
12. hexachloroethane
13. 1, 1-dichloroethane
14. 1, 1, 2-trichloroethane
15. 1, 1, 2, 2-tetrachloroethane
16. chloroethane  
\*chloroalkyl ethers (chloromethyl, chloroethyl and mixed ethers)
17. bis (chloroemethyl) ether
18. bis (2-chloroethyl) ether

19. 2-chloroethyl vinyl ether (mixed)  
\*chlorinated naphthalene
20. 2-chloronaphthalene  
\*chlorinated phenols (other than those listed elsewhere:  
includes trichlorophenols and chlorinated cresols)
21. 2, 4, 6-trichlorophenol
22. parachlorometa cresol
23. \*chloroform (trichloromethane)
24. \*2-chlorophenol  
\*dichlorobenzene
25. 1, 1-dichlorobenzene
26. 1, 3-dichlorobenzene
27. 1, 4-dichlorobenzene  
\*dichlorobenzidine
28. 3, 3-dichlorobenzidine  
\*dichloroethylenes (1,1-dichloroethylene and 1, 2-dichloroethylene)
29. 1, 1-dichloroethylene
30. 1, 2-trans-dichloroethylene
31. \*2, 4-dichlorophenol  
\*dichloropropane and dichloropropene
32. 1, 2-dichloropropane
33. 1, 2-dichloropropylene (1, 3-dichloropropene)
34. \*, 4-dimethylphenol  
\*dinitrotoluene
35. 2, 4-dinitrotoluene
36. 2, 6-dinitrotoluene
37. \*1, 2-diphenylhydrazine

- 38. \*ethylbenzene
- 39. \*fluoranthene
  - \*haloethers (other than those listed elsewhere)
- 40. 4-chlorophenyl phenyl ether
- 41. 4-bromophenyl phenyl ether
- 42. bis (2-chloroisopropyl) ethers
- 43. bis (2-chloroethoxy) methane
  - \*halomethanes (other than those listed elsewhere)
- 44. methylene chloride (dichloromethane)
- 45. methyl chloride (chloromethane)
- 46. methyl bromide (bromomethane)
- 47. bromoform (tribromomethane)
- 48. dichlorobromomethane
- 49. trichlorofluoromethane
- 50. dichlorodifluoromethane
- 51. chlorodibromomethane
- 52. \*hexachlorobutadiene
- 53. \*hexachlorocyclopentadiene
- 54. \*isophorone
- 55. \*naphtalene
- 56. \*nitrobenzene
  - \*nitrophenols (including 2, 4-dinitrophenol and dinitrocresol)
- 57. 2-nitrophenol
- 58. 4-nitrophenol
- 59. \*2, 4-dinitrophenol
- 60. 4, 6-dinitro-o-cresol
  - \*nitrosamines

61. N-nitrosodimethylamine
62. N-nitrosodiphenylamine
63. N-nitrosodi-n-propylamine
64. \*pentachlorophenol
65. \*phenol  
\*phthalate esters
66. bis (2-ethylhexyl) phthalate
67. butyl benzyl phthalate
68. di-n-butyl phthalate
69. di-n-octyl phthalate
70. diethyl phthalate
71. dimethyl phthalate  
\*polynuclear aromatic hydrocarbons
72. benzo(a) anthracene (1, 2-benzanthracene)
73. benzo(a) pyrene (3, 4-benzopyrene)
74. 3, 4-benzofluoranthene
75. benzo(k) fluoranthene (11, 12-benzofluoranthene)
76. chrysene
77. acenaphthylene
78. anthracene
79. benzo(ghi)perylene (1, 12-benzoperylene)
80. fluorene
81. phenanthrene
82. dibenzo(ah)anthracene (1, 2, 5, 6-dibenzanthracene)
83. indeno (1, 2, 3-cd)pyrene (2, 3-o-phenylenepyrene)
84. pyrene

- 85. \*tetrachloroethylene
- 86. \*toluene
- 87. \*trichloroethylene
- 88. \*vinyl chloride (chloroethylene) pesticides and metabolites
- 89. \*aldrin
- 90. \*dieldrin
- 91. \*chlordan (technical mixture & metabolites)  
\*DDT and metabolites
- 92. 4, 4'-DDT
- 93. 4, 4'-DDE (p, p'-DDX)
- 94. 4, 4'-DDD (p, p'-TDE)  
\*endosulfan and metabolites
- 95. a-endosulfan-Alpha
- 96. b-endosulfan-Beta
- 97. endosulfan sulfate  
\*endrin and metabolites
- 98. endrin
- 99. endrin aldehyde  
\*heptachlor and metabolites
- 100. heptachlor
- 101. heptachlor epoxide  
\*hexachlorocyclohexane (all isomers)
- 102. a-BHC-Alpha
- 103. a-BHC-Beta

- 104. r-BHC (lindane)-Gamma
- 105. g-BHC-Delta
- \*polychlorinated biphenyls (PCB's)

TABLE II  
INDUSTRIAL CATEGORIES

<u>INDUSTRY</u>	<u>INDUSTRY</u>
1. Adhesive	18. Pulp & paper
2. Leather Tanning and Finishing	19. Textile Mills
3. Soaps & Detergents	20. Timber
4. Aluminum Forming	21. Coal Mining
5. Battery Manufacturing	22. Ore Mining
6. Coil Coating	23. Petroleum Refining
7. Copper Forming	24. Steam Electric
8. Electroplating	25. Organic Chemicals
9. Foundries	26. Pesticides
10. Iron & Steel	27. Pharmaceutical
11. Nonferrous Metals	28. Pesticides Materials
12. Photographic Supplies	29. Rubber
13. Plastic Processing	30. Auto & Other Laundries
14. Porcelain Enamel	31. Mechanical Products
15. Gun & Wood Chemicals	32. Electric & Electronic Components
16. Paint & Ink	33. Explosives Manufacturing
17. Printing & Publishing	34. Inorganic Chemicals