Water and Sewer Department
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INDUSTRIAL WASTEWATER

DISCHARGE PERMIT APPLICATION

SECTION A - GENERAL INFORMATION

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

_____

Zip Code _____ Telephone No. _____

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

_____

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 CFR 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 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 gathered and evaluated 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 and complete. I am aware that there are significant penalties for submitting false information including the possibility of fines and imprisonment for knowing violations.

Authorized Representative:

_____ _____

Type or Print Name Title

_____ _____

Signature Date

A.3. Chief Company Executive at this location:

Name _____ Title _____

Telephone No. _____ E-mail _____

A.4. Company representative to serve as contact person:

Name _____ Title _____

Telephone No. _____ E-mail _____

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

_____

_____

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

_____

_____

A.7. North American Industry Classification System Number(s) [Standard Industrial Classification Number(s) (SIC Code)] for your facilities:

_____

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

			Average Gallons Per Day	
1.	[ ]	Domestic Wastes (restrooms, employee showers, etc.)	_____	[ ] estimated [ ] measured
2.	[ ]	Boiler/Tower Blowdown	_____	[ ] estimated [ ] measured
3.	[ ]	Cooling Water, Non-Contact	_____	[ ] estimated [ ] measured
4.	[ ]	Cooling Water, Contact	_____	[ ] estimated [ ] measured
5.	[ ]	PROCESS	_____	[ ] estimated [ ] measured
6.	[ ]	Equipment/ Facility Washdown	_____	[ ] estimated [ ] measured
7.	[ ]	Air Pollution Control Unit	_____	[ ] estimated [ ] measured

8. [ ] Storm Water Runoff to Sewer _____ [ ] estimated [ ] measured

9. [ ] Contaminated Ground Water Recovery _____ [ ] estimated [ ] measured

l0. [ ] Medical Wastewater _____ [ ] estimated [ ] measured

11. [ ] Other (describe) _____ [ ] estimated [ ] measured
_____

Total A.8.1-A.8.11 _____

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

Average Gallons Per Day

[ ]	Sanitary Sewer	_____	[ ] estimated	[ ] measured
[ ]	Storm Sewer	_____	[ ] estimated	[ ] measured
[ ]	Surface Water	_____	[ ] estimated	[ ] measured
[ ]	Ground Water	_____	[ ] estimated	[ ] measured
[ ]	Waste Haulers	_____	[ ] estimated	[ ] measured
[ ]	Evaporation	_____	[ ] estimated	[ ] measured
[ ]	Other (describe)	_____	[ ] estimated	[ ] 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
Is a Slug Discharge Control Plan prepared for this facility?
[ ] yes [ ] no
Is there a Toxic Organic Management Plan in effect for this facility?
[ ] yes [ ] no
Is there a Pollutant Management Plan in effect for this facility?
[ ] yes [ ] no
Is there a Best Management Practices Plan prepared for this facility?
[ ] yes [ ] no

A.11. List any environmental control permits issued to the facility, permit number, and expiration date.

_____

_____

Note:
If your facility did not check one or more of the items listed in A.8.4 through A.8.11 above, skip to page 11 and complete Section C. 6. Then skip to page 13-14 and complete C.10, D., and E.

SECTION B - FACILITY OPERATION CHARACTERISTICS

B.l. Number of employee shifts worked per 24-hour day is _____ .
Average number of employees per shift is _____ .

B.2. Starting times of each shift: 1st _____ am pm 2nd _____ am pm 3rd _____ am pm

Note: The following information in this section must be completed for each product line.

B.3. Principal product produced: _____

B.4. Raw materials and process additives used: (Use separate sheet if needed)
#/Day or Gal/Day _____
_____

B.5. Production Process is:
[ ] Batch [ ] Continuous [ ] Both %batch _____
%continuous _____
Average number of batches per 24-hour day: _____

B.6. Hours of operation: _____ am to _____ pm [ ]continuous

B.7. Is production subject to seasonal variation? [ ] yes [ ] no
If yes, briefly describe the seasonal production cycle.
_____

B.8. Are any process changes or expansions planned during the next three years? [ ] yes [ ] no
If yes, attach a separate sheet to this form describing the nature of planned changes or expansions.

B.9. Average monthly water and /or sewer usage:_____
a) Water account number:_____
b) Sewer account number:_____

SECTION C - WASTEWATER CHARACTERISTICS

C.1. If your facility employs processes in any of the industrial categories listed below and any of these processes generate wastewater or waste sludge, place a check beside the category (check all that apply). 40 CFR Part is referenced by the number beside each category.

[ ] 467 Aluminum Forming
[ ] 427 Asbestos Manufacturing
[ ] 461 Battery Manufacturing
[ ] 407 Canned and Preserved Fruits and Vegetables
[ ] 408 Canned and Preserved Seafood
[ ] 458Carbon Black Manufacturing
[ ] 411 Cement Manufacturing
[ ] 437 Centralized Waste Treatment (CWT)
[ ] 434 Coal Mining
[ ] 465 Coil Coating
[ ] 412 Concentrated Animal Feeding Operations (CAFO)
[ ] 451 Concentrated Aquatic Animal Production (Aquaculture)
[ ] 468 Copper Forming
[ ] 405 Dairy Products Processing
[ ] 469 Electric and Electronic Components
[ ] 413 Electroplating
[ ] 457 Explosives Manufacturing
[ ] 424 Ferroalloy Manufacturing
[ ] 418 Fertilizer Manufacturing
[ ] 426 Glass Manufacturing
[ ] 406 Grain Mills Manufacturing
[ ] 454 Gum and Wood Chemicals
[ ] 460 Hospitals
[ ] 447 Ink Formulating
[ ] 415 Inorganic Chemicals
[ ] 420 Iron and Steel Manufacturing
[ ] 445 Landfills
[ ] 425 Leather Tanning and Finishing
[ ] 432 Meat and Poultry Products
[ ] 433 Metal Finishing
[ ] 464 Metal Molding and Casting
[ ] 438 Metal Products and Machinery
[ ] 436 Mineral Mining and Processing
[ ] 471 Nonferrous Metals Forming and Metal Powders
[ ] 421 Nonferrous Metals Manufacturing
[ ] 435 Oil and Gas Extraction
[ ] 440 Ore Mining and Dressing
[ ] 414 Organic Chemicals, Plastics, and Synthetic Fibers (OCPSF)
[ ] 446 Paint Formulating
[ ] 443 Paving and Roofing Materials
[ ] 455 Pesticide Chemicals Manufacturing, Formulating and Packaging
[ ] 419 Petroleum Refining
[ ] 439 Pharmaceutical Manufacturing
[ ] 422 Phosphate Manufacturing
[ ] 459 Photographic
[ ] 463 Plastic Molding and Forming
[ ] 466 Porcelain Enameling
[ ] 430 Pulp, Paper, and Paperboard
[ ] 428 Rubber Manufacturing
[ ] 417 Soaps and Detergents Manufacturing
[ ] 423 Steam Electric Power Generating
[ ] 409 Sugar Processing
[ ] 410 Textile Mills
[ ] 429 Timber Products Processing
[ ] 442 Transportation Equipment Cleaning (TEC)
[ ] 444 Waste Combustors
[ ] Other (Identify)_____

C.2. a) Describe any wastewater pretreatment system

[ ] Biological Treatment, type _____
[ ] Centrifuge
[ ] Chemical Precipitation
[ ] Chlorination
[ ] Cyclone
[ ] Dissolved Air Floatation
[ ] Filtration
[ ] Flow Equalization
[ ] Grease Trap
[ ] Grit Removal
[ ] Ion Exchange
[ ] Neutralization, pH adjustment
[ ] Membrane Bioreactor
[ ] Oil/Water Separator, type _____
[ ] Ozonation
[ ] Rainwater Diversion or Storage
[ ] Reverse Osmosis
[ ] Screening
[ ] Sedimentation
[ ] Septic Tank
[ ] Solvent Separation
[ ] Sump or Holding Tank
[ ] Other Chemical Treatment, type _____

[ ] Continuous Operation
[ ] Batch Operation

[ ] No Pretreatment Provided

b) List the operator of record and his/her license number(s).

_____
_____

c) List all contract laboratories and their SCDHEC certification numbers

_____
_____
_____
_____

C.3. Please attach analyses of **untreated** wastewater generated from your facility to this questionnaire. Be sure to include the location(s) from which sample(s) were taken (attach sketches, plans, etc., as necessary)
Sample(s) Location(s): _____
Flow at time sample collected: _____ MGD

C.4. Priority Pollutant Information: Please indicate by placing an "X" in the box by each listed chemical whether it is "Known to be Present" in your manufacturing or service activity or generated as a by-product. Please indicate with an "X" whether discharged to the sewer, disposed by waste hauler, or disposed by other means (product, recycle, etc.).

	Chemical	Known Present	Disposed in Sewer	Disposed by Waste Hauler	Disposed by Other
I.	METALS AND INORGANICS				
1.	Antimony	[ ]			
2.	Arsenic	[ ]			
3.	Beryllium	[ ]			
4.	Cadmium	[ ]			
5.	Chromium	[ ]			
6.	Copper	[ ]			
7.	Cyanide	[ ]			
8.	Lead	[ ]			
9.	Mercury	[ ]			
10.	Nickel	[ ]			
11.	Selenium	[ ]			
12.	Silver	[ ]			
13.	Thallium	[ ]			
14.	Zinc	[ ]			
II.	PHENOLS AND CRESOLS				
15.	Phenol(s)	[ ]			
16.	Phenol, 2-chloro	[ ]			
17.	Phenol, 2, 4-dichloro	[ ]			
18.	Phenol, 2,4,6-trichloro	[ ]			
19.	Phenol, pentachloro	[ ]			
20.	Phenol, 2-nitro	[ ]			
21.	Phenol, 4-nitro	[ ]			
22.	Phenol, 2,4-dinitro	[ ]			
23.	Phenol, 2,4-dimethyl	[ ]			
24.	m-Cresol, p-chloro	[ ]			
25.	o-Cresol, 4,6-dinitro	[ ]			

	Chemical	Known Present	Disposed in Sewer	Disposed by Waste Hauler	Disposed by Other
III.	MONOCYCLIC AROMATICS (Excluding Phenols, Cresols and Phthalates)				
26.	Benzene	[ ]	_____	_____	_____
27.	Benzene, chloro	[ ]	_____	_____	_____
28.	Benzene, 1,2-dichloro	[ ]	_____	_____	_____
29.	Benzene, l,3-dichloro	[ ]	_____	_____	_____
30.	Benzene, 1,4-dichloro	[ ]	_____	_____	_____
31.	Benzene, 1,2,4-trichloro	[ ]	_____	_____	_____
32.	Benzene, hexachloro	[ ]	_____	_____	_____
33.	Benzene, ethyl	[ ]	_____	_____	_____
34.	Benzene, nitro	[ ]	_____	_____	_____
35.	Toluene	[ ]	_____	_____	_____
36.	Toluene, 2,4-dinitro	[ ]	_____	_____	_____
37.	Toluene, 2,6-dinitro	[ ]	_____	_____	_____
IV.	PCBs AND RELATED COMPOUNDS				
38.	PCB-1016	[ ]	_____	_____	_____
39.	PCB-1221	[ ]	_____	_____	_____
40.	PCB-1232	[ ]	_____	_____	_____
41.	PCB-1242	[ ]	_____	_____	_____
42.	PCB-1248	[ ]	_____	_____	_____
43.	PCB-1254	[ ]	_____	_____	_____
44.	PCB-1260	[ ]	_____	_____	_____
45.	2-Chloronaphthalene	[ ]	_____	_____	_____
V.	ETHERS				
46.	Ether, bis (chloroethyl)	[ ]	_____	_____	_____
47.	~~Ether, bis (2-Chloromethyl)~~	[ ]	_____	_____	_____
48.	Ether, bis (2-chloroisopropyl)	[ ]	_____	_____	_____
49.	Ether, vinyl (2-chloroethyl)	[ ]	_____	_____	_____
50.	Ether, phenyl (4-bromophenyl)	[ ]	_____	_____	_____
51.	Ether, phenyl (4-chlorophenyl)	[ ]	_____	_____	_____
52.	Methane, Bis (2-chloroethoxy)	[ ]	_____	_____	_____

	Chemical	Known Present	Disposed in Sewer	Disposed by Waste Hauler	Disposed by Other
VI.	NITROSAMINES AND OTHER NITROGEN-CONTAINING COMPOUNDS				
53.	Nitrosamine, dimethyl	[ ]	_____	_____	_____
54.	Nitrosamine, diphenyl	[ ]	_____	_____	_____
55.	Nitrosamine, di-n-propyl	[ ]	_____	_____	_____
56.	Benzidine	[ ]	_____	_____	_____
57.	Benzidine, 3,3-dichloro	[ ]	_____	_____	_____
58.	Hydrazine, 1,2-diphenyl	[ ]	_____	_____	_____
59.	Acrylonitrile	[ ]	_____	_____	_____
VII.	HALOGENATED ALIPHATICS				
60.	Methane, bromo	[ ]	_____	_____	_____
61.	Methane, chloro	[ ]	_____	_____	_____
62.	Methane, dichloro	[ ]	_____	_____	_____
63.	Methane, chlorodibromo-	[ ]	_____	_____	_____
64.	Methane, dichlorobromo-	[ ]	_____	_____	_____
65.	Methane, tribromo-	[ ]	_____	_____	_____
66.	Methane, trichloro-	[ ]	_____	_____	_____
67.	Methane, tetrachloro-	[ ]	_____	_____	_____
68.	Methane, trichlorofluoro-	[ ]	_____	_____	_____
69.	Methane, dichlorodifluoro-	[ ]	_____	_____	_____
70.	Ethane, 1,1-dichloro-	[ ]	_____	_____	_____
71.	Ethane, 1,2-dichloro-	[ ]	_____	_____	_____
72.	Ethane, 1,1,1-trichloro-	[ ]	_____	_____	_____
73.	Ethane, 1,1,2-trichloro-	[ ]	_____	_____	_____
74.	Ethane, 1,1,2,2-tetrachloro-	[ ]	_____	_____	_____
75.	Ethane, hexachloro	[ ]	_____	_____	_____
76.	Ethene, chloro	[ ]	_____	_____	_____
77.	Ethene, l,1-dichloro-	[ ]	_____	_____	_____

	Chemical	Known Present	Disposed in Sewer	Disposed by Waste Hauler	Disposed by Other
78.	Ethene, 1,2-trans-dichloro-	[ ]	_____	_____	_____
79.	Ethene, trichloro-	[ ]	_____	_____	_____
80.	Ethene, tetrachloro-	[ ]	_____	_____	_____
81.	Propane, 1,2-dichloro-	[ ]	_____	_____	_____
82.	Propene, 1,3-dichloro-	[ ]	_____	_____	_____
83.	Butadiene, hexachloro	[ ]	_____	_____	_____
84.	Cyclopentadiene, hexachloro	[ ]	_____	_____	_____
VIII.	PHTHALATE ESTERS				
85.	Phthalate, dimethyl	[ ]	_____	_____	_____
86.	Phthalate, di-n-ethyl	[ ]	_____	_____	_____
87.	Phthalate, di-n-butyl	[ ]	_____	_____	_____
88.	Phthalate, di-n-octyl	[ ]	_____	_____	_____
89.	Phthalate, bis (2-ethylhexyl)	[ ]	_____	_____	_____
90.	Phthalate, (butyl benzyl)	[ ]	_____	_____	_____
IX.	POLYCYCLIC AROMATIC HYDROCARBONS				
91.	Acenaphthene	[ ]	_____	_____	_____
92.	Acenaphthylene	[ ]	_____	_____	_____
93.	Benzo (a) anthracene	[ ]	_____	_____	_____
94.	Benzo (b) fluoranthene	[ ]	_____	_____	_____
95.	Benzo (k) fluroanthene	[ ]	_____	_____	_____
96.	Benzo (ghi) perylene	[ ]	_____	_____	_____
97.	Benzo (a) pyrene	[ ]	_____	_____	_____
98.	Chrysene	[ ]	_____	_____	_____
99.	Dibenzo (a,h) anthracene	[ ]	_____	_____	_____
100.	Fluoranthene	[ ]	_____	_____	_____
101.	Fluorene	[ ]	_____	_____	_____
102.	Indeno (1,2,3-cd) pyrene	[ ]	_____	_____	_____

	Chemical	Known Present	Disposed in Sewer	Disposed by Waste Hauler	Disposed by Other
103.	Naphthalene	[ ]	_____	_____	_____
104.	Phenanthrene	[ ]	_____	_____	_____
105.	Pyrene	[ ]	_____	_____	_____
X.	PESTICIDES				
106.	Acrolein	[ ]	_____	_____	_____
107.	Aldrin	[ ]	_____	_____	_____
108.	BHC (Alpha)	[ ]	_____	_____	_____
109.	BHC (Beta)	[ ]	_____	_____	_____
110.	BHC (Delta)	[ ]	_____	_____	_____
111.	BHC (Gamma) or Lindane	[ ]	_____	_____	_____
112.	Chlordane	[ ]	_____	_____	_____
113.	DDD	[ ]	_____	_____	_____
114.	DDE	[ ]	_____	_____	_____
115.	DDT	[ ]	_____	_____	_____
116.	Dieldrin	[ ]	_____	_____	_____
117.	Endosulfan (Alpha)	[ ]	_____	_____	_____
118.	Endosulfan (Beta)	[ ]	_____	_____	_____
119.	Endosulfan Sulfate	[ ]	_____	_____	_____
120.	Endrin	[ ]	_____	_____	_____
121.	Endrin Aldehyde	[ ]	_____	_____	_____
122.	Heptachlor	[ ]	_____	_____	_____
123.	Heptachlor epoxide	[ ]	_____	_____	_____
124.	Isophorone	[ ]	_____	_____	_____
125.	Toxaphene	[ ]	_____	_____	_____

C.5. Attach a list of any other chemicals of concern not on the above list or in C.6.

C.6. Results of other wastewater characteristics not listed in C.4 or C.5.

BOD _____ mg/l
Ammonia _____ mg/l
HEM _____ mg/l
Formaldehyde_____ mg/l
COD _____ mg/l
TDS_____ mg/l

pH _____ su
TSS _____ mg/l
SGT-HEM _____ mg/l
Flow _____ MGD
Phosphate _____ mg/l

C.7. From the category list in C.1., indicate if any of the regulated wastestreams are mixed with non-regulated wastestreams. The Combined Wastestream Formula will be used to determine appropriate limits.

_____

_____

C.8. Provide a schematic drawing showing the regulated process wastestreams, domestic wastewater flows, cooling water, boiler blowdown, etc.

_____

C.9. Regulated Wastewater characteristics

a) Identify the discharge from each regulated process and give flow for each type of discharge.

PROCESS	FLOW (GPD)		
	CONTINUOUS	INTERMITTENT	BATCH

C.10. Does the wastewater discharged:

a) Create a fire or explosion hazard? [ ] Yes [ ] No
If yes, flashpoint _____

b) Have a pH lower than 5.0 su? [ ] Yes [ ] No

c) Contain a substance that can obstruct the flow in the collection system?
[ ] Yes [ ] No

d) Have a temperature greater than 140º F? [ ] Yes [ ] No

e) Contain petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin?
[ ] Yes [ ] No

f) Contain pollutants which may create toxic gases, vapors, or fumes?
[ ] Yes [ ] No
If yes, specify _____

g) Consist of trucked or hauled wastes? [ ] Yes [ ] No

SECTION D - OTHER WASTES

D.1. Are any liquid wastes or sludges 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 the following items.

D.2. These wastes may be best described as:

		Estimated Gallons or Pounds / Year
[ ]	Acids and Alkalis	_____
[ ]	Heavy Metal Sludges	_____
[ ]	Inks/Dyes	_____
[ ]	Oil and/or Grease	_____
[ ]	Paints	_____
[ ]	Pesticides	_____
[ ]	Plating Wastes	_____
[ ]	Pretreatment Sludges	_____
[ ]	Solvents/Thinners	_____
[ ]	Other Hazardous Wastes (specify)	_____
	_____	_____
	_____	_____
[ ]	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 – PERMIT ACTIVITY

E.1. Is this an application for a new permit [ ] or a permit renewal [ ]?

E.2. For new permits:
Does your business plan to make any changes in its operation within the next two (2) years that will increase or decrease the concentration, volume, or other characteristics of your discharge to the DCWS sanitary sewer?[ ] Yes [ ] No
If yes, describe:_____
_____
_____
_____

E.3. For a permit renewal:
Within the last year, has your business made any changes in its operation that have increased/decreased or will increase/decrease the concentration, volume, or other characteristics of your discharge into the DCWS sanitary sewer?
[ ] Yes [ ] No
If yes, describe:_____
_____
_____
_____