CHARLESTON WATER SYSTEM
INDUSTRIAL WASTEWATER DISCHARGE PERMIT APPLICATION
WASTEWATER SURVEY QUESTIONNAIRE

SECTION A - GENERAL INFORMATION

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

_____

_____

_____

Zip Code _____ Telephone ( ) _____

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

_____

_____

Zip Code _____ Telephone ( ) _____

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

Authorized Representative:

_____
Type or Print Name

_____ _____
Date Signature

A.3. Name, title, and telephone number of person authorized to represent this firm in official dealings with the CWS:

Name_____ Title _____

Telephone No. _____

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

Name_____ Title _____

Telephone No. _____

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

_____ _____ _____ _____ _____ _____ _____ _____

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

If Applicable, Check	Waste Type	Average Gallons per Day	Estimated (Y/N)	Measured (Y/N)
	Domestic Waste (restrooms, employee showers, etc.)			
	Cooling Water, Non-contact			
	Boiler/Tower Blowdown			
	Cooling Water, Contact			
	Process			
	Equipment/Facility Washdown			
	Air Pollution Control Unit			

If Applicable, Check	Waste Type	Average Gallons per Day	Estimated (Y/N)	Measured (Y/N)
	Storm Water Runoff to Sewer			
	Contaminated Groundwater Recovery			
	Medical Wastewater			
	Other (describe):			
	Total (gallons) :			

A9. Wastes are discharged to (check all that apply):

If applicable, Select	Discharge Method	Average Gallons Per Day	Estimated (Y/N)	Measured (Y/N)
	Sanitary Sewer			
	Storm Sewer			
	Surface Water			
	Groundwater			
	Waste Haulers			
	Evaporation			
	Other (describe):			

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

_____

A l0. 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 in A.8 above, skip to page 13 and complete Section E.3.b, E.3.c and all of Section E.4. If any items A.8 <u>were</u> checked, complete the remainder of this survey/application.**

SECTION B - FACILITY OPERATION CHARACTERISTICS

B.1. 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 seasonal production cycle.

_____

_____

B.8. Are any process changes or expansions planned during the next three years?

[ ] yes [ ] no

If yes, attached a separate sheet to this form describing the nature of planned changes or expansions.

B.9 Average monthly water usage:

_____

SECTION C - WASTEWATER INFORMATION

C.1 If your facility employs processes in any of the industrial categories or business activities listed below and any of these processes generate wastewater or waste sludge, place a check beside the category or business activity (check all that apply).

	Industrial Categories		**Industrial Categories**
	Aluminum Forming		Nonferrous Metals Forming and Metal Powders
	Asbestos Manufacturing		Nonferrous Metals Manufacturing
	Battery Manufacturing		Oil & Gas Extraction
	Canned and Preserved Fruits and Vegetables Processing		Ore Mining Pressing
	Canned and Preserved Seafood Processing		Organic Chemicals, Plastics, & Synthetic Fibers
	Carbon Black Manufacturing		Paint Formulating
	Cement Manufacturing		Paving and Roofing Materials
	Coal Mining		Pesticides Manufacturing
	Coil Coating		Petroleum Refining
	Copper Forming		Pharmaceuticals Manufacturing
	Dairy Products Processing		Photographic Supplies Manufacturing
	Electric and Electronic Components Manufacturing		Phosphate Manufacturing
	Electroplating		Plastics Molding and Forming
	Explosives Manufacturing		Porcelain Enameling Processing
	Feedlots		Pulp, Paper, and Paperboard
	Ferroalloy Manufacturing		Rubber Manufacturing
	Fertilizer Manufacturing		Soaps & Detergents Manufacturing
	Glass Manufacturing		Steam Electric Power Generating
	Grain Mills		Sugar Processing
	Gum & Wood Chemical Manufacturing		Textile Mills
	Hospitals		Timber Products Processing
	Ink Formulation		Waste Combustors
	Inorganic Chemicals Manufacturing		Other (Identify)
	Iron and Steel Manufacturing		
	Leather Tanning and Finishing		
	Meat Products		
	Metal Finishing		
	Metal Molding and Casting		
	Mineral Mining and Processing		

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

	Pretreatment Device		**Pretreatment Device**
	Air Flotation		Solvent Separation
	Centrifuge		Spill prevention
	Chemical Precipitation		Sump
	Chlorination		Biological Treatment, type:
	Cyclone		
	Filtration		
	Flow Equalization		Rainwater diversion or storage
	Grease Trap		
	Grease or oil separation, type:		Other chemical treatment, type:
	Grit Removal		
	Ion Exchange		Other physical treatment, type:
	Neutralization, pH correction		
	Ozonation		
	Reverse Osmosis		Other, type:
	Screen		
	Sedimentation		
	Septic Tank		No pretreatment provided

C.3. If any wastewater analysis 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
Metals and Inorganics				
Antimony				
Arsenic				
Asbestos				
Beryllium				
Cadmium				
Copper				
Cyanide				
Lead				
Mercury				
Nickel				
Selenium				
Silver				
Thallium				
Zinc				
Phenols and Cresols				
Phenol(s)				
Phenol, 2-chloro				
Phenol, 2,4-dichloro				
Phenol, 2,4,6-trichloro				
Phenol, pentachloro				
Phenol, 2-nitro				
Phenol, 4-nitro				
Phenol, 2,4-nitro				
Phenol, 2,4-dimethyl				
m-Cresol, p-chloro				
o-Cresol, 4,6-dinitro				
Monocyclic Aromatics (Excluding phenols, cresols, and phthalates)				
Benzene				
Benzene, chloro				
Benzene, 1,2-dichloro				
Benzene, 1,3-dichloro				
Benzene, 1,4-dichloro				
Benzene, 1,2,3-trichloro				
Benzene, hexachloro				
Benzene, ethyl				
Benzene, nitro				
Toluene				
Toluene, 2,4-dinitro				
Toluene, 2,6-dinitro				
PCBs and Related Compounds				
PCB-1016				
PCB-1221				
PCB-1232				
PCB-1242				

Chemical Compound	Known Present	Suspected Present	Known Absent	Suspected Absent
PCB-1248				
PCB-1254				
PCB-1260				
2-Chloronapthalene				
Ethers				
Ether, bis(chloromethyl)				
Ether, bis(2-chloroethyl)				
Ether, bis(2-chlorosoprophyl)				
Ether, 2-chloroethyl vinyl				
Ether, 4-bromophenyl phenyl				
Ether, 4-chloropheny phenyl				
Bis (2-chloroethoxy) methane				
Nitrosamines and Other Nitrogen-Containing Compounds				
Nitrosamine, dimethyl				
Nitrosamine, diphenyl				
Nitrosamine, di-n-propyl				
Benzidine				
Benzidine, 3,3-dichloro				
Hydrazine, 1,2-diphenyl				
Acrylonitrile				
Halogenated Aliphatics				
Methane, bromo-				
Methane, chloro-				
Methane, dichloro				
Methane, chlorodibromo				
Methane, dichlorobromo				
Methane, tribromo				
Methane, trichloro				
Methane, tetrachloro				
Methane, trichlorodifluoro				
Methane, dichlorodifluoro				
Ethane, 1,1-dichloro				
Ethane, 1,2-dichloro				
Ethane, 1,1,1-trichloro				
Ethane, 1,1,2-trichloro				
Ethane, 1,1,2-tetrachloro				
Ethane, hexachloro				
Ethene, chloro				
Ethene, 1,1-dichloro				
Ethene, trans-dichloro				
Ethene, trichloro				
Ethene, tetrachloro				
Propane, 1,2-dichloro				
Propene, 1,2-dichloro				
Butadiene, hexachloro				
Cyclopentadiene, hexachloro				
Phthalate Esters				
Phthalate, di-c-methyl				
Phthalate, di-n-ethyl				

Chemical Compound	Known Present	Suspected Present	Known Absent	Suspected Absent
Phthalate, di-n-butyl				
Phthalate, di-n-octyl				
Phthalate, bis(2-ethylhexyl)				
Phthalate, butyl benzyl				
Polycyclic Aromatic Hydrocarbons				
Acenaphthene				
Acenapthylene				
Benzo(a)anthracene				
Benzo(b)fluoranthene				
Benzo(k)fluoranthene				
Benzo(ghi)perylene				
Benzo(a)pyrene				
Chrysene				
Dibenzo(a,n)anthracene				
Fluoranthene				
Fluorene				
Ideno(1,2,3-cd)pyrene				
Naphthalene				
Phenanthrene				
Pyrene				
Pesticides				
Acrolein				
Aldrin				
BHC (Alpha)				
BHA (Beta)				
BHA (Gamma) or Lindane				
BHC (Delta)				
Chlordane				
DDD				
DDE				
DDT				
Dieldrin				
Endosulan (Alpha)				
Endosulfan (Beta)				
Endosulfan Sulfate				
Endrin				
Endrin aldehyde				
Heptachlor				
Heptachlor epoxide				
Isophorone				
TCDD (or Dioxin)				
Toxaphene				
Pre- and Polyfluoroalkyl Substances				
Hexafluoropropylene Oxide Dimer Acid (HFPOA-DA/GEN X)				
Perfluorooctanesulfonate (PFOS)				
Perfluoroundecanoic acid (PFUdA)				
N-MeFOSAA				
PFPeA				

Chemical Compound	Known Present	Suspected Present	Known Absent	Suspected Absent
PFPeS				
6:2 FTS				
PFDS				
N-EtFOSAA				
PFHxA				
PFDoA				
PFOA				
PFDA				
PFHxS				
PFBA				
PFBS				
PFHpA				
PFHpS				
PFNA				
PFTeDA				
8:2 FTS				
PFNS				
PFTrDA				
PFOSA				
4:2 FTS				

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 safety data sheets for such products.

SECTION D - OTHER WASTES

D. l. 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:

	Waste Description	Estimated Gallons or Pounds/Year
	Acids and Alkalies	
	Heavy Metals	
	Inks/Dyes	
	Oil and/or Grease	
	Organic Compounds	
	Paints	
	Pesticides	
	Plating Wastes	
	Pretreatment Sludge	
	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 circled above.

SECTION E - WASTESTREAM 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 wastestreams, domestic wastewater flows, cooling water, boiler blowdown, etc.

E.3. Wastewater characteristics

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

PROCESS	FLOW (GPD)		
	CONTINUOUS	INTERMITTENT	BATCH

b. Daily Flow: Average Daily Flow (GPD)_____

Average Maximum Daily Flow (GPD) _____

c. Waste characteristics at point of discharge:

BOD _____ mg/L pH _____

COD _____mg/L NH3-N_____

TSS _____mg/L TKN_____

Oil & Grease _____mg/L

d. Priority Pollutants shown in Section C.4.

Pollutants	Concentration (mg/l)
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Flow at time sample collected _____ MGD

e. Priority Pollutants at each regulated process:

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

E.4. Does the wastewater discharge:

a) Create a fire or explosion hazard? [ ] Yes [ ] No

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

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

d) Have a temperature of greater than 140°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

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

E.5. Does your facility employ evaporators for any purpose? [ ] yes [ ] no