



# Chesterfield County Department of Utilities Industrial Waste Pretreatment Program

1200 Coxendale Rd, Building B, Chester, VA 23836  
Phone: 804-751-4406 ~ Fax: 804-318-8493

## APPLICATION FOR INDUSTRIAL WASTEWATER DISCHARGE

- *Permit application including attachments is public information. Any confidential information must be filled out as a separate package, with designation of confidentiality on each page of the document.*
- *Please fill out the application form completely. If any of sections do not apply for your facility, please indicate it as N/A in your response.*

### 1. GENERAL INFORMATION

#### 1.1. Proposed discharger.

1.1.1. Name of the proposed discharger:

1.1.2. Entity name and entity ID registered with the Commonwealth of Virginia State Corporation Commission ([www.scc.virginia.gov](http://www.scc.virginia.gov)):

1.1.3. Address of the proposed discharger:

Street Address:

City:

State:

Zip Code:

#### 1.2. Owner/Operator/Parent (If different than the one above).

1.2.1. Name of the owner / operator/parent:

1.2.2. Entity name and entity ID registered with the corresponding State Corporation Commission. (If in VA).

1.2.3. Address of the owner/operator/parent:

Street Address:

City:

State:

Zip Code:

#### 1.3. Person completing this application

Name:

Title:

Street Address:

City:

State:

Zip Code:

Phone Number:

Fax Number:

E-mail Address:

## 2. ACTIVITY INFORMATION

2.1. Type of Industry:

2.2. Industrial Classification Codes. List all applicable codes including industrial process(es) and wastewater discharge(s).

SIC Code	NAICS Code	Code Description

2.3. Operational Schedule:

Day	Hours of operation	
	From	To
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		
Saturday		
Sunday		

2.4. Total Employees:

2.5. Description of Industrial Processes. Note which processes discharge industrial wastewater into the public sewer system.

2.6. Wastewater discharge quantities:

Type	Average Flow (gal/day)	Maximum Flow (gal/day)	Type of Flow (Batch/Continuous)	Description
Sanitary				
Contact Cooling				
Non-Contact Cooling				
Boiler Blowdown				
Floor Cleaning				

Type	Average Flow (gal/day)	Maximum Flow (gal/day)	Type of Flow (Batch/Continuous)	Description
Air Pollution Equipment				
Equipment Washing				
Laboratory				
Process 1				
Process 2				
Process 3				
Process 4				
Process 5				
Other				
Other				

**3. PRETREATMENT INFORMATION**

3.1. Are process industrial wastes physically separated from all other wastes?

**Yes**       **No**

If not separated, where do they combine?

3.2. Is the proposed discharger subject to any Federal Pretreatment Standards?

**Yes**       **No**

Specify the applicable category:

3.3. Is the proposed pretreatment a continuous or a batch operation? If batch, describe frequency and duration of operation:

3.4. If not previously filed with Chesterfield County, describe in detail the wastewater treatment processes and include design volumes, detention times, removal efficiencies, etc. Attach any design drawings.

3.5. Describe sludge disposal method.

3.6. If applicable, provide sludge disposal contractor, address and telephone number.

3.7. List any other existing regulatory permits or documents associated with the applicant.

Permit Type	Issuing Authority	Permit Number

#### 4. CHARACTERISTICS AND CONCENTRATION OF POLLUTANTS IN WASTEWATER DISCHARGE

4.1. Are any of the following pollutants present or suspected of being present in the wastewaters discharged to the sanitary sewer? If yes, please provide the anticipated concentration (after pretreatment) in ppm (mg/l) or ppb. **Do not leave any blank fields.**

##### Priority Pollutants – Metals and Cyanide

Pollutant	Concentration	Pollutant	Concentration
Antimony and Compounds		Lead and Compounds	
Arsenic and Compounds		Mercury and Compounds	
Beryllium and Compounds		Nickel and Compounds	
Cadmium and Compounds		Selenium and Compounds	
Chromium and Compounds		Silver and Compounds	
Copper and Compounds		Thallium and Compounds	
Cyanide and Compounds		Zinc and Compounds	

Note: The term compounds shall include organic and inorganic compounds.

##### Priority Pollutants – Volatile and Semi-Volatile Organics

Pollutant	Concentration	Pollutant	Concentration
1,1,1-Trichloroethane		Bromoform	
1,1,2,2-Tetrachloroethane		Butylbenzyl phthalate	
1,1,2-Trichloroethane		Carbon tetrachloride	
1,1-Dichloroethane		Chlorinated benzenes	
1,1-Dichloroethylene		Chlorinated ethanes	
1,2,4-Trichlorobenzene		Chlorinated phenol	
1,2-Dichlorobenzene		Chlorodibromomethane	
1,2-Dichloroethane		Chloroform	
1,2-Dichloropropane		Chrysene	
1,2-Diphenylhydrazine		Di (2-ethylhexyl) phthalate	
1,2-trans-Dichloroethylene		Dibenzo(a,h)anthracene	
1,3-Dichlorobenzene		Dibutyl phthalate	
1,3-Dichloropropylene		Dichlorodifluoromethane	
1,4-Dichlorobenzene		Diethyl phthalate	
2,3,7,8-Tetrachlorodibenzo-p-dioxin		Di-n-octyl phthalate	
2,4,6-Trichlorophenol		Ethylbenzene	
2,4-Dichlorophenol		Fluoranthene	
2,4-Dimethylphenol		Fluorene	
2,4-Dinitrophenol		Hexachlorethane	
2,4-Dinitrotoluene		Hexachlorobenzene	
2,6-Dinitrotoluene		Hexachlorobutadiene	
2-Chloroethylvinyl ether		Hexachlorocyclohexane	
2-Chloronaphthalene		Hexachlorocyclopentadiene	
2-Nitrophenol		Indeno (1,2,3-cd) pyrene	
3,3-Dichlorobenzidine		Isophorone	

Pollutant	Concentration	Pollutant	Concentration
4,6-Dinitro-o-cresol		Methyl Bromide	
4-Bromophenyl phenyl ether		Methyl Chloride	
4-Nitrophenol		Methylene Chloride	
Acenaphthene		N- Nitrosodimethylamine	
Acenaphthylene		N- Nitrosodiphenylamine	
Acrolein		Naphthalene	
Acrylonitrile		Nitrobenzene	
Antracene		N-Nitrosodipropylamine	
Benzene		Parachlorometacresol	
Benzidine		Pentachlorophenol	
Benzo(a)anthracene		Phenanthrene	
Benzo(a)pyrene		Phenol	
Benzo(b)fluoranthene		Phthalate esters	
Benzo(ghi)perylene		Pyrene	
Benzo(k)fluoranthene		Tetrachloroethylene	
Bis (2-Chloroethoxy) methane		Toluene	
Bis (2-Chloroethyl) ether		Trichloroethylene	
Bis (2-Chloroisopropyl) ether		Trichlorofluoromethane	
Bromodichloromethane		Vinyl Chloride	
		Xylenes	

### Priority Pollutants – Pesticides and Pesticides Active Ingredients

Pollutant	Concentration	Pollutant	Concentration
2,4-DB		Fenvalerate	
4,4'- DDD		Glyphosate	
4,4'- DDE		Heptachlor	
4,4'- DDT		Heptachlor epoxide	
a-BHC		Isopropalin	
b-BHC		KN methyl	
d-BHC		Linuron	
g-BHC		Malathion	
a-Endosulfan		MCPA	
b-Endosulfan		MCPP	
Acephate		Merphos	
Acifluorfen		Methamidophos	
Alachlor		Methomyl	
Aldicarb		Methoxychlor	
Aldrin		Metribuzin	
Ametryn		Mevinphos	
Atrazine		Nabam	
Azinphos methyl		Nabonate	
Benfluralin		Naled	

Pollutant	Concentration	Pollutant	Concentration
Benomyl		Norflurazon	
Biphenyl		Organo-tin	
Bolstar		Parathion	
Bromacil		Parathion methyl	
Bromacil lithium		Polychlorinated byphenyls (PCBs)	
Bromoxynil		PCB-1016 (Arachlor 1016)	
Bromoxynil octanoate		PCB-1221 (Arachlor 1221)	
Busan 40		PCB-1232 (Arachlor 1232)	
Busan 85		PCB-1242 (Arachlor 1242)	
Butachlor		PCB-1248 (Arachlor 1248)	
Captafol		PCB-1254 (Arachlor 1254)	
Carbam-S		PCB-1260 (Arachlor 1260)	
Carbaryl		PCNB	
Carbofuran		Pendimethalin	
Chlordane		Permethrin	
Chloroneb		Phorate	
Chlorothalonil		Phosmet	
Chlorpyrifos		Prometon	
Cyanazine		Prometryn	
Dazomet		Pronamide	
DCPA		Propachlor	
DEF		Propanil	
Diazinon		Propazine	
Dichlorprop		Pyrethrin I	
Dichlorvos		Pyrethrin II	
Dieldrin		Simazine	
Dinoseb		Stirofos	
Dioxathion		TCMBT	
Disulfoton		Tebuthiron	
Diuron		Terbacil	
Endosulfan sulfate		Terbufos	
Endothall		Terbutylazine	
Endrin		Terbutryn	
Endrin aldehyde		Topaxene	
Ethalfuralin		Triadimefon	
Ethion		Trifluralin	
Fenarimol		Vapam	
Fensulfotion		Ziram	
Fenthion			

**Conventional Pollutants**

Pollutant	Concentration	Pollutant	Concentration
Biochemical Oxygen Demand, 5 day		pH (S.U.)	
Fecal Coliform		Total Suspended Solids	
Oil and Grease			

**Other Pollutants**

Pollutant	Concentration	Pollutant	Concentration
Algaecides		Manganese	
Aluminum		Molybdenum	
Ammonia		Nitrate	
Asbestos		Nitrite	
Barium		Organic nitrogen	
Boron		Phosphorus	
Bromide		Potassium	
Calcium		Radioactivity (picocurie/liter)	
Chemical Oxygen Demand (COD)		Sodium	
Chloride		Sulfate	
Cobalt		Sulfide	
Color (Pt-Co Units)		Sulfite	
Dyes (Inorganic)		Surfactants	
Dyes (Organic)		Tin	
Flammable liquids		Titanium	
Fluoride		Total Kjeldahl Nitrogen (TKN)	
High temperature ( > 80 °F)		Total Organic Carbon	
Iron		TPH	
Magnesium		Turbidity (Jackson Units)	

**Other Wastewater substances/characteristics known to be present but not identified by the preceding lists.**

Pollutant	Concentration	Pollutant	Concentration

Comments:



**5. ADDITIONAL INFORMATION**

5.1. Attach to this application the following:

Attached?

Schematic and/or final engineering drawings for the proposed waste pretreatment system.

- Yes
- No
- Previously filed with Chesterfield County

Facility "plumbing plans" which show the origin and flow paths of all generated waste streams.

- Yes
- No
- Previously filed with Chesterfield County

List of chemicals / raw materials stored on site

- Yes
- No
- Previously filed with Chesterfield County

All other relevant information on any existing facility that would aid in evaluating the proposed waste characteristics (Example: laboratory analyses, control test, logs, etc.)

- Yes
- No
- Previously filed with Chesterfield County

5.2. Is the proposed discharger relocating to Chesterfield County?

- Yes**       **No**

If yes, provide the following information:

Previous address:

Discharge Control Authority:

Attach wastewater discharge permit from previous location.

Comments:

5.3. Does the owner operate any other facilities of this type?

Yes       No

If yes, attach wastewater discharge permits from other locations.

Comments:

**6. CERTIFICATION**

*Application form requires the signature of a principal executive officer of at least the level of vice-president if the permittee is a corporation OR a general partner or proprietor if the permittee is a partnership or sole proprietorship. A duly authorized representative or a specific position may be designated to sign if such representative or position is responsible for the overall environmental compliance of the facility from which the industrial waste discharge originates. Attach Designation Of Authorized Representative (DOAR) form if needed.*

I am personally familiar with the information submitted in this application and hereby certify that the information herein is true, accurate and complete.

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Name / Title

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Signature

Date