

Please complete and submit the enclosed application.

All parameters in Table 1 and Table 2 must be sampled and analyzed for by a New Jersey Certified Laboratory. The most recent analytical data should be used to complete the application.

The analytical results must be attached to the completed application as well as entered on Tables 1 & 2.

On Table 2 all parameters known to be present should be marked as "Known Present".

An updated site map showing discharge and sampling location must accompany the application.

A check for the amount of \$150.00 must accompany the completed application.

If you have any questions, or if I can be of any assistance, please feel free to contact me at 732-469-0593 ext. 225.

Sincerely,

Eleanor Hoffman
Regulatory Compliance Officer/Assistant Engineer



THE SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY
BRIDGEWATER, NEW JERSEY

APPLICATION FOR NON-DOMESTIC WASTEWATER DISCHARGE

The following information must be reported. Incomplete applications will be returned. Please print or type.

A. GENERAL INFORMATION

Facility Name _____

Location: _____

Mailing Address: _____

Facility DUNS NO: _____

Parent Company: _____

Mailing Address: _____

Primary SIC: Code: ___ ___ ___ ___ Description: _____

Secondary SIC Codes: ___ ___ ___ ___ Description: _____

 ___ ___ ___ ___ Description: _____

 ___ ___ ___ ___ Description: _____

Is facility subject to any Categorical Pretreatment Standards? ___ Yes ___ No
If so, under which specific industrial category is the facility subject to?

Contact Official: Name: _____

Title: _____

Address: _____

Telephone: ___ ___ ___ - ___ ___ - ___ ___ Ext. ___ ___

B. FACILITY OPERATIONAL CHARACTERISTICS

Discharge Status: Proposed
 Existing
 Modified

If proposed, date user desires to commence operation: ___ / ___ / ___

Brief Description of Product(s) Manufactured or Services Provided

Number of Employees: Full Time: _____ Part Time: _____
 Average number of employees per shift: _____ 1st; _____ 2nd; _____ 3rd
 Shift start times: _____ 1st; _____ 2nd; _____ 3rd
 Shifts normally worked each day:

	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1 st	_____	_____	_____	_____	_____	_____	_____
2 nd	_____	_____	_____	_____	_____	_____	_____
3 rd	_____	_____	_____	_____	_____	_____	_____

C. WATER DATA

1. Raw Water Source(s)	<u>Is it metered?</u>	
	Yes	No
<input type="checkbox"/> Public Supply	_____	_____
<input type="checkbox"/> Private Well	_____	_____
<input type="checkbox"/> Surface Water	_____	_____
<input type="checkbox"/> Other _____	_____	_____

2. Water Received: Year 20 _____
 If water source is not metered, indicate below the method of determining the volume.

(Report volume in gallons)

	Public Supply	Well	Surface	Other	Total
1 st Quarter	_____	_____	_____	_____	_____
2 nd Quarter	_____	_____	_____	_____	_____
3 rd Quarter	_____	_____	_____	_____	_____
4 th Quarter	_____	_____	_____	_____	_____
				Grand Total:	_____

Method of determining volume(s): _____

3. Water Distribution: Year 20____ (Report volume in gallons/year)

- A. SRVSA Sanitary Sewer _____
 - B. Storm sewer, River or other point _____
Discharge (identify) _____
 - C. Contained in product _____
 - D. Evaporation _____
 - E. Waste Haulers _____
 - F. Other _____
- Total: _____

How were the above volumes determined?

D. WASTEWATER DISCHARGE

Type of Discharge: Continuous
 Batch

If Continuous:

Average Daily Discharge: _____ gallons per day
Maximum Daily Discharge: _____ gallons per day
Instantaneous Peak Discharge: _____ gallons per day

If Batch:

Average Number of Batches/24 hours _____
Average Volume of Batch _____ gallons
Total Volume per Day _____ gallons per day

Is there a scheduled shut-down? Yes
 No

When: _____

List facility discharge points, size, flow (attach separate sheet and map).

Describe seasonal variations, if any, giving dates, volumes, rates, hours, etc. Include variations in product lines which affect waste characteristics:

Describe any pretreatment process in use:

E. ANALYSIS OF WASTEWATER DISCHARGE

Sampling

The collection of samples for laboratory analyses should be supervised by a person experienced in performing sampling of industrial wastewater. Any specific requirements contained in the applicable analytical methods should be followed to ensure that the sample taken is representative of wastewater that contains all processes which contribute during normal operation; that proper sampling techniques are used; that samples are protected and preserved until they are analyzed and proper chain of custody procedures are followed. Samples should be collected from the center of the flow channel, where turbulence is at a maximum or any site adequate for the collection of a representative sample.

Grab and composite samples are defined as follows;

1. Grab Sample. An individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.
2. Composite Sample. A composite sample is a collection of individual samples obtained at regular intervals during 24 hour period. The composite must be flow proportional where applicable or the time interval between each aliquot should not exceed 15 minutes. In case of a facility with operating hours of less than 24 hours per day, a combination sample of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of the facility will suffice. SRVSA reserves the right to determine on case by case bases which procedure of obtaining the composite sample will be used.

Analysis

Sample analysis shall be performed by a laboratory certified by the State of New Jersey. Test methods promulgated in 40 CFR Part 136 must be used. If none has been promulgated for a particular pollutant, an alternate method for measuring the level of the pollutant may be used provided that a description of the method or a reference to a published

method is submitted. Description should include the sample holding times, preservation techniques, and the quality control measures which were used.

Completing the application

For proposed (new) discharges, in which the actual wastestream is unavailable for sampling, estimated concentrations for all pollutants anticipated to be discharged shall be provided. The estimated analysis must be verified by sampling and testing the wastestream no later than ten (30) days following commencement of discharge.

All wastestreams are required to be analyzed for the parameters listed in Table 1 and Table 2. Composite samples shall be used for all analyses except pH, temperature, cyanide, oil & grease, Volatile Organic Compounds and Total Petroleum Hydrocarbons which shall use grab samples.

For each discharge point, quantitative data must be reported for each pollutant listed in Table 2.

For industries subject to Categorical Pretreatment Standards, mark "X" in the "Testing Required" column for each pollutant limited by the appropriate Categorical Standard and provide results of at least one analysis for each of these pollutants.

For all industries, mark "X" in the "Known Present" column for each pollutant to be present in the wastestream or "Known Absent" column. Results of at least one analysis for each pollutant must be provided.

Determination that a pollutant is present in or absent from the wastestream shall be based on knowledge of the raw materials, maintenance chemicals, intermediate and final products and by-products, and any previous analyses, if any, of the wastestream.

Table 1 and Table 2 must be completed for each discharge point. Concentrations of all pollutants in Table 2 shall be measured in micrograms per liter ($\mu\text{g}/\text{l}$). Use composite samples for all pollutants in this Part, except use grab samples for Volatile Organic Compounds.

Samples Collected By: _____ Date: _____

Samples Analyzed By: _____ Date: _____

Laboratory Name: _____ State Certification No. _____

Products being manufactured when sample was collected: _____

F. PREPARER INFORMATION

The information contained in this application is familiar to me and to the best of my knowledge and belief; such information is true, complete and accurate.

Signature of Official

Date: _____

Typed or Printed Name & Title of Signing Official

Return completed application *and all other correspondence to:
Executive Director, The Somerset Raritan Valley Sewerage Authority,
P.O. Box 6400, Bridgewater, NJ 08807.

***There is a \$150.00 application review fee.**

TABLE 1

Discharge Point (Name or No.)

Parameters	
Give Quantity in mg/l	
Biochemical Oxygen Demand	
Chemical Oxygen Demand	
Total Organic Carbon	
Total Suspended Solids	
Total Dissolved Solids	
Total Petroleum Hydrocarbons	
Carbonaceous Biological Oxygen Demand	
Ammonia (as N)	
Temperature (°C) - Summer	
(°C) - Winter	
pH (in standard units)	
Oil & Grease	

Parameters (in mg/l)

Antimony, Total	
Arsenic, Total	
Beryllium, Total	
Boron, Total	
Cadmium, Total	
Chromium, Total	
Copper, Total	
Iron, Total	
Lead, Total	
Manganese, Total	
Mercury, Total	
Nickel, Total	
Selenium, Total	
Silver, Total	
Thallium, Total	
Zinc, Total	
Cyanide, Total	

TABLE 2

Discharge
Point

(Name or
Number)

POLLUTANT AND CAS NO. <i>(If available)</i>	MARK 'X'			EFFLUENT CONC <i>(in µg/l)</i>	NO. OF ANALYSES	POLLUTANT AND CAS NO. <i>(If available)</i>	MARK 'X'			EFFLUENT CONC <i>(in µg/l)</i>	NO. OF ANALYSES
	TESTING REQUIRE D	KNOWN PRESENT	KNOWN ABSENT				TESTING REQUIRE D	KNOWN PRESENT	KNOWN ABSENT		
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS						GC/MS FRACTION - BASE NEUTRAL COMPOUNDS					
1B Acenaphthene (83-32-9)						14B 4-Bromo-phenyl Phenyl Ether (101-55-3)					
2B Acenaphthylene (208-96-8)						15B Butyl Benzyl Phthalate (85-68-7)					
3B Anthracene (120-12-7)						16B 2-Chloro- naphthalene (91-58-7)					
4B Benzidine (92-87-5)						17B 4-Chlorophenyl Phenyl Ether (7005-72-3)					
5B Benzo (a) Anthracene (56-55-3)						18B Chrysene (218-01-9)					
6B Benzo (a) Pyrene (50-32-8)						19B Dibenzo (a,h) Anthracene (53-70-3)					
7B Benzo (b) Fluoranthene (205-99-2)						20B 1,2 Dichloro- benzene (95-50-1)					
8B Benzo (ghi) Perlyene (191-24-2)						21B 1,3 Dichloro- benzene (541-73-1)					
9B Benzo (k) Fluoranthene (207-08-9)						22B 1,4 Dichloro- benzene (106-46-7)					
10B Bis (2-Chloro- ethoxy) Methane (111-91-1)						23B 3,3 Dichloro- benzidine (91-94-1)					
11B Bis (2-Chloro- ethyl) Ether (111-44-4)						24B Diethyl Phthalate (86-66-2)					
12B Bis (2-Chloro- isopropyl (39638-32-9)						25B Dimethyl Phthalate (131-11-3)					
13B Bis (2-Ethyl- hexyl) Pthalate (117-81-7)						26B Di-N-Butyl Phthalate (84-74-2)					

TABLE 2
(CONTINUED)

Discharge Point

(Name or
Number)

POLLUTANT AND CAS NO. <i>(If available)</i>	MARK 'X'			EFFLUENT CONCENTRATION (in μ /l)	NO. OF ANALYSES	POLLUTANT AND CAS NO. <i>(If available)</i>	MARK 'X'			EFFLUENT CONCENTRATION (in μ /l)	NO. OF ANALYSES
	TESTING REQUIRED	KNOWN PRESENT	KNOWN ABSENT				TESTING REQUIRED	KNOWN PRESENT	KNOWN ABSENT		
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS						GC/MS FRACTION - BASE NEUTRAL COMPOUNDS					
27B 2,4 Dinitro- toluene (121-14-2)						37B Indeno (1,2,3-cd) Pryene (193-39-5)					
28B 2,6 Dinitro- toluene (606-20-2)						38B Isophorone (78-59-1)					
29B Di-N-Octyl Phthalate (117-84-0)						39B Naphthalene (91-20-3)					
30B 1,2 Diphenyl Hydrazine (as Azobenzene) (122-66-7)						40B Nitrobenzene (98-95-3)					
31B Fluoranthene (206-44-0)						41B N-Nitro- sodimethylamine (62-75-9)					
32B Flourene (86-73-7)						42B N-Nitrosodi-N- Propylamine (621-64-7)					
33B Hexachloro- benzene (118-74-1)						43B N-Nitro- sodiphenylamine (86-30-6)					
34B Hexachloro- butadiene (87-68-3)						44B Phenanthrene (85-01-8)					
35B Hexachloro- cyclopentadiene (77-47-4)						45B Pyrene (129-00-0)					
36B Hexachloro- ethane (67-72-1)						46B 1,2,4 Trichlor- benzene (120-82-1)					

TABLE 2
(CONTINUED)

Discharge Point

(Name or
Number)

POLLUTANT AND CAS NO. <i>(If available)</i>	MARK 'X'			EFFLUENT CONCENTRATION (in μ/l)	NO. OF ANALYSES	POLLUTANT AND CAS NO. <i>(If available)</i>	MARK 'X'			EFFLUENT CONCENTRATION (in μ/l)	NO. OF ANALYSES
	TESTING REQUIRED	KNOWN PRESENT	KNOWN ABSENT				TESTING REQUIRED	KNOWN PRESENT	KNOWN ABSENT		
GC/MS FRACTION - PESTICIDES						GC/MS FRACTION - PESTICIDES					
1P Aldrin (309-00-2)						14P Endrin (72-20-8)					
2P Alpha BHC (319-84-6)						15P Endrin Aldehyde (7421-93-4)					
3P Beta BHC (319-85-7)						16P Heptachlor (76-44-8)					
4P Gamma BHC (58-89-9)						17P Heptachlor Epoxide (1024-57-3)					
5P Delta BHC (319-86-8)						18P PCB-1242 (53469-21-9)					
6P Chlordane (57-74-9)						19P PCB-1254 (11097-69-1)					
7P 4.4' DDT (50-29-3)						20P PCB-1221 (11104-28-2)					
8P 4.4' DDE (72-55-9)						21P PCB-1232 (11141-16-5)					
9P 4.4' DDD (72-54-8)						22P PCB-1248 (12672-29-6)					
10P Dieldrin (60-57-1)						23P PCB-1260 (11096-82-5)					
11P Alpha Endo-sulfan (959-98-8)						24P PCB-1016 (12674-11-2)					
12P Beta Endo-sulfan (33213-65-9)						25P Toxaphene (8001-35-2)					
13P Endosulfan Sulfate (1031-07-8)											

TABLE 2
(CONTINUED)

Discharge Point

(Name or
Number)

POLLUTANT AND CAS NO. <i>(If available)</i>	MARK 'X'			EFFLUENT CONCENTRATION (in μ /l)	NO. OF ANALYSES	POLLUTANT AND CAS NO. <i>(If available)</i>	MARK 'X'			EFFLUENT CONCENTRATION (in μ /l)	NO. OF ANALYSES
	TESTING REQUIRED	KNOWN PRESENT	KNOWN ABSENT				TESTING REQUIRED	KNOWN PRESENT	KNOWN ABSENT		
GC/MS FRACTION - VOLATILE COMPOUNDS						GC/MS FRACTION - VOLATILE COMPOUNDS					
1V Acrolein (107-02-8)						17V 1,2 Dichloro- Propane (78-87-5)					
2V Acrylonitrile (107-13-1)						18V 1,3 Dichloro- propylene (542-75-6)					
3V Benzene (71-43-2)						19V Ethylbenzene (100-41-4)					
4V Bis chloro- methyl ether (542-88-1)						20V Methyl Bromide (74-83-9)					
5V Bromoform (75-25-2)						21V Methyl Chloride (74-87-3)					
6V Carbon Tetra- chloride (56-23-5)						22V Methylene Chloride (75-09-2)					
7V Chlorobenzene (108-90-7)						23V 1,1,2,2, Tetra- chloroethane (79-34-5)					
8V Chlorodibromo- methane (124-43-1)						24V Tetrachloro- ethylene (127-18-4)					
9V Chlorethane (75-00-3)						25V Toluene (108-88-3)					
10V 2-Chloro- ethylvinyl Ether (110-75-8)						26V 1,2 Trans- Dichloroethylene (156-60-5)					
11V Chloroform (67-66-3)						27V 1,1,1 Tri- chloroethane (71-55-6)					
12V Dichloro- bromomethane (75-27-6)						28V 1,1,2 Tri- chloroethane (79-00-5)					
13V Dichloro- difluoromethane (75-71-8)						29V Trichloro- ethylene (79-01-6)					
14V 1,1 Dichloro- ethane (75-34-3)						30V Trichloro- fluoromethane (75-69-4)					
15V 1,2 Dichloro- ethane (107-06-2)						31V Vinyl Chloride (75-01-4)					
16V 1,1 Dichloro- ethylene (75-35-4)											

TABLE 2 (CONTINUED)

Discharge Point

(Name or Number)

POLLUTANT AND CAS NO. <i>(If available)</i>	MARK 'X'			EFFLUENT CONCENTRATION (in μ /l)	NO. OF ANALYSES	POLLUTANT AND CAS NO. <i>(If available)</i>	MARK 'X'			EFFLUENT CONCENTRATION (in μ /l)	NO. OF ANALYSES
	TESTING REQUIRED	KNOWN PRESENT	KNOWN ABSENT				TESTING REQUIRED	KNOWN PRESENT	KNOWN ABSENT		
GC/MS FRACTION - ACID COMPOUNDS						GC/MS FRACTION - ACID COMPOUNDS					
1A 2 Chlorophenol (95-57-8)						7A 4-Nitrophenol (100-02-7)					
2A 2,4 Dichloro-phenol (120-83-2)						8A P-Chloro-M-Cresol (59-50-7)					
3A 2,4 Dimethyl-phenol (105-67-9)						9A Pentachloro-phenol (87-86-5)					
4A 4,6 Dinitro-O-Cresol (534-52-1)						10A Phenol (108-95-2)					
5A 2,4 Dinitro-phenol (51-28-5)						11A 2,4,6 Tri-chlorophenol (88-06-2)					
6A 2-Nitrophenol (88-75-5)											
OTHER POLLUTANTS											
Bromide (24959-67-9)						Sulfide (as S)					
Chlorine, Total Residual						Sulfite (as SO ₃) (14265-45-3)					
Color						Surfactants					
Fecal Coliform						Aluminum, Total (7429-90-5)					
Fluoride (16984-48-8)						Barium, Total (7440-39-3)					
Nitrate-Nitrite (as N)						Magnesium, Total (7439-95-4)					
Nitrogen, Total Organic (as N)						Molybdenum, Total (7439-98-7)					
Oil and Grease						Tin, Total (7440-31-5)					
Phosphorus (as P) Total (7723-14-0)						Titanium, Total (7440-32-6)					
Sulfate (as SO ₄) (14808-79-8)											