



# INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE PERMIT APPLICATION

## Purpose

These instructions are to assist you in completing a Wastewater Discharge Permit Application for the Sacramento Regional County Sanitation District (SRCS D). This application may be required for certain wastewater generating processes regardless of whether the wastewater is discharged to SRCS D's sanitary sewer system. Your completed application will aid SRCS D in understanding your industry's wastewater characteristics and in assessing your need for a permit. You must complete it if requested to do so by SRCS D. You may not *necessarily* need or receive a permit as a result of filling out this application.

The Wastewater Source Control Section (WSCS) of SRCS D is responsible for implementing US EPA General Pretreatment Regulations (40 CFR 403) for industries with wastewaters that meet certain criteria generally related to the amount of flow, chemical or other processes used, total suspended solids (TSS), and biological oxygen demand (BOD). WSCS also enforces the SRCS D's Sewer Use Ordinance, which regulates the use of public sewers connected to the Sacramento Regional Wastewater Treatment Plant. The Sewer Use Ordinance addresses issues such as pH, spills, and other pollutants that may interfere with the operation of the public sewerage system.

## General Instructions

- Type or print clearly all required information. If you need more space you may attach additional sheets for any section of the application. Type or print the business name and date at the top of any attachments and at the top of each application page.
- Please call the SRCS D's Wastewater Source Control Section at (916) 875-6470 if you have any questions or have left some blanks. Often the first submittal is a draft that can be refined. You may also call the non-regulatory Business Environmental Resource Center (BERC) of the Sacramento County Department of Economic Development at (916) 649-0225 for assistance in filling out the application or with general compliance questions that may apply to your business.

## Instructions for Section A. - Applicant Information

- **Business Name** - Enter the name or title of your business.
- **Date** – Enter date the application is completed.
- **Facility Address** - Enter the full street address of the building or business that is or will be discharging the wastewater.
- **Assessor Parcel Number (APN)** – Enter the APN. The APN can be obtained from the County of Sacramento Assessor's Office or online at <http://www.assessor.saccounty.net/accessibility/gis-accessibility-disclaimer.html>.
- **Mailing Address** – Enter the full mailing address for the business.
- **Permit Number** – If renewing a Wastewater Discharge Permit, enter current permit number.
- **Type of Business Entity** – Circle the type of business entity that applies (Corporation, Limited Liability Company, Limited Partnership).
- **Person to Contact About This Application** – Provide name of person who filled out the application and whom SRCS D staff can contact.
- **Title** – Provide the job title to the person to contact regarding the application.

- **Contact Information** – Provide phone number, fax number, and e-mail address for the person to contact regarding the application.
- **Person to Contact About Facility Operations** – If a different person is familiar with process details please provide contact information.
- **Title** – Provide the job title to the person to contact regarding the facility operations.
- **Contact Information** – Provide phone number, fax number, and e-mail address for the person to contact regarding the facility operations.
- **Anticipated Start Date** – State the date the first wastewater discharge will occur.
- **Date of Last Application** – Enter the date of the last application submitted to WSCS.
- **Date Operations Began at Facility** – Enter the date operations began at the facility.

### **Instructions for Section B. - Business Description**

- **List Manufacturing or Service Activities** - Briefly describe the primary and secondary business activities at this location. (e.g., tomato processing, metal fabrication, hard chrome plating, etc.)
- **Products, Raw Materials** - List any products and raw materials at this facility including any brand or trade names and proper names (e.g., "Glen's Certi-fresh" individually quick frozen Pacific Salmon fillets, pre-fabricated steel parts, chromic acid, food or chemical commodities such as glycerin, bread, water etc.)
- **NAIC or SIC code(s)** - List the North American Industrial Classification (**NAIC**) codes for the major business activities at this location. Be sure to include codes for all significant wastewater-generating processes, such as photoprocessing. NAIC codes replaced SIC (Standard Industrial Classification) codes in 1997. Manuals and databases showing correspondence between the SIC and NAIC are available, however, if you need help determining the codes which apply to your business, you may contact SRCSD's Wastewater Source Control Section at (916) 875-6470. You also may refer to <http://www.census.gov/epcd/www/naics.html>.
- **Applicable Federal Categorical Pretreatment Standards** - If you know that one or more of the industrial processes at this facility is regulated by US EPA National Pretreatment Program Categorical Standards and know which standard(s) applies, you may enter the name of the category(ies) and cite the applicable Part(s) under Subchapter N from the Code of Federal Regulations Chapter - EPA. Refer to Attachment 1 for a list of current Federal Categorical Pretreatment Standards. WSCS will also conduct a review of potentially applicable categories that may apply to your industry.
- **Circle Listed Operations Present** – Please circle all listed unit operations, if any, present at your facility.

### **Instructions for Section C. - Wastewater Characterization and Fee Information**

- **Billing Responsible Party/Address** - Enter the name of the person who should receive the sewer bill for this facility and full mailing address, if different than that listed in Section A.
- **Number of Employees/Hours of Operation** – Enter the total number of employees at this facility and general facility hours of operation.
- **TABLE 1: Summary of Total Sewer Discharges (Page 2)** – This table summarizes continuous and frequent batch flows that enter the sewer. Batch flows that occur infrequently, less than once per month, should be considered temporary and only listed in Table 3.

- Fill in the required data completely. This information will be used to determine the methods and formulas for calculating Sewer Impact Fees (**SIF** or Connection Fees) and part of the first quarter's sewer bill. If this facility should qualify for a permit, the Maximum Monthly Discharge, Maximum BOD, and Maximum TSS entries typically will be the maximum allowable values on the permit. If you don't know the wastewater flow or concentration information, contact WSCS for assistance prior to application submittal.
- Outfall # (Outfall number) is used to identify the separate sewer connections to the public sewer system. The Outfall numbers used here must correspond to the outfall numbers used on the Facility Layout Diagram (see Section D.). Outfall 1 is always the Process Outfall where production flows enter the sewer. More than one process outfall may exist and should be numbered separately. The last outfall represents the domestic contribution (wastewater from kitchens and restrooms) to the sewer. Domestic may be mixed with Outfall 1 (process water), but for tracking and load calculation purposes, please provide the domestic contribution separately and make a note if actual outfalls are combined. If you have additional process, domestic or combined connections or outfalls, please note each one.
- Domestic wastewater discharges may be estimated by multiplying the number of full-time employees by 25 gallons per day per employee. SRCSD applies typical domestic wastewater strengths for BOD and TSS concentrations, which average 180 milligrams per liter (mg/L) each. For your convenience, this number has already been entered in Table 1.
- Wastewater discharge information may be from actual meter readings (influent or effluent) or may be estimates but should be as accurate as possible. If influent water meter readings are used, be sure to account for losses due to evaporation, irrigation use, water used in product, etc. Laundries will not be able to claim more than a 16% evaporative loss of process water unless metered.
- Biochemical Oxygen Demand (**BOD**) and Total Suspended Solids (**TSS**) are the measures of wastewater strength used to calculate monthly sewer bills and Sewer Impact Fees. BOD and TSS levels can be stated in concentration (mg/L) or pounds. You must specify unit as pounds or mg/L. Certified laboratory analysis of representative wastewater samples is the preferred method for obtaining the required BOD and TSS information. For new facilities, estimates based on good engineering practices, applicable industry sources, or other experience are acceptable. However, you must provide WSCS with the method or calculation used to determine estimates. You may contract with a certified laboratory to collect and analyze a sample to determine BOD and TSS from your production wastestream or outfalls. A list of certified laboratories is available from BERL at (916) 649-0225. Alternately, WSCS can collect a sample and charge you for the costs. Call WSCS at (916) 875-6470 for more information.
- Indicate specific discharge hours for each outfall.
- **TABLE 2: Continuous Sewer Discharge Characteristics for Process Wastewater (Page 2)** – Please enter wastewater characteristics for each process outfall.
  - For all process or production outfalls, provide actual measurements of the minimum, maximum, and average pH and temperatures (Fahrenheit) of wastewaters discharged. For this application, any method of pH measurement is acceptable.
  - Measured or estimated total dissolved solids (**TDS**) levels, expressed as a concentration (mg/L) or pounds, must be provided for each process outfall identified by the Outfall #.
- **TABLE 3: Batch Discharges to Sewer (Page 2)** – Batch discharges are wastestreams that are controlled in some way or held in a tank and discretely discharged when full or according to a schedule, as opposed to freely entering the sewer continuously throughout each day. Examples include boiler blowdown, intermittent process wastewater, backwash wastewater, batch discharges from storage tanks, etc.
  - If the discharges are monthly, weekly, or more frequent, describe frequency, duration and volume (per batch). Please include the batch volume in Summary Table 1 totals. If the batch is discharged less frequently than one month (*for example*, once every 6 months), then a Temporary Discharge Permit (TDP)

may be appropriate. You must complete a TDP application for each batch discharge. A TDP will be issued for each batch discharge. Please include infrequent batch discharges in this Table. Call WSCS at (916) 875-6470 to request a Temporary Discharge Permit Application.

- Indicate batch discharge flow rates in terms of gallons per minute (**gpm**). Batch discharges may result in high flow rates over a short period of time, potentially impacting the receiving sewer collection system. This rate may be restricted by SRCSD depending on local sewer conditions.

### **Instructions for Section D. - Drawings and Diagrams**

Prepare the Process Flow Diagram and Facility Layout according to the instructions on the following pages and attach them to the completed application. Attach other regulatory permits required or held by your business as a list to the application, such as for air quality, hazardous waste, or the National Pollutant Discharge Elimination System.

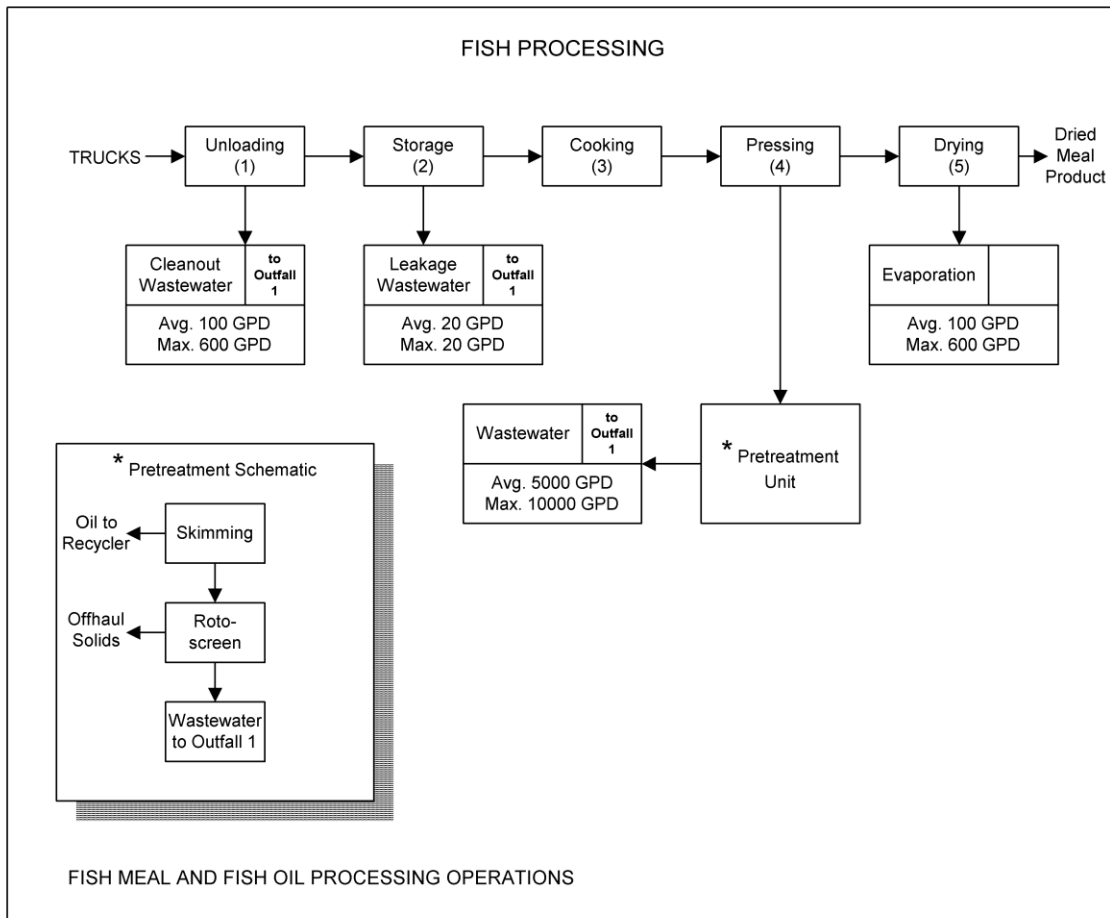
NOTE: Some of the information needed for the diagram and facility layout may be obtained from your Sacramento County Hazardous Materials Business Plan, if applicable.

**Instructions for Completing a *Process Flow Diagram***

Process Flow diagrams for each of the activities listed in Section E, Table 4 (Water Supply & Loss) of the application *must* be submitted.

- Identify the production flow at the facility using arrows and extend lines down to show where wastewater is generated and to which Outfall it enters.
- Number each process [e.g., (1) through (5) below] and use the same number for identification on the Facility Layout.
- Label Average and Maximum Daily Flows, which may be determined from water meter readings or estimated as needed. The totals for the average and maximum water discharge numbers should match Table 1.

**EXAMPLE**



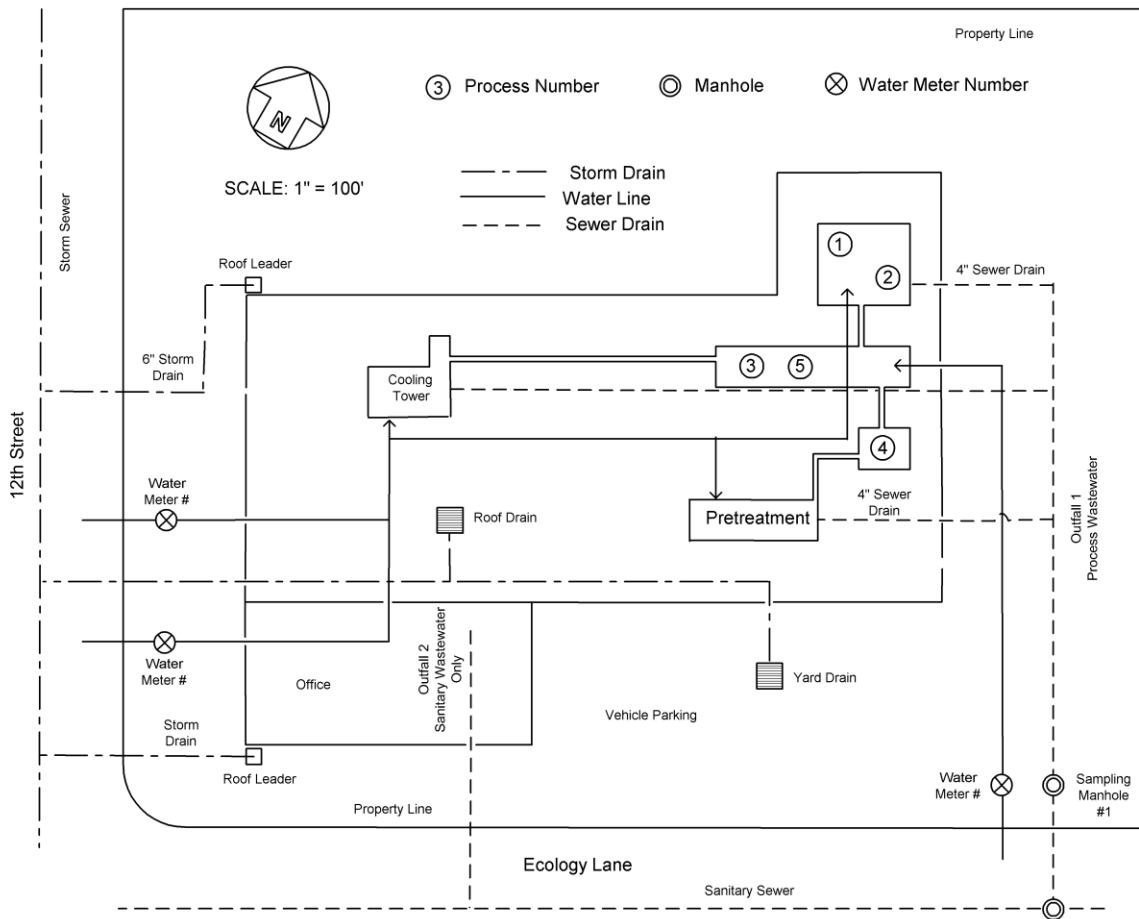
## Instructions for Completing a *Facility Layout*

A Facility Layout map *must* be submitted.

Clearly identify: (1) building outline, (2) property lines, (3) a north arrow, (4) scale of drawing, (5) all wastewater drainage plumbing (6) all storm drains, (7) the location of each existing and/or proposed sampling structure, (8) outfall sample points, (9) all sewer outfalls, (10) all sewer lines, (11) all water supply lines and meters, (12) all wastewater generating processes, and (13) a legend for symbols.

### EXAMPLE

Mike's Fish Company  
1234 Ecology Lane  
Sacramento, CA



## Instructions for Section E. - Water Supply & Loss

**Purpose** – This section will show how water is used at your facility **per day**, including domestic, landscaping, and process water use. The Total Water Supply (Table 4) and Total Wastewater Discharges/Loss (Table 5) should balance and be equal. Include both municipal, surface water (including rainfall) and private well-supplied water sources.

- **TABLE 4: Total Water Supply (Page 2) –**

- Provide the name of the water purveyor or note if private onsite well is used as a water source. A list/map of local purveyors is available at BERC at (916) 649-0225.
- Enter the average number of gallons per day for each of the listed uses, using meter readings or any reasonably accurate method of estimation.
- Batch discharges that occur monthly, weekly, or more frequently should be included here as if they were discharged all on the same day, if that could possibly occur.
- List water from a public water purveyor separately from other water sources. Other sources of water which should be accounted for are well, creek, stormwater, and reclaimed water.

**Example**

Section E. -- Water Use and Disposition		
Name of Water Purveyor:	City of Sacramento	
<b>Table 4. Total Water Supply</b>		
Water Use	Amount From Purveyor	Amount from Other (note source)
Domestic	500 gpd	gpd
Processes	220 gpd	5,000 gpd
Boiler	200 gpd	gpd
Cooling	4000 gpd	gpd
Wash-down	1000 gpd	gpd
Product	gpd	gpd
Irrigation	2000 gpd	gpd
Other	gpd	gpd
	gpd	gpd
Water Supply - Total	12,920	gpd

- **TABLE 5: Total Water Discharges/Loss (Page 3)**

- State how much water goes to each use at your facility, including evaporation, landscaping and production.
- Using meter readings or any reasonably accurate method of estimation, enter the approximate number of gallons per day (**gpd**) discharged to each of the sewer outfalls for this facility. In the columns labeled "Other" account for water disposal/uses/losses not going to the sanitary sewer system. Identify water lost/disposed to creek, storm drain, rail, truck, evaporation, product, or other disposition. See example.

**Example**

Table 5. Total Water Discharges/Loss						
List How Much Water Goes to Outfalls or Other Areas (e.g., sewer, land, evaporation, product)						
Water Use	Amount of Discharge to Outfall #				Amount of Discharge to Other	
	1	2	3	4	Description	gpd
Domestic		500				
Process 1	5120				Evaporation	100
Process 2					Evaporation	100
Boiler	100					
Cooling	4000					
Wash-down	1000					
Product						
Irrigation						2000
Other:						
Discharged to Sewer Outfalls - Total				Discharged to Other Areas - Total		
<u>10,720</u> gallons				<u>2,200</u> gallons		

**Note:** The total amount of wastewater discharged to sewer and the amount discharged/used/lost to other should equal the total amount of water supply from Table 4.

**Instructions for Section F. - Process Wastes**

- **TABLE 6: Process Wastewaters (Page 3)** – Identify *all* wastestreams that contain water and are generated from production or process, *regardless* if it enters the sewer. In the "Process #" column, enter the process number from the Process Flow Diagram. In the "Wastewater Description" column, briefly identify the wastewater process source. In the "Pollutants/Characteristics" column list the physical or chemical pollutants and characteristics (see Attachment 2) which could reasonably be expected in this wastestream. The pollutants listed may be based on laboratory analysis of wastewater samples or your knowledge of the process.
- **List whether you have pretreatment of your wastewater streams in place.**
- **TABLE 7: Waste Disposal (Page 4)** – List all hazardous and non-hazardous wastes at your facility disposed by means other than discharge to the sewer system. Type of Waste could include waste oil, solid waste, hazardous waste, etc. "Volume" should indicate volume disposed of at the "Frequency" indicated. In the "Waste Removed By" column give the name of the company transporting the waste. Indicate whether you have a sand or oil/water separator, clarifier, interceptor, or grease interceptor in place by circling Yes or No.

*NOTE: Wastes from sumps, sand-oil interceptors, grease interceptors, and grease traps must be listed here. Such wastes may be associated with vehicle maintenance, food processing, or food preparation operations and are often pumped-out by non-hazardous liquid waste haulers (septic tank/grease trap service companies).*

NOTE: Hazardous waste treatment, such as pH adjustment, may also require a separate permit from the Environmental Management Department.

**Instructions for Section G. - Chemical Use and Storage**

**TABLE 8: Chemical Use and Storage (Page 4)** – Please list the product and common name of *all* chemicals present at the facility and their hazardous ingredients. If too numerous to list, please categorize as best as possible. This information can be found in the Material Safety Data Sheet (MSDS) for the chemical and may be available on your Sacramento County Hazardous Materials Business Plan, if applicable.

- Include raw materials, products, and gases.

Suggested Chemical/Product Groupings		
Acid Solutions (> 5% acid)	Flammable Liquids	Chlorinated Solvents
Solid or Liquid Caustics (> 10% caustic)	Finely Divided Heavy Metals or Sludges	Cyanide solutions (>1g/L)
Ammonia	Heavy Metals in Solution (>5g/L)	

**Example:**

Typical Chemical Use & Storage List				
Chemical/ Product Name	Where Used	Hazardous Ingredient from MSDS	Max. Amt. Stored	Amt. Used Annually
K Brand Inhibitor 12 (rust inhibitor)	Cooling equipment	Cyclohexylamine	50 gal	100 gal
Sodium hydroxide	Rinse storage tank	Sodium hydroxide	1000 gal	12,000 gal
Yankee Oil #5	Pumps	Petroleum distillates	55 gal	200 gal

- In the "Chemical/Product " column give the common name with the trade name. In the "Hazardous Ingredients" column give the name of the primary listed hazardous constituents, so that WSCS can identify what the product is. You do not need to submit MSDSs for any of these chemicals/materials unless specifically requested.

**Instructions for Section H. - Notes Section**

This section was provided for you to include any notes or comments you may have.

**Instructions for Section I. - Certification and Signature**

- **Name and Title** - Type or print the name and title of the person signing the application. All applications, reports, or related information required by SRCSD must contain the certification statement contained in Section I and must be signed as follows (40 CFR 403.12 (l)):

1. If IU is a Corporation (“Inc.”)

- a. Corporate Officer (President, Secretary, Treasurer, VP or any other person who performs similar policy- or decision-making functions for the corporation)
  - b. The manager of one or more manufacturing, production, or operating facilities having authority to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measure to assure long-term environmental compliance with environmental laws and regulations; can ensure that the necessary systems are established or action taken to gather complete and accurate information for control mechanism requirements and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
2. If IU is a Partnership or Proprietorship (“LLP”, “LLC”, “LTD”)
    - a. General Partner
    - b. Proprietor
  3. If IU is a Government Entity
    - a. Principal Executive Officer or Director with responsibility for the discharging facility.
  4. Any Duly Authorized Representative (or *Position*) given written authorization by a person in one of the above three categories. The representative usually includes: plant manager, operator of a well, superintendent, personnel having overall responsibility for environmental matters for the company, etc.
  5. If a specific person or position is named in #4 above and that person leaves or the position is eliminated, SRCSD must be provided with a new authorization prior to or with any reports to be signed by an authorized representative.
- **Signature and Date** – An application will not be accepted if it is not signed as specified above and dated. Any written authorization for another’s signature must accompany the application if not already on file with SRCSD.

**Submitting Your Application**

- Please make sure that the business name and date of the application is on the top of each page of any attachments.
- If you are unsure if you have filled out the application correctly, please submit a draft. SRCSD may require you to fill out another application if the reported values require adjustment. There are no application fees. A permit management fee is included in typical industrial sewer bills once permitted.
- If you need help filling out the wastewater discharge permit application, you may contact BERC for assistance at (916) 649-0225.
- Make a copy of the application and attachments for your records and submit the signed original application to:

**Sacramento Regional County Sanitation District  
Wastewater Source Control Section  
10060 Goethe Road  
Sacramento, CA 95827**

**Phone: 916-875-6470  
Fax: 916-875-6374**

**Application Review and Permitting**

- **Review** – SRCSD staff will review your application within approximately 60 days and may contact you for additional information.

- **No Permit Required** – When the completed application and any additional information requested is on file with SRCSD, staff will first determine if a Wastewater Discharge Permit is required. If no permit is required, you will be notified in writing and will thereby be authorized to discharge the wastewaters described in your application.
- **Permit Required** – If a Wastewater Discharge Permit is required, you will receive a draft permit for your review and comments. If you are given a draft permit and have comments, SRCSD will consider your comments and make corrections or reasonable changes to the conditions of the permit in accordance with the applicable regulations and will then issue the final permit. However, if comments are not received in a timely manner, a final permit will be issued.

## ATTACHMENT 1

### INDUSTRIAL CATEGORIES WITH INDUSTRIAL PRETREATMENT STANDARDS

The following is a list of industrial categories for which specific US EPA National Categorical Pretreatment Standards/requirements have been promulgated. Categorical Pretreatment Standards will apply to discharges to a Publicly Owned Treatment Works (POTW).

Description	40 CFR Part
<b>Aluminum Forming</b>	467
<b>Battery Manufacturing</b>	461
<b>Carbon Black Manufacturing</b>	458
<b>Centralized Waste Treatment</b>	437
<b>Coil Coating</b>	465
<b>Commercial Hazardous Waste Combustors</b>	444
<b>Copper Forming</b>	468
<b>Electrical and Electronic Components</b>	469
<b>Electroplating (applies to existing facilities only)</b>	413
<b>Fertilizer Manufacturing</b>	418
<b>Glass Manufacturing</b>	426
<b>Ink Formulating Point Source Category</b>	447
<b>Inorganic Chemicals Manufacturing</b>	415
<b>Iron and Steel Manufacturing</b>	420
<b>Leather Tanning and Finishing</b>	425
<b>Metal Finishing - the most common category</b>	433
<b>Metal Molding and Casting</b>	464
<b>Nonferrous Metals Forming and Metal Powders</b>	471
<b>Nonferrous Metals Manufacturing</b>	421
<b>Organic Chemicals , Plastics, and Synthetic Fibers</b>	414
<b>Paint Formulating - new sources only</b>	446
<b>Paving and Roofing Materials (Tars and Asphalts) - new sources only</b>	443
<b>Pesticide Chemicals (formulating, packaging, and repackaging regulated)</b>	455
<b>Petroleum Refining</b>	419
<b>Pharmaceutical Manufacturing</b>	439
<b>Porcelain Enameling</b>	466
<b>Pulp, Paper, and Paperboard</b>	430
<b>Soap and Detergent Manufacturing</b>	417
<b>Steam Electric Power Generating</b>	423
<b>Timber Products Processing (only wood preserving is regulated)</b>	429
<b>Transportation Equipment Cleaning</b>	442

## ATTACHMENT 2

### PRIORITY POLLUTANTS

#### Metals

antimony	cadmium	lead	selenium
arsenic	chromium	mercury	silver
beryllium	copper	nickel	thallium
			zinc

#### Volatile Organic Compounds

acrolein	1,3-dichloropropylene
acrylonitrile	ethylbenzene
benzene	methylene chloride
carbontetrachloride	methyl bromide
chlorobenzene	bromoform
1,1-dichloroethane	dichlorodifluoromethane
1,2-dichloroethane	trichlorofluoromethane
1,1,1-trichloroethane	dichlorobromomethane
1,1,2-trichloroethane	chlorodibromomethane
1,1,2,2-tetrachloroethane	tetrachloroethylene
chloroethane	toluene
chloromethane	trichloroethylene
2-chloroethylvinyl ether	vinyl chloride
chloroform	bis (chloromethyl) ether
1,1-dichloroethylene	
1,2-trans-dichloroethylene	
1,2-dichloropropane	

#### Base-Neutral Extractable Organic Compounds

acenaphthene	nitrobenzene
benzidine	N-nitrosodimethylamine
1,2,4-trichlorobenzene	N-nitrosodiphenylamine
hexachlorobenzene	N-nitrosodi-n-propylamine
hexachloroethane	butyl benzyl phthalate
bis (2-chloroethyl) ether	di-n-butyl phthalate
2-chloronaphthalene	di-n-octyl phthalate
1,2-dichlorobenzene	diethyl phthalate
1,3-dichlorobenzene	dimethyl phthalate
1,4-dichlorobenzene	benzo(a)anthracene
3,3-dichlorobenzidine	benzo(a)pyrene
2,4-dinitrotoluene	3,4-benzofluoranthene
2,6-dinitrotoluene	benzo(k)fluoranthene
1,2-diphenylhydrazine	chrysene
fluoranthene	acenaphthylene
4-chlorophenyl phenyl ether	anthracene
4-bromophenyl phenyl ether	benzo(g,h,i)perylene
bis (2-chloroisopropyl) ether	fluorene
bis (2-chloroethoxy) methane	phenanthrene
hexachlorobutadiene	dibenzo(a,h)anthracene
hexachlorocyclopentadiene	ideno(1,2,3-cd)pyrene
isophorone	pyrene
naphthalene	bis (2-ethylhexyl)phthalate

## PRIORITY POLLUTANTS (cont'd)

### Acid Extractable Organic Compounds

2,4,6-trichlorophenol	4-nitrophenol
parachlorometa cresol	2,4-dinitrophenol
2-chlorophenol	4,6-dinitro-o-cresol
2-nitrophenol	2,4-dichlorophenol
pentachlorophenol	phenol
2,4-dimethyphenol	

### Pesticides and PCB's

aldrin	a-BHC
dieldrin	b-BHC
chlordan	q-BHC (Lindane)
4,4'-DDT	w-BHC
4,4'-DDE	PCB-1242
4,4'-DDD	PCB-1254
a-endosulfan	PCB-1221
b-endosulfan	PCB-1232
endosulfan sulfate	PCB-1248
endrin	PCB-1260
endrin aldehyde	PCB-1016
heptachlor	toxaphene
heptachlor epoxide	2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)
diazinon	
chlorpyrifos	

### Miscellaneous Pollutants of Potential Concern

Algicides  
Ammonia  
Cyanide  
Formaldehyde  
Hydrocarbons  
Pesticides  
Radioactivity  
Sodium  
Solvents  
Surfactants (MBAS)