

**CITY OF SUNNYVALE WATER POLLUTION
CONTROL PLANT WASTEWATER DISCHARGE PERMIT APPLICATION**

Type or print legibly. All questions **must** be answered or marked "not applicable." **Incomplete applications will be returned unprocessed.**

A wastewater discharge permit application must be completed and a permit issued **prior to** any industrial discharge. It is the responsibility of the discharger to obtain and submit a new wastewater discharge permit application each year in order to renew the permit.

PART A - BUSINESS IDENTIFICATION

A1. Business Name: _____

A2. Street address of premise discharging wastewater:

A3. Contacts:

a. Executive officer responsible for this facility (must be at least vice president, general partner, proprietor or authorized representative):

Name: _____ Title: _____

Mailing address: _____

b. Principal Contact Person (Person to whom correspondence/calls will be directed):

Name: _____ Title: _____ Phone: _____

Mailing Address: _____ Email: _____

c. On-Site Contact (if different): Email _____

Name: _____ Title: _____ Phone: _____

d. Alternate On-Site Contact: Email _____

Name: _____ Title: _____ Phone: _____

e. Person to be contacted in case of emergency:

Name: _____ Title: _____

Day Phone: _____ Night Phone: _____

A4. Building Owner Name: _____

Mailing Address: _____

A5. Certification (**must be signed by person listed in A3.a above**)

I certify that the information contained in this application is true and correct to the best of my knowledge.

Name (print): _____ Title: _____

Signature: _____ Date: _____

PART B - GENERAL FACILITY DESCRIPTION

B1. a. Principal Business Activity/Product(s)/Service(s) at this Facility: _____
 _____ SIC Code: _____

b. Industrial Wastewater Generating Activity(s) (if different than above): _____
 _____ SIC Code: _____

B2. Average Production Rate: _____

B3. Facility Hours - Weekdays: Day: _____ Swing: _____ Grave: _____

Facility Hours - Weekends: Day: _____ Swing: _____ Grave: _____

Days of Operation (circle): M T W Th F S Su

If irregular, explain: _____

B4. Number of Employees at Facility:
 Day: _____ Swing: _____ Grave: _____ Total: _____

B5. Number and list all **process wastewater**-generating activities in the table below and on Table F1.
Process wastewater means any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, by-product, or waste product. This may include, but not limited to, manufacturing wastewater of semiconductors, printed circuit boards, plating operations, chemical mixing or formulating, pharmaceutical, metal finishing, photoprocessing, equipment cleaning or rinsing, scrubbers, contact cooling water, laboratory, RO reject, DI backwash, steam cleaning, wet paint booths, etc. Wastewater generating activities with multiple processes should be subdivided. Each of these processes will require a flow diagram as defined in Part D. Please exclude **non-process wastewater** such as sanitary, non-contact cooling water, boiler blowdown, stormwater, firewater, and any other diluting waters.

Description	Usual Hours of Activity	Usual Days/ Frequency of Activity
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		

PART C - BUILDING AND PLUMBING LAYOUT

The Building and Plumbing Layout shows the wastewater generating operations which contribute to each building sewer. This layout will also enable the City and the applicant to select suitable sampling locations for determining and verifying wastewater strength.

Attach as many pages as necessary, or attach suitable plans to clearly show the location of the following facility features:

Industrial process areas (show location of all wastewater generating activities listed in B5. by number)

All building sewer lines (number each line leaving the building)

Pretreatment systems(s)

Chemical storage areas

Industrial wastewater sampling location - Sanitary and or combined industrial/sanitary sampling location(s)

Meter location(s)

Storm drains

Drawings or plans must be neat, legible, and clearly labeled. If any required features are not included, provide an explanation.

PART D - FLOW DIAGRAM(S)

The flow diagram will illustrate the generation and flow pattern of all water and wastewater through the facility. You must submit a flow diagram showing the overall flow of water wastewater in the facility. Each activity listed in Part B5 of this application must be shown (sample attached). For each process listed in Part B5 you must also submit a separate process flow diagram (sample attached).

SEE EXAMPLE ON NEXT PAGE

PART E - PRETREATMENT AND WASTE MINIMIZATION PROCEDURES (continued)

E4. Sketch or include plan of the layout of the pretreatment systems(s) noted in E1 and E2 showing: tanks (indicate size), chemical feed points, mixers, and sampling structure location.

System manufacturer or design engineer: _____

Design flow: _____ Actual flow: _____

PART F - FLOW VERIFICATION/WATER AUDIT

F1. Water Use - Average Daily Quantities: Complete the table below using the daily average quantity in gallons per work day. Under "Process" **list all discharges shown in Part B5 by number.**

Water Used for:	Gallons/day supplied from:			Gallons/day discharged to:				Check type of measurement and list how determined:		
	City Supply	Well	Other ¹	Direct to Sewer	Pretreat to sewer	Other	*	Direct	In - direct	Measurements determined by:
Sanitary										
Irrigation										
In product										
Boiler										
Non-contact cooling water										
Process (from Part B5)										
1.										
2.										
3.										
4.										
5.										
6.										
7.										
8.										
9.										
10.										
TOTALS										

¹Other water sources - describe: _____

*Other discharges - use appropriate code: (a) storm drain/channel; (b) waste hauler; (c) evaporation; (d) used in product; (e) reclaimed water;

(f) irrigation; (g)other (describe): _____

PART F - FLOW VERIFICATION/WATER AUDIT (continued)

- F2. List all water account numbers for your facility: _____

- F3. The **maximum** daily water use for your facility in gallons/day: _____
Determined by: water billings meter readings other
- F4. The **average** daily water use for your facility in gallons per work day (1 ccf = 748 gallons): _____
Determined by: water billings (use 13 mo. avg.) meter readings other
If determined by water billings, list which months used: _____
- F5. Projected significant water use changes for the coming year are:
 none increase decrease
process water changes: gallons/day _____ estimated date: _____
other water use changes: type of change _____
amount in gallons/day: _____ estimated date: _____
- F6. **Attach a copy** of your meter readings and meter calibration logs for all flow/water meters within your facility (other than the City-maintained meters) for the past 12 months.

PART G - WASTEWATER CHEMICAL CHARACTERISTICS

G1. Indicate whether any of the following substances may be present at this facility. Check **Column A** if it comes into contact with water and may be present in the wastewater. Check **Column B** if it is present on site but in a location or process where no entry to the wastewater should occur.

a. Priority Pollutants

A B

Volatiles

- Acrolein
- Acrylonitrile
- Benzene
- Carbon tetrachloride
- Chlorobenzene
- 1,2-dichloroethane
- 1,1,1-trichloroethane (TCA)
- 1,1-dichloroethane
- 1,1,2-trichloroethane
- 1,1,2,2-tetrachloroethane
- Chloroethane
- 2-chloroethylvinyl ether
- Chloroform
- 1,1-dichloroethylene
- 1,2-trans-dichloroethylene
- 1,2-dichloropropane
- 1,3-dichloropropylene
- Ethylbenzene
- Methylene chloride
- Methyl chloride
- Methyl bromide
- Bromoform
- Dichlorobromomethane
- Chlorodibromomethane
- Tetrachloroethylene (PCE)
- Toluene
- Trichloroethylene (TCE)
- Vinyl chloride

Semi-Volatiles

- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzidine
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(k)fluoranthene
- Benzo(ghi)perylene
- 3,4-benzofluoranthene
- Bis (2-chloroethyl) ether
- Bis (2-chlorisopropyl) ether
- Bis (2-chloroethoxy) methane
- Bis (2-ethylhexyl) phthalate
- Butyl benzyl phthalate

A B

Semi-Volatiles (cont.)

- 2-chloronaphthalene
- 2-chlorophenol ether
- 4-chlorophenyl phenyl
- Chrysene
- Dibenzo(a,h)anthracene
- 1,2-dichlorobenzene
- 1,3-dichlorobenzene
- 1,4-dichlorobenzene
- 3,3-dichlorobenzidine
- 2,4-dichlorophenol
- Diethyl phthalate
- 2,4-dimethylphenol
- Dimethyl phthalate
- Di-n-octyl phthalate
- Di-n-butyl phthalate
- 2,4-dinitrophenol
- 4,6-dinitro-o-cresol
- 1,2-diphenylhydrazine
- 2,4-dinitrotoluene
- Fluoranthene
- Fluorene
- Hexachlorobenzene
- Hexachloroethane
- Hexachlorobutadiene
- Hexachlorocyclopentadiene
- Indeno(1,2,3-cd)pyrene
- Isophorone
- Naphthalene
- Nitrobenzene
- 2-nitrophenol
- 4-nitrophenol
- N-nitrosodimethylamine
- N-nitrosodiphenylamine
- N-nitrosodi-n-propylamine
- Parachlorometacresol
- Pentachlorophenol
- Phenanthrene
- Phenol
- Pyrene
- 1,2,4-trichlorobenzene
- 2,4,6-trichlorophenol
- 4-bromophenyl phenyl ether

A B

Pesticides & PCB's

- Aldrin
- Dieldrin
- Chlordane
- 4,4'DDT
- 4,4'-DDE (p,p'DDX)
- 4,4'-DDD (p,p'TDE)
- Alpha-endosulfan
- Beta-endosulfan
- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Heptachlor
- Heptachlor epoxide
- Alpha-BHC
- Beta-BHC
- Gamma-BHC (Lindane)
- Delta-BHC
- PCB-1242 (Aroclor 1242)
- PCB-1254 (Aroclor 1254)
- PCB-1221 (Aroclor 1221)
- PCB-1232 (Aroclor 1232)
- PCB-1248 (Aroclor 1248)
- PCB-1260 (Aroclor 1260)
- PCB-1016 (Aroclor 1016)
- 2,3,7,8-tetrachlorodibenzo-p-dioxin
- Toxaphene

Metals & Miscellaneous

- Antimony
- Arsenic
- Asbestos
- Beryllium
- Cadmium
- Chromium
- Copper
- Cyanide
- Lead
- Mercury
- Nickel
- Silver
- Thallium
- Zinc

PART H - ENVIRONMENTAL PERMITS

- H1. If you have a waste treatment system:
- Have you applied for a treatment facility permit from the California Department of Health Services?
 yes no
 - If yes, did you receive: permit waiver action pending rejection
 - What is your permit number? _____
- H2. Do you store waste chemicals more than 90 days? yes no
- If yes, have you applied for a hazardous material storage permit from the California Department of Health Services? yes no
 - If yes, did you receive: permit waiver action pending rejection
 - What is your permit number? _____
- H3. Do you have any discharge to storm drains or channels other than rain water and irrigation?
 yes no
- If yes, have you applied for an NPDES permit from the California Regional Water Quality Control Board?
 yes no
 - If yes, did you receive: permit waiver action pending rejection
 - What is your permit number? _____
- H4. Is there any discharge of storm water associated with the processes of your industrial facility (i.e. equipment pad area, roof vents, secondary containment)?
 yes no
- If yes, verify discharge of the stormwater.
 sanitary sewer treatment system storm drain collection system
- H5. Have you filed an NOI for coverage under the NPDES general stormwater permit with the California Regional Water Quality Control Board.
 yes no
- H6. Do you have a Stormwater Pollution Prevention Plan and/or Stormwater Management Plan on file?
 yes no
- H7. Have you applied for a Hazardous Materials Storage Permit from the City of Sunnyvale Fire Prevention Department? yes no
- If yes, did you receive: permit waiver action pending rejection
 - What is your permit number?
- H7. Do you have an EPA identification number? yes no
- If yes, what is your number(s)? _____
- H8. List any other environmental permits held by this facility: _____
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PART I - FEDERAL PRETREATMENT STANDARDS

The following industry activities are subject to Federal Pretreatment standards. For any activity which is conducted at your facility, check the box which describes this facility's compliance status. If you are uncertain whether your facility is regulated under any of these categories, contact the Industrial Pretreatment Program.

Industrial Process	In Compliance	Not In Compliance	Compliance Unknown
Aluminum Forming: rolling, extrusion, forging, drawing			
Battery Manufacturing			
Coal Mining			
Coil Coating: processes involved in converting a coil of strip metal into a coil of painted metal; canmaking			
Copper Forming: rolling, extrusion, drawing, forging used to form copper or copper alloys			
Electrical/Electronic Components: mfg. of semiconductor, cathode ray tube, luminescent materials, electronic crystals			
Electroplating: more than 50% of work is job shop electroplating, anodizing, conversion coating, electroless plating, chemical etching and milling, printed circuit boards			
Inorganic Chemicals			
Iron & Steel Manufacturing			
Leather Tanning & Finishing			
Metal Finishing: more than 50% of work is for own product electroplating, anodizing, conversion coating, electroless plating, chemical etching and milling, printed circuit boards			
Metal Molding & Casting			
Nonferrous Metals Forming			
Nonferrous Metals Mfg: processing ore or scrap metals from solutions and other sources			
Ore Mining			
Organic Chemicals, Plastics, & Synthetic Fibers: manufacturing			
Pesticides: manufacturing, formulating, packaging			
Petroleum Refining			
Pharmaceuticals: fermentation, extraction, chemical synthesis, compounding, mixing, formulating, research			

PART I - FEDERAL PRETREATMENT STANDARDS (continued)

Plastics Molding & Forming: molding, extrusion, coating, laminating, calendaring, thermoforming, casting, forming, cleaning, assembling			
Porcelain Enameling: preparation of a metal surface and application of a porcelain or fused silicate coating			
Pulp & Paper: manufacture of pulp, paper, or paperboard including secondary fiber mills			
Steam-Electric Power Generating			
Textile Mills			
Timber			

