

**SUNNYVALE WATER POLLUTION CONTROL PLANT
WASTEWATER DISCHARGE PERMIT No. (Industry #)**

ISSUED TO:

EFFECTIVE DATE:

EXPIRATION DATE:

DISCHARGE ADDRESS:

CATEGORY:

SUBCATEGORY:

Pretreatment Standards for New Sources
(PSNS)

This Permit is issued under authority established in the Sunnyvale Municipal Code (SMC), Section 12.12.180, "Wastewater discharge permit requirement". The holders of any Permit issued hereunder shall be subject at all times to all applicable Federal, State, and Local laws and regulations, as amended from time to time.

All spills, upsets, and / or accidental discharge events into the storm or sanitary sewer must be immediately reported to the Sunnyvale Water Pollution Control Plant (WPCP) at (408) 730-7260. In the event of an emergency, contact the Sunnyvale Public Safety Department at (408) 730-7100, or by calling 911.

(Inspector's Name)

Environmental Compliance Inspector

LOCAL LIMITS FOR WASTEWATER - SMC 12.12.120

Table 1 – Local Limits for Wastewater. The following Local Discharge Limitations apply to sample point: *(List sample point)*

Pollutant	Maximum Concentration Allowable ¹ mg/l	Routine Monitoring ²	Pollutant	Maximum Concentration Allowable ¹ mg/l	Routine Monitoring ²
Antimony	1.0	-	Zinc	1.48	-
Arsenic	0.3	-	Cyanides ³	0.5	-
Barium	1.0	-	Chlorinated Hydrocarbons ⁴	0.02	-
Beryllium	0.5	-	Phenols ⁵	1.0	-
Cadmium	0.1	-	pH, Std. Units	6.0-10.5	-
Chromium	1.7	-	Cresols ⁶	2.0	-
Cobalt	1.0	-	Total Toxic Organics ⁷	1.0	-
Lead	0.5	-			
Mercury	0.01	-	Fats, Oils and Grease (total)	300	-
Silver	0.2	-	Fluoride ⁸	180	
Selenium	1.0	-			
Pollutant	Maximum Concentration Grab Sample mg/l		Pollutant	Maximum Concentration Composite Sample mg/l	
Copper	0.7	-	Copper	0.5	-
Nickel	0.5	-	Nickel	0.25	-

¹ Applicable to samples collected as either grab or composite. All concentrations for metallic substances are for total metal.

² Local Limits routinely sampled by the City are identified by an "X" and are based on what is known or believed to be present in the discharge. Compliance with all Local Limits is required; any compound or element may be sampled for at any time, including those not identified for routine monitoring. The City will perform compliance monitoring per 40 CFR 403.12(g). The City maintains a facility Monitoring Plan that specifies sample type, locations, and frequency as well as other pertinent sampling information.

³ Parameter analyzed by test methods allowed in 40 CFR 136, Table 1B and defined as "Cyanide – Total."

⁴ Group of priority pollutant compounds reported in EPA 608 analysis (Chlorinated Pesticides and PCBs). These include Aldrin, alpha-BHC, beta-BHC, delta-BHC, gamma-BHC (Lindane), Chlordane, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Endrin ketone, Heptachlor, Heptachlor epoxide, Methoxychlor, PCB 1016, PCB 1221, PCB 1232, PCB 1242, PCB 1248, PCB 1254, PCB 1260, and Toxaphene.

⁵ Phenols as defined by test procedures in 40 CFR 136.

⁶ Sum of the three monomers with molecular formula C₇H₈O (o-cresol, m-cresol, and p-cresol).

⁷ Total Toxic Organics (TTO), as defined under 40 CFR 413.02(i), but excluding phenolic compounds. Compliance with the TTO limit is verified by monitoring, if deemed necessary by the Director, by analyzing only for those pollutants that the Director has determined may reasonably expected to be present (SMC 12.12.120 (d)).

⁸ SMC 12.12.020 (n) - Prohibitions on Discharges, Hazardous waste(s). Fluoride defined as Hazardous Waste per California Code of Regulations, Title 22 Section 66261.24(a)(2)(A)

FEDERAL CATEGORICAL DISCHARGE LIMITATIONS**Table 2 – Federal Limits for Wastewater*****(List Applicable Federal Category / Subcategory / PSES/ PSNS)***

The following Federal Discharge Limitations apply to samples collected at sample point:

(List sample point)

Pollutant	Federal Daily Maximum mg/l	Federal Monthly Average mg/l	Federal 4-Day Average mg/l
Arsenic	-	-	-
Cadmium	-	-	-
Chromium	-	-	-
Copper	-	-	-
Cyanide	-	-	-
Lead	-	-	-
Nickel	-	-	-
Silver	-	-	-
Zinc	-	-	-
TTO1	-	-	-

The City samples a minimum of twice per year, and performs the sampling and analysis in accordance with 40 CFR 403.12(g), in lieu of the Industrial User, except where certification in lieu of monitoring occurs in accordance with the Federal Category listed above. The City maintains a facility Monitoring Plan that specifies sample type, locations, and frequency as well as other pertinent sampling information.

Effluent limitations promulgated as categorical standards in 40 CFR Chapter 1, Subchapter N and 40 CFR 403.6, shall apply in any instance where they are more stringent than those in SMC 12.12.120. (SMC 12.12.120 (e)).

¹Total Toxic Organics, as defined under the federal category listed above.

SELF-MONITORING REQUIREMENTS**Table 3 – Self-Monitoring Requirements**The following shall be monitored at sample point: **(List sample point)**

Parameter	Monitoring Requirements	Recordkeeping / Reporting Requirements ¹
pH	<ol style="list-style-type: none"> The pH of the discharge is to be monitored on a continuous basis using a recording pH meter with high and low pH alarms, and with discharge shutdown provisions in case of excursions. The pH of the treatment system effluent shall be maintained in the range of 6.0 – 10.5. The pH chart or any other measured parameter shall be of appropriate scale and markings to readily ascertain all recorded values. All measured parameters (pH, flow, etc.) shall be readily distinguishable from each other. The pH probes must be calibrated weekly or per manufacturer's specifications. 	<ol style="list-style-type: none"> The pH chart shall be checked daily to verify compliance. The pH recording meter must be signed, dated, and time noted daily. Any excursions must be reported per the General Requirements of this permit.
Process Discharge Flow	<ol style="list-style-type: none"> The flow volume of wastewater discharged from the treatment system, or process water used, is to be monitored on a continuous basis using a recording flow totalizer. The flow monitoring device must be kept in working order at all times. The device must be calibrated as often as necessary to maintain the accuracy of the readings. 	<ol style="list-style-type: none"> Once each month the total volume of wastewater discharged or process water used must be recorded. The average process wastewater discharge rate is listed in the wastewater discharge permit application as _____ GPD. Anticipated permanent increases or decreases of 25% or more must be reported in accordance with the General Requirements section of this permit. Notification must be submitted in writing and approved prior to implementation.

¹ A bound log book, computer record, or other approved record shall be properly maintained with all monitoring data required above, including calibration records. These records must be maintained per the "Maintenance of Monitoring Records" section of this permit, and made available to City of Sunnyvale personnel upon request.

SPECIFIC REPORTING REQUIREMENTS

1.	In order to renew this Permit, a new Wastewater Discharge Permit Application must be submitted by (list date) . The City will make every attempt to notify you 30 calendar days prior to this due date. However, it is ultimately the responsibility of the Permittee to submit the application.
2.	Submit a Zero Discharge Certification Statement on a semiannual basis by March 31st and September 30th of every year.
3.	Submit the appropriate Total Toxic Organic Management Certification Statement and / or an updated Toxic Organic Management Plan (TOMP) as required by 40 CFR 433.12 . The Certification Statement and / or updated TOMP must be submitted on or by March 31st and September 30th of every year.
4.	Submit the appropriate Solvent Management Certification Statement and / or an updated Solvent Management Plan (SMP) as required by 40 CFR 469.13 . The Certification Statement and / or updated SMP must be submitted on or by March 31st and September 30th of every year.
5.	Prepare a Slug/Spill Control Plan as required by 40 CFR 403.8(f)(2)(vi) and as required by the Director.
6.	Submit Annual rainwater discharge volume by June 15 th of every year.
7.	Notify the Regulatory Programs Division prior to each batch discharge of treated wastewater to the sanitary sewer. Discharge is allowed after appropriate sampling of the treated wastewater by Sunnyvale Sample Technicians (Ph: 408-730-7725).

Reports shall be submitted to the following address on or before the due date.

City of Sunnyvale - Environmental Services Department

Compliance Inspection Group (WPCP)

1444 Borregas Ave.

P.O. Box 3707

Sunnyvale, CA 94088-3707

GENERAL REQUIREMENTS:

1) Permit and Application –

- a) Change of Conditions** - Each user must notify the Director of any significant changes to the user's operations or system which might alter the nature, quality, or quantity of the discharge at least 30 (calendar) days before the change, or upon change in ownership of the property served, business ownership, activity or process (SMC 12.12.190).

For purposes of this requirement, significant changes include, but are not limited to, significant flow increases or decreases of 25% or more, modification of a pretreatment system, bypass of any portion of the pretreatment, installation or removal of process tanks or equipment, and the discharge of any previously unreported pollutants.

- b) No Transfer of a Permit** - Wastewater discharge permits are issued to a specific user for a specific operation. A wastewater discharge permit shall not be reassigned, transferred, or sold to a new owner, new user, different premises, or a new or changed operation (SMC 12.12.230).
- c) Change of Ownership** - If at any time the facility for which a permit is issued is sold to another party, the new users shall apply for a wastewater discharge permit within 30 working days of taking possession of the facility. The conditions of the existing permit shall prevail until the Director issues a valid permit (SMC 12.12.235).
- d) Renewal of Wastewater Discharge Permit** - Wastewater discharge permits must be renewed by the user upon expiration unless extended by the Director for a period not to exceed 90 (calendar) days. A wastewater discharge permit application must be submitted at least 60 (calendar) days prior to expiration of the existing permit. The Director may require a facility inspection and submittal of a new Application. After evaluation and approval, the Director may issue a new wastewater discharge permit (SMC 12.12.220).

2) Slug Discharge Requirements

a) Slug Load or Discharge

"Slug Load" or "Slug Discharge" means any discharge at a flow rate or concentration, which could cause a violation of the prohibited discharge standards in SMC 12.12.020. A slug discharge is any discharge of a nonroutine, episodic nature, including but not limited to an accidental spill or a noncustomary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, Local Limits or permit conditions (SMC 12.04.030(52)).

b) Reports of Potential Problems –

- i)** In the case of any discharge, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, a slug discharge or a slug load, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, Local Limits or permit conditions, the user shall immediately contact and notify the Director of the incident. This notification shall include the location of the discharge, type of waste, concentration and volume, if known, and corrective actions taken by the user.
- ii)** Within five (working) days following such discharge, the user shall, unless waived by the Director, submit a detailed written report describing the cause(s) of the discharge and the measures to be taken by the user to prevent similar future occurrences. Such notification shall not relieve the user of any expense, loss, damage, or other liability which might be incurred as a result of damage to the

POTW, natural resources, or any other damage to person or property; nor shall such notification relieve the user of any fines, penalties, or other liability which may be imposed pursuant to SMC or this permit.

- iii) A notice shall be permanently posted on the user's bulletin board or other prominent place advising employees who to contact in the event of a discharge described in paragraph (a) above. Employers shall ensure that all employees who could cause such a discharge to occur are advised of the emergency notification procedure.
- iv) Significant Industrial Users are required to notify the Director immediately of any changes at its facility affecting the potential for a slug discharge (SMC 12.12.300).

3) Monitoring

a) **Measurement of Pollutants** - All pollutant analyses, including sampling techniques, to be submitted as part of a wastewater discharge permit application or any report required by this ordinance shall be:

- i) performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto, unless otherwise specified in an applicable categorical Pretreatment Standard. If 40 CFR Part 136 does not contain sampling or analytical techniques for the pollutant in question, or where the EPA determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analyses shall be performed by using validated analytical methods or any other applicable sampling and analytical procedures, including procedures suggested by the Director or other parties, approved by EPA.
- ii) analyzed by a laboratory that is accredited by the California Department of Public Health, Environmental Laboratory Accreditation Program for the pollutants being tested, or another laboratory as approved by the Director (SMC 12.12.254).

b) **Additional Monitoring Reporting Requirement** – If a user monitors any regulated pollutant at the appropriate sampling location (as defined in this permit, Local or Federal Limits for Wastewater) more frequently than required by the Director, using the procedures prescribed in Section 3a of this Permit, the results of this monitoring shall be submitted within 30 (calendar) days of receiving the sample results (SMC 12.12.150).

c) **Violation Reporting** - If sampling performed by a user indicates a violation, the user must notify the Director within twenty-four (24) hours of becoming aware of the violation. The user shall also repeat the sampling and analysis of the process wastewater at the same point of discharge and submit the results of the repeat analysis to the Director within 30 (calendar) days after becoming aware of the violation (SMC 12.12.155).

d) **Maintenance of Monitoring Records** Users subject to the reporting requirements of this permit or SMC 12.12.150 shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required, any additional records of information obtained pursuant to monitoring activities undertaken by the user independent of such requirements, and documentation associated with Best Management Practices established under SMC 12.12.120(b). Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation

concerning the user or the City, or where the user has been specifically notified of a longer retention period by the Director (SMC 12.12.330).

PROHIBITIONS ON DISCHARGES - (SMC 12.12.020)

- 1) General Prohibitions. No user shall introduce or cause to be introduced into the POTW any pollutant or wastewater which causes pass through or interference. These general prohibitions apply to all users of the POTW whether or not they are subject to categorical Pretreatment Standards or any other National, State, or local Pretreatment Standards or Requirements.
- 2) Specific Prohibitions. No user shall introduce or cause to be introduced into the POTW the following:
 - a) Pollutants which create a fire or explosive hazard in the POTW, including, but not limited to, wastestreams with a closed cup flashpoint of less than 140 degrees F (60 degrees C) using the test methods specified in 40 CFR 261.21;
 - b) Wastewater having a pH less than 6.0 (pH 5.0 minimum- 40 CFR 403.5(b)(2) – Specific Prohibitions) or greater than 10.5, or otherwise causing corrosive structural damage to the POTW;
 - c) Solid or viscous substances in amounts which will cause obstruction of the flow in the POTW resulting in interference with the POTW;
 - d) Noxious or malodorous liquids, gases, solids, or other wastewater which, either singly or by interaction with other wastes, are sufficient to create a public nuisance or a hazard to life, or to prevent entry into the sewers for maintenance or repair;
 - e) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
 - f) Wastewater which imparts color which cannot be removed by the treatment process, which can consequently impart color to the treatment plant's effluent, thereby violating the City's NPDES permit;
 - g) Trucked or hauled pollutants, except at discharge points designated by the Director in accordance with SMC 12.12.110;
 - h) Pollutants, including oxygen demanding pollutants (BOD, etc.), released in a discharge at a flow rate and/or pollutant concentration which, either singly or by interaction with other pollutants, will cause interference with the POTW;
 - i) Wastewater having a temperature greater than 140 degrees F (60 degrees C), or which will inhibit biological activity in the treatment plant resulting in interference, but in no case wastewater which causes the temperature at the introduction into the wastewater treatment plant to exceed 104 degrees F (40 degrees C);
 - j) Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin, in amounts that will cause interference or pass through;
 - k) Sludges, screenings, or other residues from the pretreatment of industrial wastes;
 - l) Medical wastes, except as specifically authorized by the Director in an individual wastewater discharge permit;
 - m) Wastewater containing any radioactive wastes or isotopes except in compliance with applicable State or Federal regulations;
 - n) Hazardous waste(s) as defined in SMC 8.16.020.
- 3) Any discharge to the storm drain system not composed entirely of storm water is prohibited, except as set forth in SMC 12.60.070.

- 4) Stormwater, groundwater, rainwater, street drainage, subsurface drainage or yard drainage shall not be discharged through direct or indirect connections to a sanitary sewer unless granted written approval by the Director. The Director may approve the discharge of such water only when no reasonable alternative method of disposal of such water is available. If approval is granted for the discharge of such water into a sanitary sewer, the user shall pay the applicable user charges and fees and meet such other conditions as may be required by the City (SMC 12.12.050).
 - a) Discharges of stormwater to the sanitary sewer are approved if the volume of stormwater is documented and submitted annually so that charges can be applied as needed.
- 5) No user shall ever increase the use of process water, or in any way attempt to dilute a discharge, as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable pretreatment standard or requirement. The Director may impose mass limitations on users who are using dilution to meet applicable Pretreatment Standards or Requirements or in other cases when the imposition of mass limitations is appropriate (SMC 12.12.060).

APPLICABLE PENALTIES

- 1) SMC 12.18.090 and 12.18.100 - Civil Penalties that may be imposed pursuant to Government Code Section 54740 and 54740.5 are as follows:
 - a) An amount not to exceed two thousand dollars for each day for failing or refusing to furnish technical or monitoring reports.
 - b) An amount not to exceed three thousand dollars for each day for failing or refusing to timely comply with any compliance schedule established by the City.
 - c) An amount not to exceed five thousand dollars per violation for each day of violation for discharges in violation of any waste discharge limitation, Permit condition, or requirement issued, reissued or adopted by the City.
 - d) An amount not to exceed ten dollars per gallon for discharges in violation of any suspension, cease and desist order or other orders, or prohibition issued, reissued or adopted by the City.
 - e) The amount of civil penalties imposed under this section, which have remained delinquent for a period of sixty (calendar) days shall constitute a lien against the real property of the discharger from which the violation occurred resulting in imposition of the penalty. The Director shall cause the amount of uncollected penalty to be recorded with the county recorder, in accordance with section 54740.5 of the California Government Code.
 - f) Any person who intentionally or negligently violates any provision of SMC 12.04 through 12.18 or any provision of any Permit shall be civilly liable to the City in a sum of not to exceed twenty-five thousand dollars per day for each day in which such violation occurs.
- 2) Criminal Penalty. Any person who intentionally violates the Sunnyvale Municipal Code is guilty of a misdemeanor and may be subject to criminal penalties of not more than \$1,000 per violation per day or imprisonment in the county jail not exceeding 6 months. Permittee may also be subject to civil or criminal sanctions under state or federal law.

SIGNATORY REQUIREMENTS

SMC 12.12.310 Certification Statements.

- 1) Certification of Permit Applications and User Reports—The following certification statement is required to be signed and submitted by users submitting permit applications in accordance with

SMC Section 12.12.165; users submitting baseline monitoring reports under SMC 12.12.150(a)(5); users submitting reports on compliance with the categorical Pretreatment Standard deadlines under SMC 12.12.150(c); users submitting periodic compliance reports required by SMC 12.12.150(d)(1)-(4), or users submitting reports required by this permit. The following certification statement must be signed by an Authorized Representative as defined in paragraph 3) below:

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.

- 2) Reports shall be signed by an "Authorized" or "duly authorized" representative of the user, which means:
 - a) If the user is a corporation:
 - i) The president, secretary, treasurer, or a vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation; or
 - ii) The manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that 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 measures to assure long term environmental compliance with environmental laws and regulations; can ensure that the necessary systems are established or actions taken to gather complete and accurate information for individual wastewater discharge permit requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - b) If the user is a partnership or sole proprietorship: a general partner or proprietor, respectively.
 - c) If the user is a Federal, State, or local governmental facility: a Director or highest official appointed or designated to oversee the operation and performance of the activities of the government facility, or their designee.
 - d) The individuals described in paragraphs (a) through (c), above, may designate a Duly Authorized Representative if the authorization is in writing, the authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for environmental matters for the company, and the written authorization is submitted to the City (SMC 12.04.030 (1)).

CITY OF SUNNYVALE WATER POLLUTION CONTROL PLANT WASTEWATER DISCHARGE PERMIT APPLICATION

A Wastewater Discharge Permit Application (WDPA) must be completed to assist in determining or verifying that a facility is a Significant Industrial User (SIU) or another type of wastewater generator. For new facilities no industrial discharge can occur until this determination is made and a Wastewater Discharge Permit ("Permit") is issued, which may take up to 60 days after the WDPA is submitted. Facilities currently discharging and being regulated with a Permit are responsible for obtaining and submitting a new WDPA for a Permit renewal at least sixty days prior to expiration of the existing Permit.

*Ensure that all information is legible and complete. All parts of the WDPA **must** be answered or marked "not applicable." **Incomplete WDPAs will be returned unprocessed.***

PART A - BUSINESS IDENTIFICATION

A1. Business name: _____

A2. Street address of facility discharging wastewater:

A3. Contacts:

- (a) Executive officer responsible for this facility (Must be at least vice president, general partner, proprietor or authorized representative as defined by Sunnyvale Municipal Code 12.04.030(1)):

Name: _____ Title: _____

Mailing address: _____

Telephone: _____ Email: _____

Fax: _____

- (b) Principal contact person (Person to whom correspondence/calls will be directed):

Name: _____ Title: _____

Mailing address: _____

Telephone(s): office: _____ Cell: _____

Email: _____

Fax: _____

- (c) On-site contact (If different from the principal contact person):

Name: _____ Title: _____

Mailing address: _____

Telephone(s): office: _____ Cell: _____

Email: _____

Fax: _____

(d) Alternate on-site contact:

Name: _____ Title: _____

Mailing address: _____

Telephone(s): office: _____ Cell: _____

Email: _____

Fax: _____

(e) Person to be contacted in case of emergency:

Name: _____ Title: _____

Mailing address: _____

Telephone(s): office: _____ Cell: _____

Email: _____

Fax: _____

A4. Building Owner Name: _____

Mailing Address: _____

Phone: _____ Email: _____

Fax: _____

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

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.

Name (print): _____ Title: _____

Signature: _____ Date: _____

PART B - GENERAL FACILITY DESCRIPTION

B1. Purpose – The General Facility Description is used to determine what substances may enter into the wastewater discharge from the business activity.

(a) Principal Business Activity – Complete a separate Part B for each major business activity occurring on the premises.

Activity: _____

SIC

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NIACS

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List types of products or services:

Average production rate:

Number of completed components: _____ / per particular time frame _____

Website providing activity/product(s)/service(s) information at this facility:

(b) Description – Describe process wastewater generating activities. 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, photo processing, equipment cleaning or rinsing, scrubbers, contact cooling water, laboratory, steam cleaning, wet paint booths, etc. (use additional sheets if necessary)

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

- (c) List other activities that use or generate water that are considered “non-process”. Non-process water use and wastewater generating activities are not directly associated with the manufacturing of a product and may include sanitary, irrigation, DI backwash, RO reject, boilers, cooling towers, non-contact cooling water, or other uses or activities.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

- (d) Substances proposed to be discharged – Give common and technical names of any materials or product proposed to be discharged to the sanitary sewer. Briefly describe the physical and chemical properties of each material and product.

Name(s)	Description

- (e) Other liquid wastes – List the type and volume of liquid waste removed from the premises by means other than sanitary sewer, and its final disposition (reclaimed, recycled, trash, hazardous disposal)

Description	Volume (gal / mo)	Removed By	Disposition

- (f) Are research and development or any other similar non-manufacturing activities that generate or create wastewater, such as prototype development, testing, failure analysis, etc., occurring at this facility? ____ Yes ____ No
If yes, describe:

- (g) Are component manufacturing, assembly, or packaging activities occurring at this facility?
____ Yes ____ No
If yes, describe:

B2. Discharge times:

(a) Facility hours - Weekdays: Day: _____ Swing: _____ Grave: _____

(b) Facility hours - Weekends: Day: _____ Swing: _____ Grave: _____

(c) Wastewater discharge occurs daily from _____ to _____

(d) Wastewater discharge is: ☐ continuous ☐ intermittent

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

(f) Variation of operation – Is business activity continuous or seasonal? _____

(g) Circle the months of the year when discharges occur: **J F M A M J J A S O N D**

B3. Number of Employees at Facility:

Day: _____ Swing: _____ Grave: _____ Total: _____

PART C FACILITY PROCESSES AND WATER USE

- C1. Purpose – The “Water Use and Disposition” information will enable the City to assess the volumes and sources of wastewater discharged to the sanitary sewer, and how the flow rates were determined. Table C documents water used and wastewater discharged based on daily averages. An example of a completed table is provided for guidance.
- C2. Instructions for completing Table C are below. Table C is divided into three sections.
- Section A lists all areas where water is used, including both process and non-process daily average use rates, as well as water source information.
 - Section B documents where that water is discharged to or disposed of.
 - Section C documents the type of measurements used to determine quantities listed in sections A and B.
- (a) Section A - In order to accurately complete Table C, you must determine the total average daily usage of water supplied to your facility. Water use is typically determined by applying the amounts supplied from City water account billings. Water account types are identified in the Water Service portion of the City utility bill as Domestic, Landscape or Fire Line. The Water Account Information Table below is to determine water use information from City supplied water accounts. Numbers 1 – 3 below describe how to complete the Water Account Information Table, prior to completing Table C.
1. List the water account numbers for every account type servicing the address on Part A2. of this Application:
Note: If you have separate fire line or landscape water accounts, do not include them in the Water Account Information Table or Table C. If irrigation is included in your water service account and not separated with an individual meter, estimate the gallons per day used and enter into Table C as “irrigation”, under the non-process heading.
 2. Determine the average daily usage in gallons per day for each account. The average daily usage of water supplied is determined by the total volume consumed, divided by the number of calendar days. Multiply the answer by 748 to convert from CCF to gallons per day. A minimum time frame of one year should be used if available. You may request this data from the Pretreatment Program.
 3. Add the Total Average GPD from all accounts. Enter this number in Table C, Section A – “TOTALS” - “City Supply” column in the bottom left of the table.

Water Account Information Table

Water account number – city supply	Account type (do not list landscape or fireline)	Total volume consumed (CCF)	Number of days measured	Average daily use in CCF	Average daily usage in GPD
Total Average GPD					

4. In Table C – Section A, “Water Used For” column – List all activities or processes where water is used.

Note: All process activities as identified in Section B1(b) of this application should be included in the “Process” column, and the corresponding hours and days of operation.

Note: All non-process activities identified in Section B1(c) of this application should be listed in the “Non-process” column.

5. In Table C – Section A, “Water Supplied by: GPD for each use” column - Indicate the average gallons per day for each use listed.

Note: A reasonable estimate of water for sanitary use is 15 – 30 gallons per employee per day. The corresponding entry in Section B would be under “Direct to Sanitary”.

Note: Most facilities will be limited to the “City Supply” column as the source of water. If there are any other sources of water such as a well, recycled wastewater, bottled water, or other source, then total the gallons per day supplied from those sources in Table C – Section A in the “Well” or “Other” columns as appropriate.

- (b) Section B shows where the wastewater was discharged or directed to. Section B includes the following options:

1. Direct to sanitary sewer
2. Pretreat and then to sanitary sewer - On site pretreated process wastewater discharged to the sanitary sewer
3. Other - Use the code letters listed at the bottom of the table to describe the means of disposal other than to the sanitary sewer. Put the corresponding code in the column marked “*”. “Other” options include storm drain, waste hauler, evaporation, used in product, reclaimed water, landscape, or other.

Note: A properly completed table must have the sum of all entries in Section A equal the sum of all entries in Section B. Therefore, the sum of all “TOTALS” at the bottom of the table from Section A must equal the sum of all totals from Section B.

- (c) Section C shows how the entries in Section A and B were determined. Some processes may have private sub-meters that can be used to determine the amount of water dedicated to any given process. When these are used to determine usage or discharge, it should be indicated in Section C of Table C. All rows containing data must show entries in Section C. Checks in the “Direct” column are for flows determined by totalizers, flow meters, or other measuring devices. “Indirect” is checked when the use is calculated or estimated. The last column describes how the determination was made. If estimates or calculations are used to determine the rates, the calculation or estimate methodology must be provided.

EXAMPLE Table C. Water Use and Disposition Average Daily Quantities

Section A: Water Used for:				Water Supplied by: GPD for each use				Section B – GPD of Wastewater Discharged to:				Section C - Measurement		
Non Process: List non-process uses such as sanitary, landscape (if not separately metered), DI and RO backwash or reject, boilers, cooling towers, non-contact cooling water, food preparation, or other uses.				City supply	Well	Other:		Direct to sanitary sewer	Pretreat and then to sanitary sewer	Other	*	Direct	In-direct	Measurements determined by:
1. Sanitary				750				750					x	calculation
2. Non-contact cooling water				100				100				x		meter
3. Reverse Osmosis Reject				500				500				x		meter
4. Cooling towers				500	500			600		400	c	x		meter
5. In product use				500						500	d		x	production records
6.														
7.														
<u>Process</u>	hrs/ day	days/ week												
1. Etching	8	5		100					100				x	manufacturing specifications
2. Scrubber	24	7		1000					800	200	c	x		meter
3. Nickel plating	6	5		200					150	50	b		x	manufacturing specifications
4. Developing	8	5		200					200				x	manufacturing specifications
5.														
6.														
7.														
8.														
TOTALS:				3850	500			1950	1250	1150		Notes: 30 employees, facility has a separate landscape meter / account.		
				Total supplied		4350		Total water discharged or otherwise disposed			4350			

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

Section A: Water Used for:			Water Supplied by: GPD for each use			Section B – GPD of Wastewater Discharged to:				Section C - Measurement		
Non Process: List non-process uses such as sanitary, landscape (if not separately metered), DI and RO backwash or reject, boilers, cooling towers, non-contact cooling water, food preparation, or other uses.			City supply	Well	Other: _____	Direct to sanitary sewer	Pretreat and then to sanitary sewer	Other	*	Direct	In-direct	Measurements determined by:
1. Sanitary												
2.												
3.												
4.												
5.												
6.												
7.												
<u>Process</u>	hrs/ day	days/ week										
1.												
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
TOTALS:										Notes:		
			Total supplied			Total water discharged or otherwise disposed						

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

PART C. FACILITY PROCESSES AND WATER USE (continued)**C3. Process Wastewater Flow Rates:**

Peak Hourly gallons / minute	Maximum Daily gallons / day	Daily Average gallons / day

C4. If Batch Discharge, indicate:

- (a) Number of batch discharges per day: _____ or per month: _____
- (b) Time of batch discharges: _____ (days of week) at _____ (hours of day)
- (c) Average quantity per batch: _____ gallons
- (d) Flow rate: _____ gallons / minute

C5. Projected significant water use changes for the coming year are:

☐ None ☐ Increase ☐ Decrease

Process water changes: gallons/day _____ estimated date if known: _____

Non-process water use changes: type of change _____
gallons/day: _____ estimated date if known: _____

C6. List any process or non-process water or wastewater meters and their specific uses. **Attach a copy of the meter readings for all flow/water meters within your facility (other than the City-maintained meters) for the past 12 months.**

Metered process	Location	Reading frequency	Type of water

PART D - 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. An arrow showing north as well as the map scale must be shown.

Building Layout – Draw to scale the location of each building on the premises. **Attach as many pages as necessary.** Show the location of the following facility features:

- 1) Industrial process areas - show location of all wastewater generating activities listed in Section A of Table C.
- 2) Building sewer lines - clearly identify all sanitary and wastewater drainage plumbing (number each line leaving the building).
- 3) Pretreatment system(s)
- 4) Chemical storage areas
- 5) Industrial wastewater sampling location - Sanitary and / or combined industrial/sanitary sampling location(s)
- 6) Meter location(s) – identify location of all meters, including process supply, discharge, and water meters.
- 7) Storm drains

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

PART E – SCHEMATIC FLOW DIAGRAM(S)

The Schematic Flow Diagram shows the flow pattern of products through the facility and the various sources of water and wastewater generated. This information will enable the City to assess the quality, volume and peak flows of the discharge.

A line drawing of each process described in Section B1(b) and(c) or in Table C is to be completed in the space below, or attached separately. For each activity in which wastewater is generated, create a diagram of the water flow(s) from initial use to final discharge to the sanitary sewer, either direct or through pretreatment, or hauled off site. Label the discharge flow rates from each process in average gallons per day, which should correspond to the values listed in Table C.

SEE EXAMPLE ON NEXT PAGE

PART F - PRETREATMENT AND WASTE MINIMIZATION PROCEDURES

Note: A separate part F should be used to describe each individual pretreatment system in use.

F1. Physical/chemical wastewater pretreatment (check all that apply):

- | | | |
|--|---|--|
| <input type="checkbox"/> none | <input type="checkbox"/> cyanide destruction | <input type="checkbox"/> plate out |
| <input type="checkbox"/> flocculation | <input type="checkbox"/> chromium reduction | <input type="checkbox"/> settling/clarification |
| <input type="checkbox"/> precipitation | <input type="checkbox"/> air flotation | <input type="checkbox"/> automatic treatment system |
| <input type="checkbox"/> ion exchange | <input type="checkbox"/> filtration-sand/diatomaceous | <input type="checkbox"/> manual treatment |
| <input type="checkbox"/> pH adjustment | <input type="checkbox"/> filtration-membrane | <input type="checkbox"/> system double contained |
| <input type="checkbox"/> silver recovery | <input type="checkbox"/> filter press | <input type="checkbox"/> filtration (specify): _____ |
- ☐ hydrodynamic grease interceptor (grease trap) - size: _____
maintenance frequency: _____
- ☐ gravity grease interceptor - size: _____ maintenance frequency: _____
- ☐ oil / water separator - size: _____ maintenance frequency: _____
- ☐ chemical(s) used for pretreatment (list): _____

- ☐ other pretreatment methods (list): _____

F2. Wastewater pH adjustment (complete if you use pH control):

- | | | |
|--|---|---|
| <input type="checkbox"/> audible high pH alarm | <input type="checkbox"/> visual high pH alarm | <input type="checkbox"/> alarm set points _____ |
| <input type="checkbox"/> audible low pH alarm | <input type="checkbox"/> visual low pH alarm | <input type="checkbox"/> automatic alarm reset |
- ☐ final pH chart recorder - circle chart range: pH 2-12 pH 0-14 pH 0-10
circle chart speed: 1 inch/hour other (specify: _____
- ☐ manual pH record log
- ☐ electronic pH monitoring (data retrievable)

F3. Pretreatment Facility Description:

- (a) Sketch or provide a diagram of the layout of the pretreatment systems(s) noted in Part F showing: tanks (indicate size), chemical feed points, mixers, sampling structure location, metering devices, direction of flow, and discharge to sanitary sewer location.
- (b) System manufacturer or design engineer: _____
- (c) Design flow: _____
- (d) Actual flow: _____

PART G - WASTEWATER CHEMICAL CHARACTERISTICS

Indicate whether any of the following constituents, characteristics, or substances can be present (x) at this facility. Refer to your Hazardous Materials Inventory Statement or MSDSs to determine if trade name materials contain the substances listed below.

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.

Attach a copy of the Hazardous Materials Inventory Statement from your Hazardous Materials Business Plan

G1. Volatiles

A	B	
<input type="checkbox"/>	<input type="checkbox"/>	Acrolein
<input type="checkbox"/>	<input type="checkbox"/>	Acrylonitrile
<input type="checkbox"/>	<input type="checkbox"/>	Benzene
<input type="checkbox"/>	<input type="checkbox"/>	Carbon tetrachloride (Tetrachloromethane)
<input type="checkbox"/>	<input type="checkbox"/>	Chlorobenzene
<input type="checkbox"/>	<input type="checkbox"/>	1,2-dichloroethane
<input type="checkbox"/>	<input type="checkbox"/>	1,1,1-trichloroethane (TCA)
<input type="checkbox"/>	<input type="checkbox"/>	1,1-dichloroethane
<input type="checkbox"/>	<input type="checkbox"/>	1,1,2-trichloroethane
<input type="checkbox"/>	<input type="checkbox"/>	1,1,2,2-tetrachloroethane
<input type="checkbox"/>	<input type="checkbox"/>	Chloroethane
<input type="checkbox"/>	<input type="checkbox"/>	2-chloroethyl vinyl ether (mixed)
<input type="checkbox"/>	<input type="checkbox"/>	Chloroform (Trichloromethane)
<input type="checkbox"/>	<input type="checkbox"/>	1,2-dichlorobenzene
<input type="checkbox"/>	<input type="checkbox"/>	1,3-dichlorobenzene
<input type="checkbox"/>	<input type="checkbox"/>	1,4-dichlorobenzene
<input type="checkbox"/>	<input type="checkbox"/>	1,1-dichloroethylene
<input type="checkbox"/>	<input type="checkbox"/>	1,2-trans-dichloroethylene
<input type="checkbox"/>	<input type="checkbox"/>	1,2-dichloropropane
<input type="checkbox"/>	<input type="checkbox"/>	1,3-dichloropropylene (1,3-dichloropropene)
<input type="checkbox"/>	<input type="checkbox"/>	Ethylbenzene
<input type="checkbox"/>	<input type="checkbox"/>	Methylene chloride (Dichloromethane)
<input type="checkbox"/>	<input type="checkbox"/>	Methyl chloride (Chloromethane)
<input type="checkbox"/>	<input type="checkbox"/>	Methyl bromide (Bromomethane)
<input type="checkbox"/>	<input type="checkbox"/>	Bromoform (Tribromomethane)
<input type="checkbox"/>	<input type="checkbox"/>	Dichlorobromomethane
<input type="checkbox"/>	<input type="checkbox"/>	Chlorodibromomethane
<input type="checkbox"/>	<input type="checkbox"/>	Tetrachloroethylene (PCE)
<input type="checkbox"/>	<input type="checkbox"/>	Toluene
<input type="checkbox"/>	<input type="checkbox"/>	Trichloroethylene (TCE)
<input type="checkbox"/>	<input type="checkbox"/>	Vinyl chloride (Chloroethylene)

PART G continued - 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.

G2. Semi-Volatiles

A	B
<input type="checkbox"/>	<input type="checkbox"/> Acenaphthene
<input type="checkbox"/>	<input type="checkbox"/> Acenaphthylene
<input type="checkbox"/>	<input type="checkbox"/> Anthracene
<input type="checkbox"/>	<input type="checkbox"/> Benzdine
<input type="checkbox"/>	<input type="checkbox"/> Benzo(a)anthracene (1,2-benzanthracene)
<input type="checkbox"/>	<input type="checkbox"/> Benzo(a)pyrene (3,4-benzopyrene)
<input type="checkbox"/>	<input type="checkbox"/> Benzo(k)fluoranthene (11,12-benzofluoranthene)
<input type="checkbox"/>	<input type="checkbox"/> Benzo(ghi)perylene (1,12-benzoperylene)
<input type="checkbox"/>	<input type="checkbox"/> 3,4-benzofluoranthene (benzo (b) fluoranthene)
<input type="checkbox"/>	<input type="checkbox"/> Bis (2-chloroethyl) ether
<input type="checkbox"/>	<input type="checkbox"/> Bis (2-chlorisopropyl) ether
<input type="checkbox"/>	<input type="checkbox"/> Bis (2-chloroethoxy) methane
<input type="checkbox"/>	<input type="checkbox"/> Bis (2-ethylhexyl) phthalate
<input type="checkbox"/>	<input type="checkbox"/> Butyl benzyl phthalate
<input type="checkbox"/>	<input type="checkbox"/> 2-chloronaphthalene
<input type="checkbox"/>	<input type="checkbox"/> 2-chlorophenol
<input type="checkbox"/>	<input type="checkbox"/> 4-chlorophenyl phenyl ether
<input type="checkbox"/>	<input type="checkbox"/> Chrysene
<input type="checkbox"/>	<input type="checkbox"/> Dibenzo(a,h)anthracene (1,2,5,6-dibenzathracene)
<input type="checkbox"/>	<input type="checkbox"/> 3,3-dichlorobenzidine
<input type="checkbox"/>	<input type="checkbox"/> 2,4-dichlorophenol
<input type="checkbox"/>	<input type="checkbox"/> Diethyl phthalate
<input type="checkbox"/>	<input type="checkbox"/> 2,4-dimethylphenol
<input type="checkbox"/>	<input type="checkbox"/> Dimethyl phthalate
<input type="checkbox"/>	<input type="checkbox"/> Di-n-octyl phthalate
<input type="checkbox"/>	<input type="checkbox"/> Di-n-butyl phthalate
<input type="checkbox"/>	<input type="checkbox"/> 2,4-dinitrophenol
<input type="checkbox"/>	<input type="checkbox"/> 2,6-dinitrotoluene
<input type="checkbox"/>	<input type="checkbox"/> 4,6-dinitro-o-cresol (2-methyl-4,6-dinitrophenol)
<input type="checkbox"/>	<input type="checkbox"/> 1,2-diphenylhydrazine
<input type="checkbox"/>	<input type="checkbox"/> 2,4-dinitrotoluene
<input type="checkbox"/>	<input type="checkbox"/> Fluoranthene
<input type="checkbox"/>	<input type="checkbox"/> Fluorene
<input type="checkbox"/>	<input type="checkbox"/> Hexachlorobenzene
<input type="checkbox"/>	<input type="checkbox"/> Hexachloroethane
<input type="checkbox"/>	<input type="checkbox"/> Hexachlorobutadiene
<input type="checkbox"/>	<input type="checkbox"/> Hexachlorocyclopentadiene
<input type="checkbox"/>	<input type="checkbox"/> Indeno(1,2,3-cd)pyrene (2,3-o-phenylene pyrene)
<input type="checkbox"/>	<input type="checkbox"/> Isophorone
<input type="checkbox"/>	<input type="checkbox"/> Naphthalene
<input type="checkbox"/>	<input type="checkbox"/> Nitrobenzene
<input type="checkbox"/>	<input type="checkbox"/> 2-nitrophenol
<input type="checkbox"/>	<input type="checkbox"/> 4-nitrophenol
<input type="checkbox"/>	<input type="checkbox"/> N-nitrosodimethylamine
<input type="checkbox"/>	<input type="checkbox"/> N-nitrosodiphenylamine
<input type="checkbox"/>	<input type="checkbox"/> N-nitrosodi-n-propylamine
<input type="checkbox"/>	<input type="checkbox"/> Parachlorometa cresol
<input type="checkbox"/>	<input type="checkbox"/> Pentachlorophenol

PART G continued - 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.

G2. Semi-Volatiles (continued)

A B

- | | | |
|--------------------------|--------------------------|----------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | Phenanthrene |
| <input type="checkbox"/> | <input type="checkbox"/> | Phenol |
| <input type="checkbox"/> | <input type="checkbox"/> | Pyrene |
| <input type="checkbox"/> | <input type="checkbox"/> | 1,2,4-trichlorobenzene |
| <input type="checkbox"/> | <input type="checkbox"/> | 2,4,6-trichlorophenol |
| <input type="checkbox"/> | <input type="checkbox"/> | 4-bromophenyl phenyl ether |

G3. Pesticides & PCB's

A B

- | | | | |
|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | Aldrin | |
| <input type="checkbox"/> | <input type="checkbox"/> | Dieldrin | |
| <input type="checkbox"/> | <input type="checkbox"/> | Chlordane | (Technical mixture and metabolites) |
| <input type="checkbox"/> | <input type="checkbox"/> | 4,4-DDT | |
| <input type="checkbox"/> | <input type="checkbox"/> | 4,4-DDE | (p,p-DDX) |
| <input type="checkbox"/> | <input type="checkbox"/> | 4,4-DDD (p,p-TDE) | |
| <input type="checkbox"/> | <input type="checkbox"/> | Alpha-endosulfan | |
| <input type="checkbox"/> | <input type="checkbox"/> | Beta-endosulfan | |
| <input type="checkbox"/> | <input type="checkbox"/> | Endosulfan sulfate | |
| <input type="checkbox"/> | <input type="checkbox"/> | Endrin | |
| <input type="checkbox"/> | <input type="checkbox"/> | Endrin aldehyde | |
| <input type="checkbox"/> | <input type="checkbox"/> | Heptachlor | |
| <input type="checkbox"/> | <input type="checkbox"/> | Heptachlor epoxide | (BHC-hexachlorocyclohexane) |
| <input type="checkbox"/> | <input type="checkbox"/> | Alpha-BHC | |
| <input type="checkbox"/> | <input type="checkbox"/> | Beta-BHC | |
| <input type="checkbox"/> | <input type="checkbox"/> | Gamma-BHC (Lindane) | |
| <input type="checkbox"/> | <input type="checkbox"/> | Delta-BHC | |
| <input type="checkbox"/> | <input type="checkbox"/> | PCB-1242 (Aroclor 1242) | |
| <input type="checkbox"/> | <input type="checkbox"/> | PCB-1254 (Aroclor 1254) | |
| <input type="checkbox"/> | <input type="checkbox"/> | PCB-1221 (Aroclor 1221) | |
| <input type="checkbox"/> | <input type="checkbox"/> | PCB-1232 (Aroclor 1232) | |
| <input type="checkbox"/> | <input type="checkbox"/> | PCB-1248 (Aroclor 1248) | |
| <input type="checkbox"/> | <input type="checkbox"/> | PCB-1260 (Aroclor 1260) | |
| <input type="checkbox"/> | <input type="checkbox"/> | PCB-1016 (Aroclor 1016) | |
| <input type="checkbox"/> | <input type="checkbox"/> | 2,3,7,8-tetrachlorodibenzo-p-dioxin | |
| <input type="checkbox"/> | <input type="checkbox"/> | Toxaphene | |

PART G continued - 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.

G4. Metals

A	B	
<input type="checkbox"/>	<input type="checkbox"/>	Antimony
<input type="checkbox"/>	<input type="checkbox"/>	Arsenic
<input type="checkbox"/>	<input type="checkbox"/>	Barium
<input type="checkbox"/>	<input type="checkbox"/>	Beryllium
<input type="checkbox"/>	<input type="checkbox"/>	Cadmium
<input type="checkbox"/>	<input type="checkbox"/>	Chromium
<input type="checkbox"/>	<input type="checkbox"/>	Cobalt
<input type="checkbox"/>	<input type="checkbox"/>	Copper
<input type="checkbox"/>	<input type="checkbox"/>	Lead
<input type="checkbox"/>	<input type="checkbox"/>	Mercury
<input type="checkbox"/>	<input type="checkbox"/>	Nickel
<input type="checkbox"/>	<input type="checkbox"/>	Molybdenum
<input type="checkbox"/>	<input type="checkbox"/>	Selenium
<input type="checkbox"/>	<input type="checkbox"/>	Silver
<input type="checkbox"/>	<input type="checkbox"/>	Thallium
<input type="checkbox"/>	<input type="checkbox"/>	Zinc

G5. Miscellaneous

A	B	
<input type="checkbox"/>	<input type="checkbox"/>	Cyanide
<input type="checkbox"/>	<input type="checkbox"/>	Algicides*
<input type="checkbox"/>	<input type="checkbox"/>	Asbestos
<input type="checkbox"/>	<input type="checkbox"/>	Cresols*
<input type="checkbox"/>	<input type="checkbox"/>	Hydrocarbons
<input type="checkbox"/>	<input type="checkbox"/>	Fluoride*
<input type="checkbox"/>	<input type="checkbox"/>	Sodium
<input type="checkbox"/>	<input type="checkbox"/>	Temperature above 140 degrees F
<input type="checkbox"/>	<input type="checkbox"/>	Thiourea
<input type="checkbox"/>	<input type="checkbox"/>	High pH
<input type="checkbox"/>	<input type="checkbox"/>	Low pH
<input type="checkbox"/>	<input type="checkbox"/>	Oil/grease (animal/vegetable)
<input type="checkbox"/>	<input type="checkbox"/>	Oil/grease (mineral)
<input type="checkbox"/>	<input type="checkbox"/>	Radioactivity

*Identify the chemical compounds and concentrations where known.

G6. Other Solvents (list):

A	B	
<input type="checkbox"/>	<input type="checkbox"/>	Acetone
<input type="checkbox"/>	<input type="checkbox"/>	IPA
<input type="checkbox"/>	<input type="checkbox"/>	Ethanol
<input type="checkbox"/>	<input type="checkbox"/>	Methanol
<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	_____

PART H - ENVIRONMENTAL PERMITS

HAZARDOUS MATERIALS / WASTES

- H1. Does your facility generate hazardous waste? ☐ yes ☐ no
- (a) If yes, have you applied for a Hazardous Waste Generator Permit with the Sunnyvale Department of Public Safety? ☐ yes ☐ no ☐ NA or
- (b) Is your facility permitted as a Transfer Storage or Disposal Facility (TSDF) by the Department of Toxic Substances Control? ☐ yes ☐ no ☐ NA
- (c) What is your EPA ID number? _____
- H2. Have you applied for a Hazardous Materials Storage Permit from the City of Sunnyvale Fire Prevention Bureau? ☐ yes ☐ no ☐ NA
- (a) If yes, did you receive: ☐ permit ☐ waiver ☐ action pending ☐ rejection
- H3. If you have a hazardous waste (or wastewater) treatment system:
- Have you applied for a Hazardous Waste Treatment (tiered) permit from the Sunnyvale Department of Public Safety? ☐ yes ☐ no
- (a) If yes, what tier are you permitted for? _____
- H4. Check the following Permits as applicable, which are all issued through the City of Sunnyvale Department of Public Safety Hazardous Materials Division:
- ☐ Underground Storage Tank (UST) Operations
- ☐ Toxic Gas Operations
- ☐ California Accidental Release

STORMWATER

- H5. Stormwater Pollution Prevention
- (a) Do you have any discharge to storm drains or channels other than storm water?
- ☐ yes ☐ no
1. If yes, have you applied for an individual NPDES permit from the California Regional Water Quality Control Board? ☐ yes ☐ no
2. If yes, did you receive: ☐ permit ☐ waiver ☐ action pending ☐ rejection
3. What is your permit number? _____
4. Describe the discharge covered by your Individual NPDES Permit
- _____
- _____

STORMWATER continued.

- (b) Reference Order NO. 2014-0057-DWQ; NPDES General Industrial Permit NO. CAS000001 Attachment A: FACILITIES COVERED BY THIS GENERAL (INDUSTRIAL) PERMIT.

(http://www.swrcb.ca.gov/water_issues/programs/stormwater/docs/industrial/2014indgenpermit/atta.pdf)

Based on this Order, is your facility required to apply for coverage under the NPDES General Industrial Stormwater Permit with the California Regional Water Quality Control Board?

☐ yes ☐ no

- (c) If yes, which category (1-9, from Attachment A referenced above) identifies your facility?

-
- (d) Has your facility filed for coverage under the NPDES General Industrial Stormwater Permit?

☐ yes ☐ no

- (e) Do you have a Stormwater Pollution Prevention Plan on file? ☐ yes ☐ no ☐ NA

If yes, what is the most recent date of the document? _____

- (f) Are there any stormwater treatment devices or structures at your facility? ☐ yes ☐ no

If yes, describe: _____

-
- H6. List any other environmental permits held by this facility: _____

PART I - FEDERAL PRETREATMENT STANDARDS

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

Is the facility meeting applicable pretreatment standards on a consistent basis? ☐ Yes ☐ No

Do you require additional operations and maintenance (O&M) to achieve compliance? ☐ Yes ☐ No

*If additional O&M or new or additional pretreatment will be required to meet categorical pretreatment standards on a consistent basis, attach a schedule projecting increments of progress, and indicating and dates for the commencement and completion of major events leading to compliance with the standard.

Aluminum Forming: rolling, extrusion, forging, drawing	<input type="checkbox"/>
Battery Manufacturing	<input type="checkbox"/>
Coil Coating: processes involved in converting a coil of strip metal into a coil of painted metal; canmaking	<input type="checkbox"/>
Copper Forming: rolling, extrusion, drawing, forging used to form copper or copper alloys	<input type="checkbox"/>
Electrical/Electronic Components: mfg. of semiconductor, cathode ray tube, luminescent materials, electronic crystals	<input type="checkbox"/>
Inorganic Chemicals	<input type="checkbox"/>
Iron & Steel Manufacturing	<input type="checkbox"/>
Leather Tanning & Finishing	<input type="checkbox"/>
Metal Finishing: more than 50% of work is for own product electroplating, anodizing, conversion coating, electroless plating, chemical etching and milling, printed circuit boards	<input type="checkbox"/>
Metal Molding & Casting	<input type="checkbox"/>
Nonferrous Metals Forming	<input type="checkbox"/>
Nonferrous Metals Mfg: processing ore or scrap metals from solutions and other sources	<input type="checkbox"/>
Organic Chemicals, Plastics, & Synthetic Fibers: manufacturing	<input type="checkbox"/>
Pesticides: manufacturing, formulating, packaging	<input type="checkbox"/>
Pharmaceuticals: fermentation, extraction, chemical synthesis, compounding, mixing, formulating, research	<input type="checkbox"/>
Plastics Molding & Forming: molding, extrusion, coating, laminating, calendaring, thermoforming, casting, forming, cleaning, assembling	<input type="checkbox"/>
Porcelain Enameling: preparation of a metal surface and application of a porcelain or fused silicate coating	<input type="checkbox"/>
Pulp & Paper: manufacture of pulp, paper, or paperboard including secondary fiber mills	<input type="checkbox"/>
Steam-Electric Power Generating	<input type="checkbox"/>
Textile Mills	<input type="checkbox"/>
Other (list): _____	<input type="checkbox"/>

PART J - FACILITY LIST

List the address of any additional facilities you have located in Sunnyvale. For each facility, check the general wastewater generation category(s) which are applicable. Inspections are conducted at Sunnyvale commercial facilities to assess wastewater generation and stormwater pollution potential.

Facility Address	Sanitary Only	Food Preparation (Cooking Done)	Process

If your company has facilities located in Sunnyvale for which you are not responsible (i.e., another division), list the division, address, contact person, and phone number for each of those facilities.

Division / Facility Address	Contact Person	Phone Number