



# Central Contra Costa Sanitary District

Protecting public health and the environment

5019 Imhoff Place, Martinez, CA 94553-4392

FAX: (925) 335-7746

Hand Delivered

December 18, 2014

Stephen Franaszek  
Joint Genome Institute  
2800 Mitchell Drive  
Walnut Creek, CA 94598

ROGER S. BAILEY  
General Manager

KENTON L. ALM  
Counsel for the District  
(510) 808-2000

ELAINE R. BOEHME  
Secretary of the District

Dear Mr. Franaszek:

## CENTRAL CONTRA COSTA SANITARY DISTRICT CLASS III INDUSTRIAL USER PERMIT

Enclosed is the Class III IU Permit for the period **January 1, 2015 to December 31, 2017**. In order to complete the permit, please do the following:

1. Check the information on the first two pages (signature page and data page). Make any necessary additions or corrections on both permit pages and the duplicate pages attached to this letter.
2. Carefully read the entire permit so that you are familiar with all of the requirements that must be met by the Industrial User. Please note that the Appendix contains sections that identify specific actions that you must complete and/or maintain during the permit's effective dates.
  - Description of applicable processes
    - "Water recirculation system discharge" added to the list to allow the batch discharge of wastewater from the water recirculation system in the Plant Science Laboratory
  - Appendix A- Compliance Schedule:
    - Review and update the facility diagram. Submit to the District by **March 31, 2016**.
    - Review and update the Slug Discharge Prevention and Contingency (SDPC) Plan in accordance with CCCSD Guidelines (see Appendix). Submit the SDPC Plan to CCCSD by **March 31, 2016**.
  - Appendix D- Operation & Maintenance Logs
    - Log batch discharges of wastewater from the water recirculation system in the Plant Science Laboratory to the sanitary sewer, including date, time, duration and volume of discharge.
3. Sign and date the certification statement on the two signature pages. Please note that the permit must be signed by a company officer that can commit the company to any actions that may be required for permit compliance.

4. Return the completed signature and data pages (one set only) to this office in the enclosed self-addressed envelope no later than **December 31, 2014**. Keep the completed original permit in your files and refer to it as needed.

If you have any questions or comments regarding the permit requirements, please call Colleen Henry at 925-229-7347.

Sincerely,

A handwritten signature in blue ink that reads "Timothy Potter". The signature is written in a cursive style with a large initial "T".

Timothy Potter  
Environmental Compliance Superintendent

TP/CH/mvp

Enclosures

**CENTRAL CONTRA COSTA SANITARY DISTRICT**  
**Class III Industrial User Permit**

|                              |                                                                                  |
|------------------------------|----------------------------------------------------------------------------------|
| <b>Industrial User Name:</b> | Joint Genome Institute                                                           |
| <b>Site Address:</b>         | 2800 Mitchell Drive, Walnut Creek, California (Buildings 100, 310, 400, and 500) |
| <b>Mailing Address:</b>      | 2800 Mitchell Drive, Walnut Creek, California 94598                              |
| <b>Permit Issued:</b>        | January 1, 2015                                                                  |
| <b>Permit Renewal:</b>       | December 31, 2017                                                                |

**Certification**

- The Industrial User agrees to comply with Title 10 of the District Code and the terms and conditions of this permit.
- The Industrial User understands that this permit may be revoked and permission to discharge may be denied.
- The Industrial User shall be liable for all damages, direct and consequential, caused by violating the terms and conditions of this permit.

"I am an authorized representative of the Industrial User as specified in CCCSD Code Title 10.04.020 (B). I have authority to commit resources necessary to achieve and maintain compliance with the conditions of this permit. I have reviewed this permit document and understand the requirements contained herein."

**Company Officer:**

Name: Ray Turner  
Title: Deputy Director - Operations  
Signature: [Signature]  
Date: 12/19/14

**Definition of Authorized Representative of Industrial User:** An authorized representative of an industrial user may be: (1) the principal executive officer, if the industrial user is a corporation; (2) general partner or proprietor if the industrial user is a partnership or proprietorship, respectively; (3) duly authorized representative of the individual designated above if such representative is responsible for the overall operation of the facilities from which the discharge originates and if such representative is identified in writing by the individual designated in (1) or (2) above.

**Authorization**

The Industrial User is authorized to discharge wastewater to the sanitary sewer, subject to the Industrial User's compliance with Title 10 of the District Code, 40CFR, and the terms and conditions of this permit. This authorization is conditional on the Industrial User signing and returning the above certification to the District's Source Control Section.

**Central Contra Costa Sanitary District**

Name: Timothy L. Potter  
Title: Environmental Compliance Superintendent  
Signature: [Signature]  
Date: 12/18/14

**Corporate Information (if applicable)**

|                      |     |                         |     |
|----------------------|-----|-------------------------|-----|
| Name of Corporation: | N/A | State of Incorporation: | N/A |
| Address:             | N/A |                         |     |
| Corporate Agent:     | N/A | Phone:                  | N/A |
| Address:             | N/A |                         |     |

**Property Owner:**

|                 |                                                           |        |                                    |
|-----------------|-----------------------------------------------------------|--------|------------------------------------|
| Property Owner: | Hall Equities Group                                       |        |                                    |
| Address:        | 1855 Olympic Boulevard, Suite 250, Walnut Creek, CA 94596 |        |                                    |
| Contact:        | Stefanie Schriber<br>Christine Seidt                      | Phone: | (925) 260-5567 ext 255<br>933-4000 |

**Chief Executive Officer, General Partner, or Proprietor:**

|          |                                      |        |          |
|----------|--------------------------------------|--------|----------|
| Name:    | Dr. Eddy Rubin                       | Title: | Director |
| Address: | 1 Cyclotron Road, Berkeley, CA 94720 |        |          |

**Person to be contacted about this permit:**

|        |                                                                                 |                |                |
|--------|---------------------------------------------------------------------------------|----------------|----------------|
| Name:  | Ron Pauer                                                                       | Phone (Day):   | (510) 486-7614 |
| Title: | Environmental Services Group Leader<br>Lawrence Berkeley National<br>Laboratory | Phone (Night): | (510) 486-7614 |

**Person(s) to be contacted in case of emergency:**

|        |                    |                |                                     |
|--------|--------------------|----------------|-------------------------------------|
| Name:  | Greg Stanley       | Phone (Day):   | (925) 296-5898                      |
| Title: | Facilities Manager | Phone (Night): | (925) 997-4834                      |
| Name:  | Stephen Franaszek  | Phone (Day):   | (925) 296-5807                      |
| Title: | Safety Coordinator | Phone (Night): | (925) 980-1528 or<br>(510) 526-4446 |

**Facility Description:**

|                                       |                                                                                                                                                                                                                                                                                                                                                   |                                |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Type of business or operation:        | Genetic research primarily DNA sequencing.                                                                                                                                                                                                                                                                                                        |                                |
| Description of applicable processes:  | Laboratory research using high throughput DNA sequencing and other related research; water recirculation system discharges; autoclave discharges; glassware and carboy washing; floor mopping, and all other non-domestic discharges.<br><br><b>Zero discharge:</b> Concentrated laboratory chemicals, hazardous materials, and hazardous wastes. |                                |
| Description of categorical processes: | None                                                                                                                                                                                                                                                                                                                                              |                                |
| SIC Codes:                            | 8733                                                                                                                                                                                                                                                                                                                                              |                                |
| Plans:                                | SDPC Plan to be updated in 2016                                                                                                                                                                                                                                                                                                                   | No TTO Management Plan on file |

## I. GENERAL REQUIREMENTS

This Industrial User Permit sets forth the terms and conditions for compliance with Title 10 of the Central Contra Costa Sanitary District (District) Code and the National Pretreatment Standards set forth in 40 CFR Part 403. This permit applies to discharges and potential discharges to the sanitary sewer and does not authorize discharges to the stormwater collection system.

- A. **Permit Period:** This permit is in effect for the period stated on the first page. The terms and conditions of this permit shall remain in effect until a new or revised permit is issued by the District or until the District certifies that a permit is no longer required.
- B. **Zero Discharge:** The Industrial User shall not allow discharges to the sanitary sewer from the Zero Discharge processes listed on the second page of this permit.
- C. **Discharge Limits:** For all discharges to the sanitary sewer, the Industrial User shall comply with the District's Local Discharge Limits, applicable National Categorical Pretreatment Standards, and any more stringent limits in the Appendix. The point for determining compliance shall be at the end of each process and its associated pretreatment. The Industrial User shall also comply with the discharge prohibitions in Chapter 10.08 of Title 10 of the District Code.
- D. **Categorical Discharges:** No discharge to the sanitary sewer from processes subject to National Categorical Pretreatment Standards is allowed unless the following conditions have been met:
- The District's Source Control Section has issued specific written permission to discharge from the categorical process.
  - The discharge is monitored in accordance with 40 CFR Part 403. See the *National Categorical Pretreatment Standards: Information for Industrial Users* in the Appendix.
- E. **Compliance Schedule:** All items listed in this permit are effective immediately except for tasks listed in the Appendix.
- F. **Source Reduction:** The Industrial User shall initiate a program of continuous improvement to reduce pollutant loadings from all process discharges. This program may include, but is not limited to, the following:
- Materials and product substitutions (e.g. using the least toxic alternative in the smallest effective quantity);
  - Process or equipment changes (e.g. use of less toxic raw materials);
  - Operational improvements (e.g. segregation of wastes and production scheduling to minimize storage and handling of hazardous materials);
  - Improved housekeeping practices (e.g. minimizing spills);
  - Improved administrative procedures (e.g. inventory control to prevent generation of off-spec and expired materials);
  - Personnel education and communication to involve employees in pollution prevention.

- G. **Best Management Practices:** The Industrial User shall follow available Best Management Practices (BMPs) for processes conducted at the site.
- H. **Access:** The Industrial User shall provide District personnel with access to the facility, discharge location, and/or sampling location at all reasonable times. This access is required in order for District personnel to conduct inspections of the facility and to perform sampling of the wastewater discharge from the premises. In addition, District personnel shall be allowed to take photographs of the facility, the discharge or the processes related to the discharge once access is provided.
- I. **Safety:** The Industrial User shall ensure that District personnel are informed of any specific safety procedures, alarms or personal protective equipment requirements of the entire facility or within certain areas of the facility. In addition, the Industrial User shall provide District personnel with a safe and easily accessible location for sampling.
- J. **Permit Fee:** The Industrial User shall pay an annual Industrial User Permit Fee which is based on a schedule adopted by the District's Board of Directors and includes costs incurred in the administration of the District's Source Control program as it applies to the Industrial User.
- K. **Other Fees and Charges:** The Industrial User shall pay all other applicable fees and charges adopted by the District's Board of Directors by resolution each year.
- L. **Submittals:** The Industrial User shall send all submittals required in this permit to the following address:  
Central Contra Costa Sanitary District  
Attention: Source Control Section  
5019 Imhoff Place  
Martinez, CA 94553

## II. PRETREATMENT AND MONITORING REQUIREMENTS

- A. **Sampling Structure:** The District requires access to the Industrial User's process discharge in order to monitor for compliance with the conditions of this permit. The District may require the Industrial User to install a sampling structure at a point that is tributary from all of the non-domestic discharges from the facility.

If installation of a sampling structure is required, the actions to be completed are identified in the Compliance Schedule (see Appendix). The Industrial User shall obtain approval and all necessary permits regarding the design and location of the process discharge lateral and sampling structure from the District prior to construction.

- B. **Monitoring Equipment:** The Industrial User is responsible for monitoring its discharge to ensure it meets the District's requirements. The District may require that the Industrial User install, maintain, and operate monitoring equipment. Such monitoring equipment includes, but is not limited to: pH meters, combustible gas detectors, and flow meters. The District's requirements for monitoring equipment are identified in the Appendix.

The monitoring equipment required in this permit shall be maintained and calibrated on a regular basis to ensure accurate monitoring of the regulated processes. Any maintenance, adjustments, malfunctions or calibrations of this equipment shall be noted in the operations and maintenance log (see Appendix).

- C. **Pretreatment Equipment:** The Industrial User shall install, operate, and maintain any pretreatment equipment necessary to meet the terms and conditions of this permit. The Industrial User shall develop, implement, and follow Standard Operating Procedures (SOPs) to ensure the proper operation of the pretreatment equipment. Any maintenance, adjustments, malfunctions or calibrations of this equipment shall be noted in the operations and maintenance log (see Appendix).
- D. **Sampling and Analysis:** The District may require the Industrial User to conduct sampling and analysis of a process discharge (See Appendix). The District will notify the Industrial User in writing of any additional required sampling and analysis. If sampling and analysis is required, the Industrial User shall refer to the Appendix for applicable definitions and procedures.

### III. OPERATIONS AND MAINTENANCE REQUIREMENTS

- A. **Tampering and Interference:** The Industrial User shall not tamper with or in any way interfere with District monitoring or sampling equipment or activities. The Industrial User shall not intentionally alter the process discharge during a District sampling event in order to influence the outcome of the District's monitoring.
- B. **Bypass of Pretreatment System:** The Industrial User shall not allow the discharge to bypass the wastewater pretreatment system unless bypass is unavoidable to prevent the loss of life, injury or severe property damage. The District may approve bypass of a pretreatment system if the Industrial User can demonstrate that the discharge meets the terms and conditions of this permit.
- C. **Cessation of Discharge:** The Industrial User shall immediately cease the process discharge when the Industrial User becomes aware that a discharge is in non-compliance with the terms and conditions of this permit.
- D. **Excessive Discharge:** The Industrial User shall not 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 the limitations contained in this permit or in any National Categorical Pretreatment Standards or in any other pollutant-specific limitation developed by the District. An increase in the use of process water that is reasonably proportional to increased production and which is required for said increase in production will not be considered an excessive discharge.
- E. **Operation and Maintenance Logs:** The Industrial User shall maintain written logs pertaining to all operation and maintenance activities that affect or have the potential to affect discharges from the facility to the sanitary sewer. At a minimum, operation and maintenance logs are required for the activities identified in the Appendix.

- F. **Qualified Pretreatment Facility Operator:** The Industrial User shall ensure that the operation of the pretreatment facility is supervised at all times by a fully qualified industrial waste treatment operator. The fully qualified operator shall possess sufficient experience and authority related to the facility's processes in order to maintain the operations of the pretreatment facility in accordance with standard operating procedures developed by the Industrial User.
- G. **Process Sludges and Solids:** The Industrial User shall properly store, recycle, and/or dispose of process sludges and solids in accordance with all applicable local, state, and federal laws and regulations. The Industrial User shall implement an inspection and maintenance program to ensure that process sludges and solids do not accumulate in the facility's process discharge lines, sampling structure, and/or sanitary sewer lateral.
- H. **Discharge to a Manhole:** The Industrial User shall not discharge to a manhole unless the District specifically approves such discharge in writing.
- I. **Hazardous Materials, Toxic or Hazardous Wastes:** The Industrial User shall properly store, treat, recycle, and/or dispose of hazardous materials, and/or any toxic or hazardous wastes generated at the facility in accordance with all applicable state, federal and local laws. No discharge of hazardous materials or hazardous wastes to the sanitary sewer is permitted.
- J. **Hazardous Materials/Hazardous Waste Containment:** The Industrial User shall provide adequate secondary containment for all hazardous materials, satellite hazardous waste storage areas and/or materials prohibited by Title 10 which are sufficiently close to any floor drains or sinks as to have the potential, if a spill should occur, to discharge any of the above materials into the sanitary sewer.

#### IV. NOTIFICATION REQUIREMENTS

- A. Notification of Dangerous or Prohibited Substances:
- a. In the event of any discharge to the sanitary sewer of substances known to be dangerous or otherwise prohibited by this permit or by Title 10 of the District Code or in the event of any discharge to the sanitary sewer of substances that may have an immediate detrimental effect on the District's facilities, operations or to the public, the Industrial User shall immediately notify the District of the incident by calling both of the following telephone numbers:  
925-229-7214 (Treatment Plant) and  
925-229-7288 (Source Control - leave message if no answer)

The verbal notification shall include the following information at a minimum:

- Business name, contact person, and telephone number.
- Location and duration of the discharge.
- Composition of the substance and its dangerous properties.
- Concentration and volume.
- Immediate corrective actions taken.

The Industrial User shall notify the District of any unusual discharge whether or not the Industrial User is aware of any possible impact to the District's facilities or operations.

- b. Within five (5) working days from the date of the discharge, the Industrial User shall submit a detailed written report to the District's Source Control Section describing the nature and cause of the discharge and the measures that have been or will be taken (with time schedule) to prevent similar future occurrences.
  - c. The Industrial User shall permanently post a notice at the Industrial User's premises stating who shall be called in the event of a discharge to the sanitary sewer as described above. The Industrial User shall ensure that all employees who may cause or allow such a discharge to occur are advised of the Industrial User's emergency notification procedure.
- B. **Notification of Change:** The Industrial User shall notify the District's Source Control Section in writing prior to any proposed changes (permanent or temporary) to the premises, processes, chemical usage, wastewater treatment, and/or operations that have the potential for changing the quality, volume or location of the wastewater discharge or that may otherwise lead to deviation from the terms and conditions under which this permit is granted.

## V. REPORTING REQUIREMENTS

- A. **PCR:** The Industrial User shall submit a completed Periodic Compliance Report (PCR) for each reporting period by the due date specified in the Appendix. The completed PCR shall include all documents specified in the Appendix.

The Industrial User may request an extension of the due date for the submittal of the PCR provided that the extension is requested prior to the due date. Facsimile submittal of a completed PCR by the due date will be accepted provided that the original PCR is received within five working days of the facsimile submittal.

- B. **Flow meter and/or pH recorder charts:** If required to perform continuous flow and/or pH monitoring (see Appendix), the Industrial User shall maintain on-site the original flow meter recorder charts and/or pH recorder charts for the reporting period. The Industrial User shall explain any recorded excursions outside the District's limits with the PCR submittal. The Industrial User shall explain any violations in accordance with Section V.D.
- C. **Other analysis data:** The Industrial User shall submit to the District with the PCR any discharge analysis data obtained during the reporting period by EPA approved methods, other than that required by this permit. Should the analysis data indicate a violation of this permit and/or Title 10 of the District Code, the Industrial User shall submit the analysis results to the District in accordance with Section V.D.
- D. **Violations:** After becoming aware of any violation of this permit or Title 10 of the District Code, the Industrial User shall notify the District of the violation within twenty-four hours. The Industrial User shall submit a written report identifying the

violation to the District within five working days. The Industrial User shall investigate the cause of the violation and shall submit a report to the District upon request.

The Industrial User shall repeat the sampling and analysis for any pollutant in violation and shall submit the results of this repeat analysis to the District within thirty days of becoming aware of the violation.

## VI. ADMINISTRATIVE REQUIREMENTS

- A. **Slug Discharge Prevention and Contingency Plan:** The Industrial User is required to develop and implement a Slug Discharge Prevention and Contingency (SDPC) Plan for the facility and submit this plan to the District. The SDPC Plan must contain the information identified in the CCCSD Guidelines for Preparing an SDPC Plan (see Appendix). The Industrial User may use existing emergency response plans to meet this requirement provided the existing plan is amended to include the information identified in the CCCSD guidelines. The Industrial User shall immediately notify the District, in writing, of any proposed changes to the operations, processes, or facilities that may affect the SDPC Plan.
- B. **Records Retention:** All records relating to compliance with pretreatment requirements or standards and the terms and conditions of this permit shall be made available to authorized representatives of the U.S. EPA, the State of California, and the District. The Industrial User shall maintain these records on-site for a minimum of three years from the date of the record or three years from the date of resolution of any enforcement action.
- C. **Confidential Information:** Information and data submitted to or obtained by the District is available to the public or other governmental agency without notification unless the Industrial User specifically requests confidentiality. The Industrial User shall request confidentiality by marking the documents appropriately and providing sufficient justification. The District will evaluate each request for confidentiality to determine if the release of these documents would divulge trade secrets or violate national security.

The eligible confidential information will not be released to the public but will be made available to other governmental agencies upon request, subject to the same protections. Wastewater constituents and characteristics will not be recognized as confidential information.

- D. **Transferability:** This Industrial User Permit is not transferable to a new site or a new business owner.

## VII. ENFORCEMENT

Failure to comply with the terms and conditions of this permit shall subject the Industrial User to enforcement actions as outlined in Chapter 10.16 of the District Code (see Appendix). In addition to the enforcement actions defined above, the Industrial User is subject to the public notification requirements of 40 CFR Part 403 (see Appendix).

# National Categorical Pretreatment Standards: Information for Industrial Users

(rev. 1/29/08)

The U.S. Environmental Protection Agency (EPA) has implemented National Pretreatment Standards that require the District to control the discharge of pollutants from non-domestic sources to its treatment plant. As part of these regulations, EPA has identified specific operations that are subject to regulations known as National Categorical Pretreatment Standards (Categorical Standards). These Categorical Standards establish limits for pollutants discharged to the sanitary sewer. In addition to the Categorical Standard, all other local, state and federal pretreatment standards apply.

An industry subject to a Categorical Standard is required by federal regulations and District Code to do the following:

- Notify the District if the facility conducts or intends to conduct any operation subject to a Categorical Standard.
- Submit a Baseline Monitoring Report (BMR) to the District for the operations covered by the Categorical Standard.
- Obtain an Industrial User Permit from the District for the process subject to the Categorical Standard. This permit will require:
  - Sampling and analysis of the process discharge.
  - Periodic Compliance Reports.

District Source Control staff are available to help you determine whether your operations are subject to Categorical Standards. Please contact the District Source Control Section at 925-229-7288.

The following operations are subject to Categorical Standards:

| <u>SECTION</u> | <u>DESCRIPTION</u>                                    | <u>SECTION</u> | <u>DESCRIPTION</u>                                    |
|----------------|-------------------------------------------------------|----------------|-------------------------------------------------------|
| 40 CFR 405     | Dairy Products Processing                             | 40 CFR 429     | Timber Products Processing                            |
| 40 CFR 406     | Grain Mills                                           | 40 CFR 430     | Pulp, Paper, and Paperboard                           |
| 40 CFR 407     | Canned and Preserved Fruits and Vegetables Processing | 40 CFR 432     | Meat and Poultry Products                             |
| 40 CFR 408     | Canned and Preserved Seafood Processing               | 40 CFR 433     | Metal Finishing (see page 2 for process descriptions) |
| 40 CFR 409     | Sugar Processing                                      | 40 CFR 437     | Centralized Waste Treatment                           |
| 40 CFR 410     | Textile Mills                                         | 40 CFR 439     | Pharmaceutical Manufacturing                          |
| 40 CFR 411     | Cement Manufacturing                                  | 40 CFR 442     | Transportation Equipment Cleaning                     |
| 40 CFR 412     | Concentrated Animal Feeding Operations                | 40 CFR 443     | Paving and Roofing Materials                          |
| 40 CFR 413     | Electroplating                                        | 40 CFR 445     | Landfills                                             |
| 40 CFR 414     | Organic Chemicals, Plastics, and Synthetic Fibers     | 40 CFR 446     | Paint Formulating                                     |
| 40 CFR 415     | Inorganic Chemicals Manufacturing                     | 40 CFR 447     | Ink Formulating                                       |
| 40 CFR 417     | Soap and Detergent Manufacturing                      | 40 CFR 455     | Pesticide Chemicals                                   |
| 40 CFR 418     | Fertilizer Manufacturing                              | 40 CFR 458     | Carbon Black Manufacturing                            |
| 40 CFR 419     | Petroleum Refining                                    | 40 CFR 461     | Battery Manufacturing                                 |
| 40 CFR 420     | Iron and Steel Manufacturing                          | 40 CFR 463     | Plastics Molding and Forming                          |
| 40 CFR 421     | Nonferrous Metals Manufacturing                       | 40 CFR 464     | Metal Molding and Casting                             |
| 40 CFR 423     | Steam Electric Power Generating                       | 40 CFR 465     | Coil Coating                                          |
| 40 CFR 424     | Ferroalloy Manufacturing                              | 40 CFR 466     | Porcelain Enameling                                   |
| 40 CFR 425     | Leather Tanning and Finishing                         | 40 CFR 467     | Aluminum Forming                                      |
| 40 CFR 426     | Glass Manufacturing                                   | 40 CFR 468     | Copper Forming                                        |
| 40 CFR 427     | Asbestos Manufacturing                                | 40 CFR 469     | Electrical and Electronic Components                  |
| 40 CFR 428     | Rubber Manufacturing                                  | 40 CFR 471     | Nonferrous Metals Forming and Metal Powders           |

40 CFR 433 Metal Finishing Point Source Category  
**Description of Applicable Operations**

If any of the following six operations are conducted at the facility, then the Metal Finishing Point Source Categorical Standard (40 CFR 433) applies to this facility:

1. Electroplating
2. Electroless Plating
3. Anodizing
4. Coating
5. Chemical Etching and Milling
6. Printed Circuit Board Manufacturing

If the facility is subject to the Metal Finishing Point Source Categorical Standard, discharges from any of the following ancillary operations are subject to this Categorical Discharge Limits:

- Cleaning
- Machining
- Grinding
- Polishing
- Tumbling
- Burnishing
- Impact Deformation
- Pressure Deformation
- Shearing
- Heat Treating
- Thermal Cutting
- Ultrasonic Machining
- Laminating
- Sputtering
- Thermal Infusion
- Solvent Degreasing
- Painting
- Electropainting
- Assembly
- Testing
- Welding
- Brazing
- Soldering
- Flame Spraying
- Sand Blasting
- Other Abrasive Jet Machining
- Electric Discharge Machining
- Electrochemical Machining
- Electron Beam Machining
- Laser Beam Machining
- Plasma Arc Machining
- Sintering
- Hot Dip Coating
- Vapor Plating
- Salt Bath Descaling
- Paint Stripping
- Electrostatic Painting
- Vacuum Metalizing
- Calibration
- Mechanical Plating

# **Central Contra Costa Sanitary District Enforcement Summary of Title 10: Chapter 10.16 of District Code**

This fact sheet summarizes the Central Contra Costa Sanitary District's (the District) Enforcement Section that establishes enforcement mechanisms. For more detailed information on this section refer to sections 10.16.010 through 10.16.110 of the District Code. Title 10 can be found on our website at: [http://www.centrsan.org/documents/Title\\_10.pdf](http://www.centrsan.org/documents/Title_10.pdf)

The enforcement mechanisms available to the District for violations of the provisions of the Ordinance, applicable District resolutions, and permit or permit contract provisions include the following:

- **Authority to Enforce (10.16.010).**
  - Federal and state statutes and regulations provide authority for the District's enforcement mechanisms against any person (user) utilizing the sanitary sewer.
  
- **Informal Administrative Actions (10.16.020).** Informal administrative actions include:
  - Phone calls
  - Meetings
  - Warning letters
  - Warning Notice
  - Notice of Violation
  
- **Administrative Orders/Compliance Schedules (10.16.030).** Administrative orders for non compliance include:
  - Cease to discharge (suspension of service)
  - Comply with requirements immediately
  - Make changes to their operational activities at the facility to insure compliance
  - If corrective actions must be completed, comply with a time schedule.
  
- **Sampling and Evaluation (S & E) Programs (10.16.040).** The S & E Program may be established if compliance or District sampling indicates a user is in significant non-compliance (SNC). If the S & E Program reveals non-compliance, the District may:
  - Charge the user for costs incurred for sampling and analysis.
  - Require additional sampling and evaluation.
  - Amend an existing permit to grant extensions.
  - Issue an Administrative Order.
  
- **Charges for Damage to District Facilities, (10.16.050).**
  - If a user causes damage, impairment, or an obstruction to the District facilities, the District may impose a charge on the user for the costs to clean, repair and/or resume normal operations. A service fee (25%) may be added to the District's costs.
  
- **Suspension or Termination of Service (10.16.060).** The District may suspend or terminate the sewer service to prevent:
  - Endangerment to the health of individuals or the environment
  - Interference with District operations
  - Violation of the District's NPDES Permit

- **Administrative Civil Penalties (10.16.065).** The District may conduct administrative hearings, and/or impose civil penalties for violation of the Ordinance. Maximum administrative and civil penalties are:
  - \$2,000 per day for late reports
  - \$3,000 per day for missing compliance schedule deadlines,
  - \$5,000 per violation per day for violations of permit conditions or other requirements imposed by the District
  - \$10 per gallon of discharge which violates any suspension, cease and desist, or other order or prohibition imposed by the District
  
- **Civil Action (10.16.070).**
  - The District counsel may bring civil actions to enforce provisions of this Ordinance and/or recover charges, fees, penalties, and/or damages. District counsel may request a permanent or temporary injunction.
  - The District may require compliance with permit conditions, by issuing cease and desist orders and compliance schedules.
  - A civil penalty of up to \$25,000 per day for each violation, for violations of this Ordinance, permit condition, or any ceases and desist order.
  
- **Criminal Action (10.16.080).**
  - Criminal Penalties may be imposed on any person who violates a permit, contract, administrative order, or prohibition. Upon conviction, it is a misdemeanor and punishable by a fine not to exceed \$1,000 or imprisonment in the county jail not to exceed thirty days, or both
  - Any person who knowingly makes false statements in any required document or who falsifies, tampers with, or knowingly renders inaccurate any required monitoring device or method should be punished by a fine or imprisonment or both if convicted. Each separate act of falsification shall constitute a new and separate offense.
  
- **Notification Procedures (10.16.090).**
  - If the District finds that a user violated or is violating the provisions of this Ordinance, the District may serve a written notice explaining the nature of the violation and the enforcement action being taken that prompts the user to respond within 30 days.
  - When a user discovers that it has violated or is violating a provision of the Ordinance, permits, or permit contract, the user shall immediately notify the District. Within five days, the user shall submit a written report to the District detailing the violation and measures taken to prevent similar recurrences.
  
- **Costs (10.16.100)**
  - The user shall pay for all costs associated with the proceeding of enforcement actions taken by the District (e.g. attorney's fees).
  
- **Response to Significant Non-Compliance (SNC) (10.16.110)**
  - Federal law requires the District to annually publish the names of all industrial users found to be in SNC in the newspaper. For the District, the newspaper where the SNC list is published is the Contra Costa Times.

**CENTRAL CONTRA COSTA SANITARY DISTRICT**  
**Determination of Significant Noncompliance (SNC) and**  
**Annual Publication of Businesses in SNC**

Pursuant to the federal regulations contained in 40 CFR 403.8(f)(2)(vii), the District is required to annually publish the names of any and all industrial users of the District's public sewer system that are considered to be in significant noncompliance (SNC) with applicable pretreatment standards or other pretreatment requirements.

An industrial user is in SNC if its violation meets one or more of the following criteria:

- A. Chronic violations of wastewater discharge limits, defined here as those in which sixty-six percent or more of all the measurements taken during a six-month period exceed (by any magnitude) the daily maximum limit or the average limit for the same pollutant parameter;
- B. Technical Review Criteria (TRC) violations, defined here as those in which thirty-three percent or more of all the measurements for each pollutant parameter taken during a six-month period equal or exceed the product of the daily maximum limit or the average limit multiplied by the applicable TRC (TRC = 1.4 for BOD, TSS, fats, oil, and grease, and 1.2 for all other pollutants except pH);
- C. Any other violation of a pretreatment effluent limit (daily maximum or longer term average) that the Control Authority determines has caused alone or in combination with other discharges, interference or pass through (including endangering the health of POTW personnel or the general public);
- D. Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in the POTW's exercise of its emergency authority under Paragraph (f)(1)(vi)(B) of this section to halt or prevent such a discharge;
- E. Failure to meet, within 90 days after the schedule date, a compliance schedule milestone contained in a local control mechanism or enforcement order for starting construction, completing construction or attaining final compliance;
- F. Failure to provide, within 45 days after the due date, required reports such as baseline monitoring reports, 90-day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules;
- G. Failure to accurately report non-compliance;
- H. Any other violation or group of violations that the Control Authority determines will adversely affect the operation or implementation of the local pretreatment program.

Industrial Users (non-residential users) found to be in SNC are required to be published at least annually in the newspaper with the largest circulation for the service area of the agency. For the District, the newspaper where the SNC list is published is the Contra Costa Times.



# **CCCSO GUIDELINES FOR PREPARING A SLUG DISCHARGE PREVENTION AND CONTINGENCY (SDPC) PLAN**

(rev date 5/16/12)

The District requires all of its permitted industrial users to develop SDPC Plans in order to prevent slug discharges from reaching the sanitary sewer or to minimize the impact of slug discharges on District personnel, facilities, and/or operations. A facility's existing Spill Response Plan or Emergency Response Plan developed for another regulatory agency may be used to satisfy the District's requirement for a SDPC Plan provided all of the components identified below are included.

## **SDPC PLAN COMPONENTS**

### **I. FACILITY INFORMATION**

- A. General description of facility operations including hazardous materials used, hazardous wastes generated, and process wastewater generated/ discharged.
- B. Description of stored chemicals.
- C. Inlets to sanitary sewer identified.

### **II. SPILL PREVENTION PROCEDURES**

- A. Administrative controls to prevent spills from occurring (e.g. perform fluid transfers away from sanitary sewer inlets).
- B. Engineering controls to prevent spills from occurring (e.g. secondary containment for storage, hard plumbing to transfer fluids).

### **III. SPILL RESPONSE EQUIPMENT**

- A. List spill response equipment.
- B. Identify location of equipment within facility.

### **IV. SPILL RESPONSE PROCEDURES**

- A. Identification of a spill or potential spill
- B. Spill response activation
- C. Roles and responsibilities
- D. Residuals handling

## V. NOTIFICATION PROCEDURES

- A. Agency notification procedures, including what information is included in a notification and when notification is to occur.
  - o For notification to Central Contra Costa Sanitary District, the Industrial User shall call both of the following phone numbers:  
925-229-7214 (Treatment Plant) **and**  
925-229-7288 (Source Control- leave message if no answer)
- B. Designation of responsibility to perform notification

## VI. EMPLOYEE TRAINING

- A. Identify employees to be trained, scope of training to be provided, and frequency at which training is given.
- B. Include training materials specific to the SDPC Plan.

## VII. CERTIFICATION

- A. Certification statement regarding completeness and implementation of the SDPC Plan.
- B. Certification signature by authorized facility representative (i.e., a company officer who can commit the company to any actions that may be required for full and on-going implementation of the SDPC Plan).

## **CCCSD INDUSTRIAL USER FACT SHEET**

### **GENERAL DISCHARGE PROHIBITIONS**

This fact sheet summarizes the Central Contra Costa Sanitary District's (District) general discharge prohibitions that establish enforceable requirements. More detailed information on these requirements can be obtained by reading the complete text in Sections 10.08.020, 10.08.030, and 10.08.040 of the District Code.

#### **Prohibited Effects:**

- Discharges that pose a threat to human health (e.g. District employees, the public) including hazardous conditions and nuisances;
- Discharges that damage, obstruct or impede the operation and maintenance of the District's collection system and treatment plant;
- Discharges that cause interference with the treatment processes, a "pass-through" event or any other violation of the permits issued to the District to collect, treat, and dispose of wastewater and its residuals;
- Discharges that are prohibited by other statutes or regulations, cause the District to alter its operating permits or plant processes, or prompt additional regulatory oversight by other agencies.

#### **Prohibited Substances or Characteristics:**

- Flammable or explosive substances;
- Solid or viscous substances that may cause obstruction of or interference with District facilities;
- Substances having a pH of  $<5.5$  or  $\geq 11.5$  pH units;
- Liquids, solids or gases that are toxic or hazardous to human health or District operations;
- High temperature wastewater (150°F when discharged to the collection system);
- Significant deviations from the daily quantity and/or quality of wastewater discharged;
- Radioactive substances prohibited by either state or federal regulatory requirements;
- Unpolluted water (e.g. groundwater, storm water) unless specifically authorized by a District permit;
- Septic tank, holding tank, portable toilet, grease interceptor, oil/sand interceptor wastes unless transported into the treatment plant by a waste hauler permitted by the District;
- Hazardous wastes as defined by either federal or state laws and regulations;
- Wastewater that exceeds any federal categorical discharge limits or the District's Local Discharge Limits.





# PERIODIC COMPLIANCE REPORT (PCR)

Central Contra Costa Sanitary District • Source Control Section  
5019 Imhoff Place Martinez, California 94553-4392 • (925) 229-7288

## INDUSTRIAL USER INFORMATION:

|                           |                |                |  |
|---------------------------|----------------|----------------|--|
| Facility Name:            |                |                |  |
| Site Address:             |                |                |  |
| Person completing report: | Name: _____    | Title: _____   |  |
|                           | Company: _____ | Phone #: _____ |  |
| Reporting Period:         | From: _____    | To: _____      |  |

**Industrial Users:** Completion of the Periodic Compliance Report (PCR) is required by the Industrial User Permit issued to your facility. Refer to the Appendix of your permit for reporting requirements. When completing this PCR, please address every section on the front and back, check all the boxes that apply, and submit all information as required. Record only the information **FOR THIS REPORTING PERIOD** as specified in your permit. Failure to accurately complete this report may result in citation by the District.

## COMPLIANCE STATUS:

### Permit (CHECK ONE):

- I hereby certify that the facility and operations are in compliance with the Industrial User Permit during this reporting period.
- The facility and operations are **not** in compliance with the Industrial User Permit during this reporting period. An explanation is attached.

### Local / Federal Limits (CHECK ONE IF SAMPLES COLLECTED):

- All analytical and/or monitoring results are within applicable local / federal limits.
- Analytical and/or monitoring results indicate violation(s) of applicable federal or local limits. A separate sheet is attached listing the violations, the reasons for the violations, and a description of corrective actions taken.

## CERTIFICATION

(Required for all PCR Submittals)

I certify under penalty of perjury that this document and all attachments were prepared under my direction or supervision and in accordance with the system designed to insure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person(s) who manages the system, or those 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 knowingly submitting false information, including the possibility of fine and/or imprisonment for knowing violations.

\_\_\_\_\_  
Signature of Authorized Representative<sup>1</sup>

\_\_\_\_\_  
Title & Company

\_\_\_\_\_  
Date

<sup>1</sup> Reference CCCSD Code Title 10.04.020 (B) for definition of authorized representative.

➡ **Continued on Reverse** ➡

|                                    |              |                |
|------------------------------------|--------------|----------------|
| <b>For Source Control Use only</b> |              |                |
| Date Received:                     | Received by: | Date Reviewed: |

**Note: Each section below corresponds to each Appendix of the permit.**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>A. COMPLIANCE SCHEDULE (CHECK ONE)</b></p> <p><input type="checkbox"/> All Compliance Schedule items have been completed as required and documentation has been submitted.</p> <p><input type="checkbox"/> Attached is a status report of Compliance Schedule items not completed as of the date of this PCR.</p> <p><input type="checkbox"/> There are no Compliance Schedule requirements in the Appendix of the permit due during this reporting period.</p>                                                                                 | <p><b>D. OPERATION &amp; MAINTENANCE (O&amp;M) LOG REQUIREMENTS (CHECK ONE)</b></p> <p><input type="checkbox"/> O&amp;M Logs are maintained on-site as required.</p> <p><input type="checkbox"/> The O&amp;M Logs are <b>NOT</b> complete. An explanation is attached.</p>                                                                                                                                                                                                                                                                                                               |
| <p><b>B. SPECIAL APPROVALS &amp; CONDITIONS (CHECK ONE)</b></p> <p><input type="checkbox"/> I hereby certify that the facility and operations are in compliance with the Special Approvals and Conditions identified in the permit.</p> <p><input type="checkbox"/> The facility and operations are <b>not</b> in compliance with the Special Approvals and Conditions identified in the permit. An explanation is attached.</p> <p><input type="checkbox"/> There are no Special Approvals and Conditions requirements identified in the permit.</p> | <p><b>E. REPORTING REQUIREMENTS (CHECK ALL THAT APPLY)</b></p> <p><input type="checkbox"/> Copies of O&amp;M Logs are attached as required.</p> <p><input type="checkbox"/> Copies of the manifests/receipts for off-haul of process liquids, sludges or solids or hazardous wastes are attached as required.</p> <p><input type="checkbox"/> Production data is attached as required for the date(s) of sampling.</p> <p><input type="checkbox"/> pH recorder tape/chart is attached as required.</p> <p><input type="checkbox"/> Flow recorder tape/chart is attached as required.</p> |
| <p><b>C. ZERO DISCHARGE OPERATIONS (CHECK ONE)</b></p> <p><input type="checkbox"/> I hereby certify that the facility and operations are in compliance with the Zero Discharge Operations identified in the permit.</p> <p><input type="checkbox"/> The facility and operations are <b>not</b> in compliance with the Zero Discharge Operations identified in the permit. An explanation is attached.</p> <p><input type="checkbox"/> There are no Zero Discharge Operations requirements identified in the permit.</p>                               | <p><b>Flow Monitoring Data for the Dates of Sampling: (CHECK ALL THAT APPLY)</b></p> <p><input type="checkbox"/> Process discharge flow meter totalizer readings as required:<br/>Start: _____ End: _____</p> <p><input type="checkbox"/> Process water meter totalizer readings as required:<br/>Start: _____ End: _____</p> <p><input type="checkbox"/> Flow monitoring data is not required during this reporting period.</p>                                                                                                                                                         |

**F. COMPLIANCE SAMPLING AND MONITORING**

**Compliance Sampling Information (CHECK ONE):** (Attach additional sheets for additional sampling information).

- Compliance sampling is not required during this reporting period.
- The original analysis reports and chain of custody are attached. The report includes: State certified laboratory name, address, and telephone number; reporting limits; units; QA/QC data; and the date and time of all samples.

**Sampling performed by:**

(name, company, phone no)

| Sampling Locations | Sampling Start Date/Time | Sampling End Date/Time | No Discharge at Location* |
|--------------------|--------------------------|------------------------|---------------------------|
|                    |                          |                        |                           |
|                    |                          |                        |                           |
|                    |                          |                        |                           |
|                    |                          |                        |                           |

\*Check "No Discharge" box if no discharge occurred at sampling location during this reporting period.

**Total Toxic Organics (TTO) Certification (CHECK ONE)**

**Yes**    **No** – Does facility have an approved TTO Management Plan on file? If yes, sign certification below. If no, leave blank.

Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation and/or pretreatment standard for Total Toxic Organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the public sewer system has occurred since the filing of the last compliance report. I further certify that this facility is implementing the TTO Management Plan submitted to, and approved by, the Central Contra Costa Sanitary District.

\_\_\_\_\_  
Signature of Authorized Representative<sup>1</sup>

\_\_\_\_\_  
Title & Company

\_\_\_\_\_  
Date

**CCCSO LIST OF TOTAL TOXIC ORGANIC (TTO) POLLUTANTS  
SUBJECT TO TTO LOCAL LIMIT OR TTO MANAGEMENT PLAN**

The District's Local Discharge Limits include a parameter called Total Toxic Organics (TTO) with a limit set at 2.10 mg/L. The EPA has created a list of priority organic pollutants which cumulatively make up the District's TTO parameter. The analysis methods set forth in 40 CFR Part 136, Methods 624, 625, and 608, provide data on the TTO constituents. Method 608 may not always be required. Unless specifically required, Method 1613 for dioxin compounds is not mandatory for routine analysis of TTO constituents. The constituents with concentrations greater than 0.01 mg/L must be added together to determine compliance with the District's Local Discharge Limit for TTO. Following is a list of the constituents of TTO:

**METHOD 624**

Acrolein  
Acrylonitrile [2-propenenitrile]  
Benzene  
Bromoform  
    [tribromomethane]  
Carbon tetrachloride  
    [tetrachloromethane]  
Chlorobenzene  
Chlorodibromomethane  
Chloroethane  
2-Chloroethyl vinyl ether  
    (mixed)  
Chloroform  
    [trichloromethane]  
1,2-Dichlorobenzene  
1,3-Dichlorobenzene  
1,4-Dichlorobenzene  
Dichlorobromomethane  
1,1-Dichloroethane  
1,2-Dichloroethane  
1,1-Dichloroethylene  
1,2-Dichloropropane  
1,3-Dichloropropylene  
    [1,3-dichloropropene]  
1,2-*trans*-Dichloroethylene  
    [1,2-*trans*-dichloroethene]  
Ethylbenzene  
Methyl bromide  
    [bromomethane]  
Methyl chloride  
    [chloromethane]  
Methylene chloride  
    [dichloromethane]  
Styrene  
1,1,1,2-Tetrachloroethane  
Tetrachloroethylene  
    [perchloroethylene,  
    tetrachloroethene]  
Toluene  
1,1,1-Trichloroethane  
1,1,2-Trichloroethane  
Trichloroethylene  
    [Trichloroethene]  
Vinyl chloride  
    [Chloroethylene]

**METHOD 625**

Acenaphthene  
Acenaphthylene  
Anthracene  
1,2-Benzanthracene  
    [benzo(a)anthracene]  
Benzidine  
3,4-Benzofluoranthene  
    [benzo(b)fluoranthene]  
11,12-Benzofluoranthene  
    [benzo(k)fluoranthene]  
1,12-Benzoperylene  
    [benzo(g,h,i)perylene]  
3,4-Benzopyrene  
    [benzo(a)pyrene]  
bis(2-Chloroethoxy) methane  
bis(2-Chloroethyl) ether  
bis(2-Chloroisopropyl) ether  
bis(2-Ethylhexyl) phthalate  
4-Bromophenyl phenyl ether  
Butyl benzyl phthalate  
4-Chloro-3-methylphenol  
    [*para*-chloro-*meta*-cresol]  
2-Chloronaphthalene  
2-Chlorophenol  
4-Chlorophenyl phenyl ether  
Chrysene  
1,2,5,6-Dibenzanthracene  
    [dibenzo(a,h)anthracene]  
3,3'-Dichlorobenzidine  
2,4-Dichlorophenol  
Diethyl phthalate  
2,4-Dimethylphenol  
Dimethyl phthalate  
Di-n-butyl phthalate  
4,6-Dinitro-*ortho*-cresol [4,6-  
    dinitro-2-methylphenol]  
2,4-Dinitrophenol  
2,4-Dinitrotoluene  
2,6-Dinitrotoluene  
Di-n-octyl phthalate  
1,2-Diphenylhydrazine  
Fluoranthene  
Fluorene  
Hexachlorobenzene  
Hexachlorobutadiene  
Hexachlorocyclopentadiene

Hexachloroethane  
Indeno(1,2,3-c,d)pyrene  
    [2,3-*o*-phenylene pyrene]  
Isophorone  
Naphthalene  
Nitrobenzene  
2-Nitrophenol  
4-Nitrophenol  
N-Nitrosodimethylamine  
N-Nitroso-di-n-propylamine  
N-Nitrosodiphenylamine  
Pentachlorophenol  
Phenanthrene  
Pyrene  
1,2,4-Trichlorobenzene  
2,4,6-Trichlorophenol

**METHOD 608**

Aldrin  
Alpha-BHC  
Alpha-endosulfan  
Beta-BHC  
Beta-endosulfan  
Chlordane (technical mixture  
    and metabolites)  
4,4'-DDD [p,p'-TDE]  
4,4'-DDT [p,p'-DDT]  
Delta-BHC  
Endosulfan sulfate  
Endrin  
Endrin aldehyde  
Gamma-BHC [lindane]  
Heptachlor  
Heptachlor epoxide  
Toxaphene

**CENTRAL CONTRA COSTA SANITARY DISTRICT**  
**LOCAL DISCHARGE LIMITS\***  
 Effective 9/1/07

| <b>Pollutant</b>                               | <b>DISCHARGE LIMITATION**</b> | <b>LIMIT APPLIES TO:</b>   |
|------------------------------------------------|-------------------------------|----------------------------|
| Antimony (Sb)                                  | 5.0                           | All Industrial Users (IUs) |
| Arsenic (As)                                   | 0.8                           | All IUs                    |
| Cadmium (Cd)                                   | 0.3                           | All IUs                    |
| Chromium (Cr(T))                               | 1.5                           | All IUs                    |
| Copper (Cu)                                    | 0.9                           | Permitted IUs              |
|                                                | 0.04                          | Unpermitted IUs            |
| Lead (Pb)                                      | 0.4                           | Permitted IUs              |
|                                                | 0.001                         | Unpermitted IUs            |
| Mercury (Hg)                                   | 0.003                         | Permitted IUs              |
|                                                | 0.0001                        | Unpermitted IUs            |
| Nickel (Ni)                                    | 3.0                           | All IUs                    |
| Selenium (Se)                                  | 0.3                           | All IUs                    |
| Silver (Ag)                                    | 1.0                           | All IUs                    |
| Zinc (Zn)                                      | 4.5                           | All IUs                    |
| Cyanide (CN)                                   | 0.5                           | Permitted IUs              |
|                                                | Prohibition                   | Unpermitted IUs            |
| Phenol                                         | 10.0                          | All IUs                    |
| pH (Instantaneous limits)                      | 5.5 – 11.5 units              | All IUs                    |
| Oil & Grease - Mineral                         | 100                           | All IUs                    |
| Oil & Grease - Animal & Vegetable              | 300                           | All IUs                    |
| Total Toxic Organics (TTO) (see separate list) | 2.10                          | All IUs                    |

| <b>Special Limitations for Groundwater Remediation Projects*:</b> |      |
|-------------------------------------------------------------------|------|
| Benzene, Toluene, Ethylbenzene & Xylene (BTEX)                    | 1.0  |
| Total Petroleum Hydrocarbons (TPH)                                | 10.0 |

\* More stringent limits may apply for industries subject to National Categorical Pretreatment Standards.  
 \*\* Expressed in mg/L unless otherwise noted. Limits are daily maximum limits unless otherwise specified.

| <b>Pollutant Parameters with Alternative Control Strategies</b> |                           |
|-----------------------------------------------------------------|---------------------------|
| <b>Pollutant</b>                                                | <b>Control Strategy</b>   |
| Chlorpyrifos                                                    | Best Management Practices |
| Diazinon                                                        | Best Management Practices |
| Dieldrin                                                        | Discharge Prohibition     |
| Dioxin compounds                                                | Discharge Prohibition     |
| 4,4'-DDE                                                        | Discharge Prohibition     |
| PCBs                                                            | Discharge Prohibition     |
| Perchloroethylene (PCE) from dry cleaning                       | Discharge Prohibition     |
| Tributyltin                                                     | Discharge Prohibition     |

| <b>The following parameters are established in General Discharge Prohibitions of Title 10:</b> |                       |
|------------------------------------------------------------------------------------------------|-----------------------|
| Radioactivity                                                                                  | Refer to 10CFR20.2003 |
| Closed-Cup Flashpoint (test method 40CFR Part 261.21)                                          | 140°F (60°C)          |
| Lower Explosive Limit (LEL)                                                                    |                       |
| 2 Successive Readings                                                                          | 5%                    |
| Single Reading                                                                                 | 10%                   |
| Temperature                                                                                    | 150°F (65°C)          |

**CENTRAL CONTRA COSTA SANITARY DISTRICT  
Industrial User Permit Appendix**

**This Appendix contains:**

- A. Compliance Schedule
- B. Special Approvals and Conditions
- C. Zero Discharge Operations
- D. Operation and Maintenance Log Requirements
- E. Reporting Requirements
- F. Compliance Sampling and Monitoring Requirements
- G. Facility Diagram/Sampling Location/Discharge Location
  - Site Plan for 2800 Mitchell Drive
  - Floor Plan Building 100
  - Floor Plan Building 310
  - Floor Plan Building 400
  - Floor Plan Building 500
- CCCSD Local Discharge Limits/List of Total Toxic Organic Pollutants
- Periodic Compliance Report (PCR) Form
- National Categorical Pretreatment Standards: Information for Industrial Users
- Summary of Enforcement - Title 10: Chapter 10.16 of District Code
- Determination of Significant Non-Compliance
- CCCSD Guidelines for Preparing an SDPC Plan
- CCCSD General Discharge Prohibition

### **A. Compliance Schedule**

| <b>Required Action</b>                                                                                                                                                                                                                                            | <b>Due Date</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1. Review and update the facility diagram. Submit the facility diagram to the District.                                                                                                                                                                           | March 31, 2016  |
| 2. Review and update the Slug Discharge Prevention and Contingency (SDPC) Plan in accordance with CCCSD Guidelines (see Appendix). At a minimum, update the contact information for the current facility personnel. Submit the updated SDPC Plan to the District. | March 31, 2016  |

The Industrial User may submit a written request for an alternative compliance schedule in advance of the due date if necessary.

### **B. Special Approvals and Conditions**

1. Implement BMPs developed to protect sanitary sewer drains from the discharge of prohibited or restricted materials.
2. Conduct inspections of laboratory and process areas of the facility to ensure the BMPs referenced in Appendix B #1 are being followed and are effective in controlling discharges of chemicals to the sanitary drains. These inspections shall be conducted on an established schedule.

### **C. Zero Discharge Operations**

1. The non-Categorical processes listed on the second page of this permit are zero discharge at the facility. Discharger shall use appropriate controls to ensure that wastewater generated from these zero discharge processes is not discharged to the sanitary sewer. The other non-Categorical processes listed on the second page of this permit can be discharged to the sanitary sewer.
2. Failure to prevent the discharge of wastewater from processes identified as zero discharge to the sanitary sewer may result in permit type reclassification, resulting in the assessment of applicable permit fees and requirement to conduct/increase wastewater sampling and/or monitoring. The Discharger's response to this condition (e.g. notification to the District, actions taken in response to an event, actions taken in response to process discharge) shall be taken into consideration in this reclassification decision.

### D. Operation & Maintenance Log Requirements

| Activity to be Logged                                                                                                                                                                                                  | Frequency                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 1. Use the existing hazardous waste accumulation system to record volume and location of hazardous waste stored at the waste accumulation areas and transferred to one of the regulated hazardous waste storage areas. | As performed                   |
| 2. Record findings for the inspections conducted under Appendix B # 2 above. Include corrective actions taken in response to a finding that documents deviation from the specified BMP.                                | As performed, at least monthly |
| 3. Log batch discharges of wastewater from the water recirculation system in the Plant Science Laboratory to the sanitary sewer, including date, time, duration and volume of discharge.                               | As performed                   |
| 4. Record the handling, monitoring, and disposal of all process liquids, sludges, solids, and hazardous wastes.                                                                                                        | As performed                   |

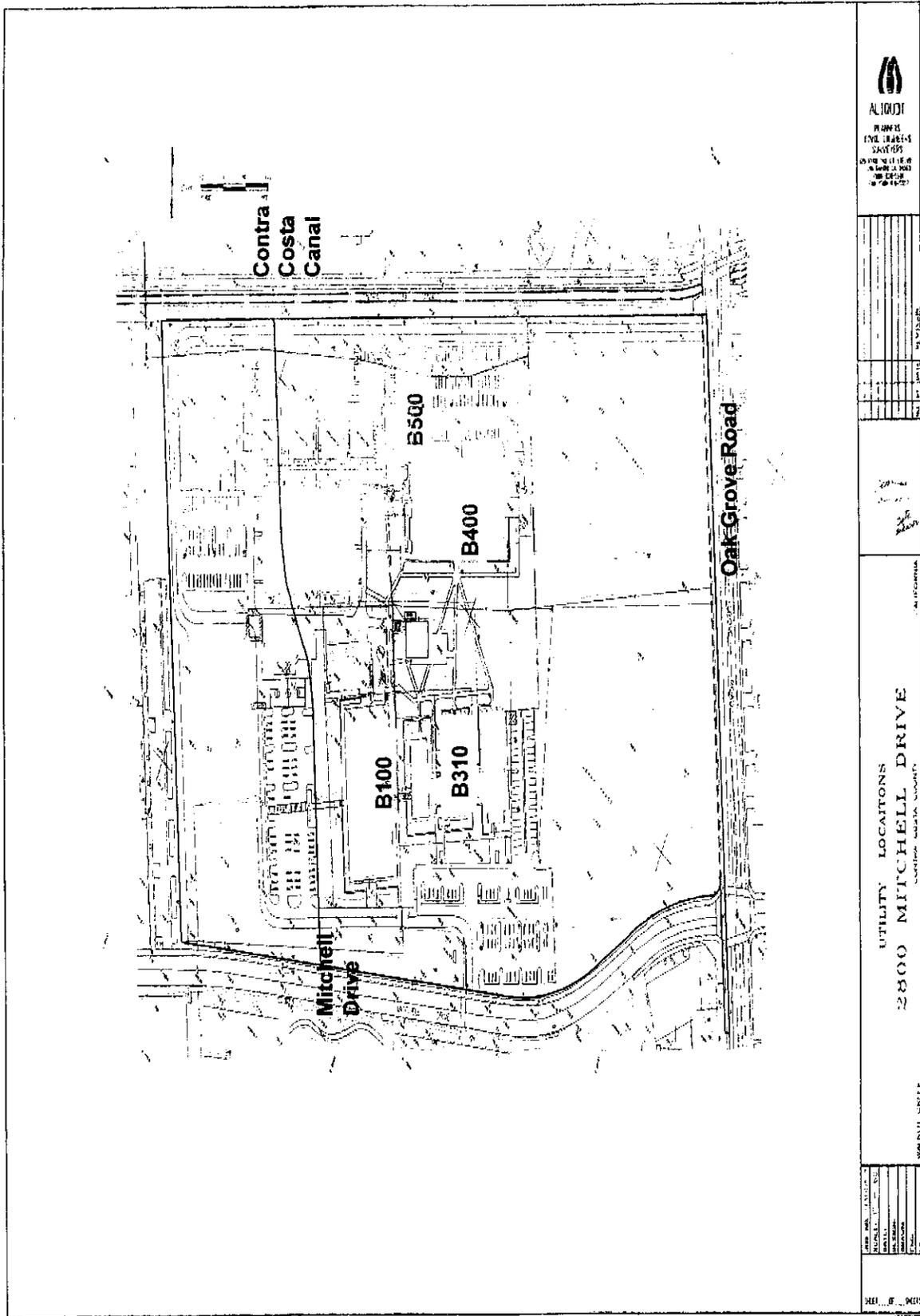
Each O&M Log entry shall include the date and operator's initials.

### E. Reporting Requirements

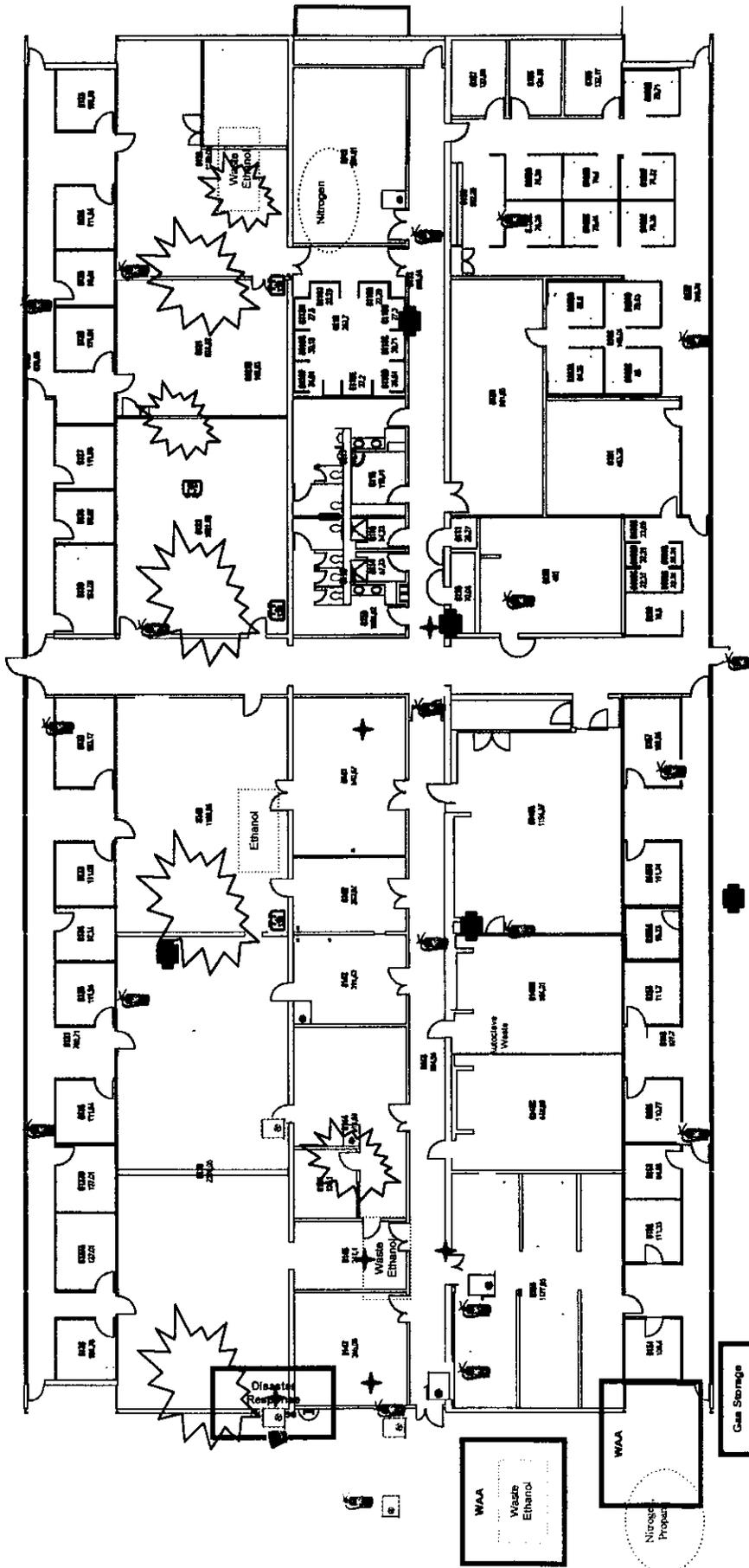
| Required Reporting                                                                                                                                                   | Frequency                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 1. Periodic Compliance Report (PCR) - see Appendix for form<br>-for the reporting period January 1 to June 30<br><br>-for the reporting period July 1 to December 31 | Submit no later than July 31<br><br>Submit no later than January 31 |
| 2. Copies of the required Operations and Maintenance (O&M) Logs for the reporting period.                                                                            | Submit with the PCR                                                 |
| 3. Receipts and manifests for off-haul or recycle of all process liquids, sludges, solids, and hazardous wastes during the reporting period.                         | Submit with the PCR                                                 |
| 4. Any discharge analysis data obtained during the reporting period by EPA approved methods.                                                                         | Submit with the PCR                                                 |

| <b>F. Compliance Sampling and Monitoring Requirements</b> |                            |
|-----------------------------------------------------------|----------------------------|
| <b>Sampling Requirements:</b> <sup>1</sup>                | No additional requirements |
| <b>Monitoring Requirements:</b>                           | No additional requirements |

<sup>1</sup> As specified in District Code Section 10.12.060.C: All samples shall be preserved and analyzed in accordance with the procedures presented the Code of Federal Regulations, Title 40, Part 136 (Guidelines Establishing Test Procedures for the Analysis of Pollutants).



**G. Facility Diagram /**  
**DISCHARGE PREVENTION AND CONTINGENCY (SDPC) PLAN (3/14)**  
**Sampling Location /**  
**Discharge Location**



UNIVERSITY OF CALIFORNIA  
LAWRENCE BERKELEY NATIONAL LABORATORY  
**FACILITIES DIVISION**

ASBUILT CONDITION KEYPLAN

date: 4-11-2010  
update: CAFM

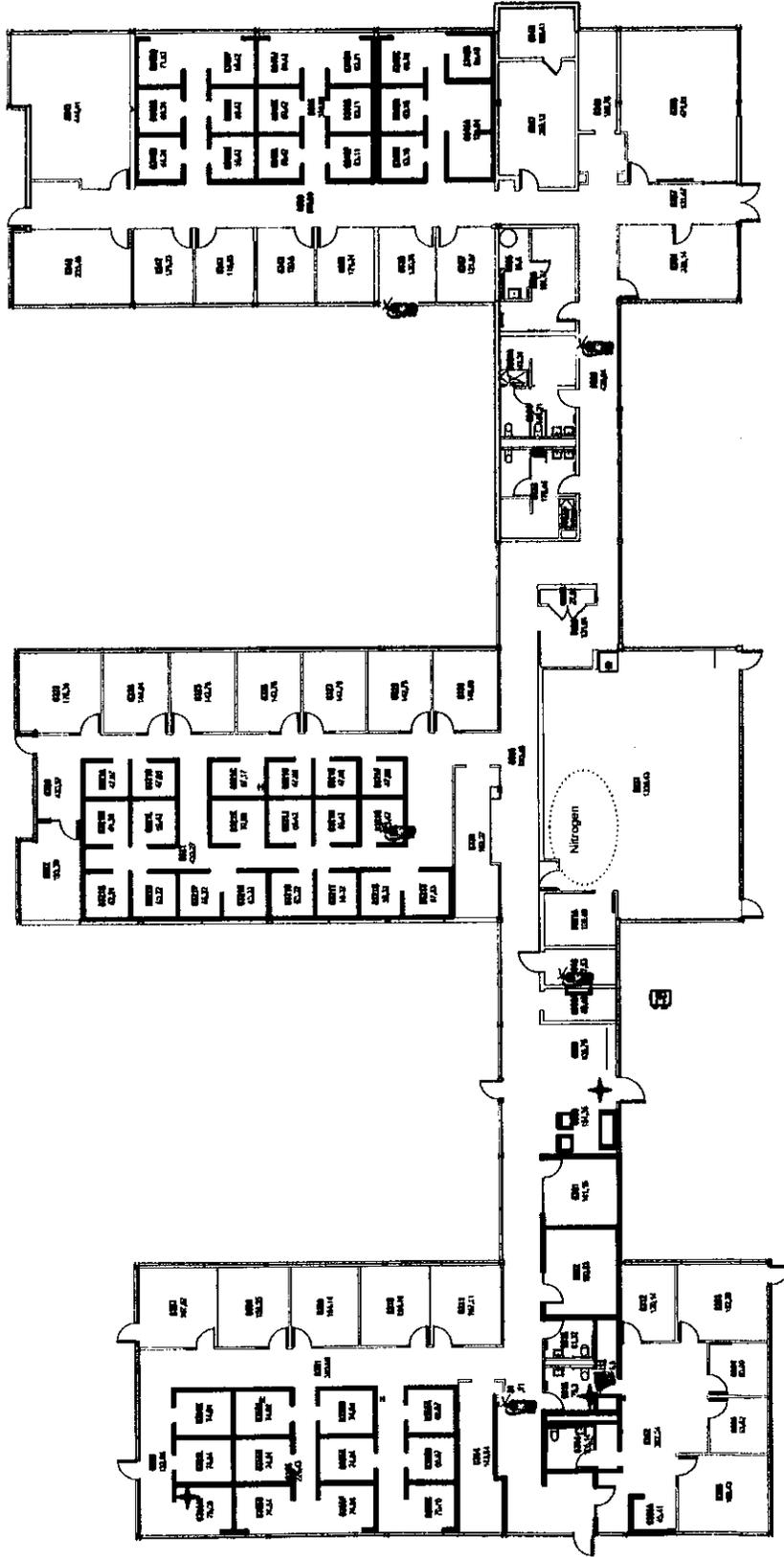
**100-1**  
1 of 3

**LEGEND**

|       |                                              |
|-------|----------------------------------------------|
| +     | Emergency response/<br>First Aid kit(s)      |
| ☒     | Fire extinguisher                            |
| ☒ / ☒ | Emergency Eyewash &<br>Shower / Eyewash Unit |
| ☒     | Phenol Spill Cleanup Kit                     |
| ☒     | Hazardous materials<br>handling area         |

**G. Facility Diagram /**  
**Sampling Location /**  
**Discharge Location**

Page 22 of 23



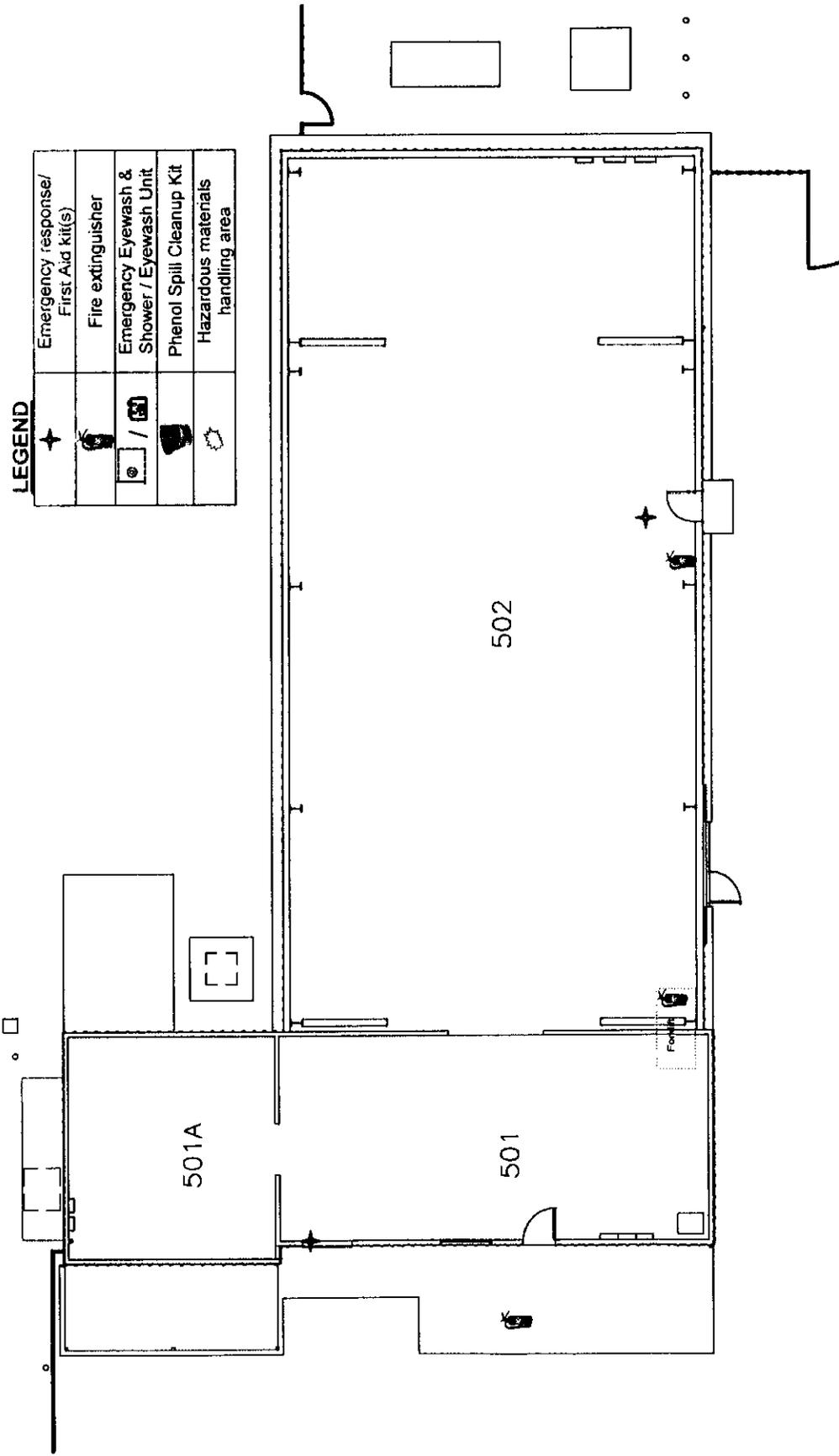
|                                                                                                 |                                                                                                                              |                                                           |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| UNIVERSITY OF CALIFORNIA<br>LAWRENCE BERKELEY NATIONAL LABORATORY<br><b>FACILITIES DIVISION</b> | <br><b>ASBUILT CONDITION<br/>KEYPLAN</b> | <b>310-1</b><br>date: 4/11/2010<br>update: CAFM<br>1 of 1 |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|

**LEGEND**

|                                                                                     |                                              |
|-------------------------------------------------------------------------------------|----------------------------------------------|
| +                                                                                   | Emergency response/<br>First Aid kit(s)      |
|  | Fire extinguisher                            |
|  | Emergency Eyewash &<br>Shower / Eyewash Unit |
|  | Phenol Spill Cleanup Kit                     |
|  | Hazardous materials<br>handling area         |

**G. Facility Diagram /**  
 JGI SLUG DISCHARGE PREVENTION AND CONTINGENCY (SDPC) PLAN [3/14]  
**Sampling Location /**  
**Discharge Location**





|                                                                                                 |                                                                                       |                               |                     |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------|---------------------|
| UNIVERSITY OF CALIFORNIA<br>LAWRENCE BERKELEY NATIONAL LABORATORY<br><b>FACILITIES DIVISION</b> |  | date: 3/1/2005<br>update: NLP | <b>500-1</b> 1 of 1 |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------|---------------------|