



Environmental Compliance 101:

A COMPREHENSIVE INTRODUCTION TO ENVIRONMENTAL, HEALTH & SAFETY
REQUIREMENTS AND COMPLIANCE STRATEGIES

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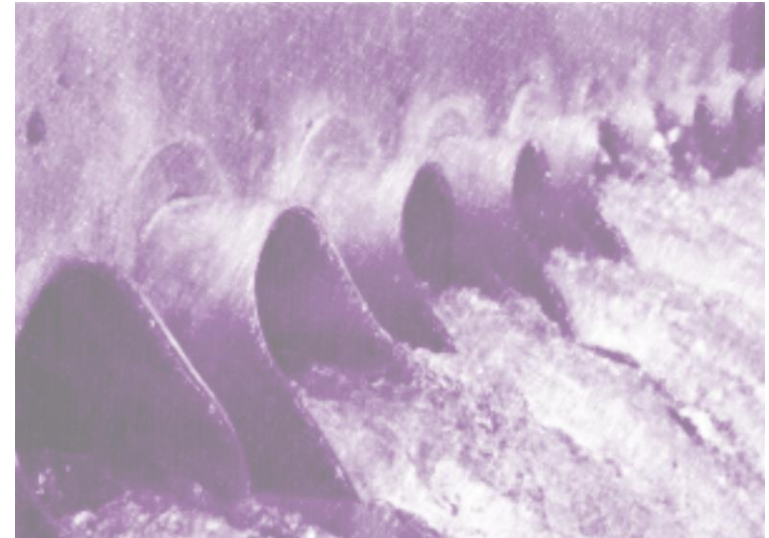
Regulatory compliance issues

- ▶ Air quality
- ▶ Hazardous materials
- ▶ Hazardous waste
- ▶ Proposition 65
- ▶ Stormwater
- ▶ Wastewater



Wastewater

- ▶ Permits
- ▶ Discharge limits
- ▶ Monitoring
- ▶ Reporting
- ▶ Waste minimization



Regulatory structure

- ▶ USEPA
- ▶ Cal-EPA
- ▶ State Water Resources Control Board
 - ▶ Regional Water Quality Control Boards (9)
- ▶ Regional/local POTW

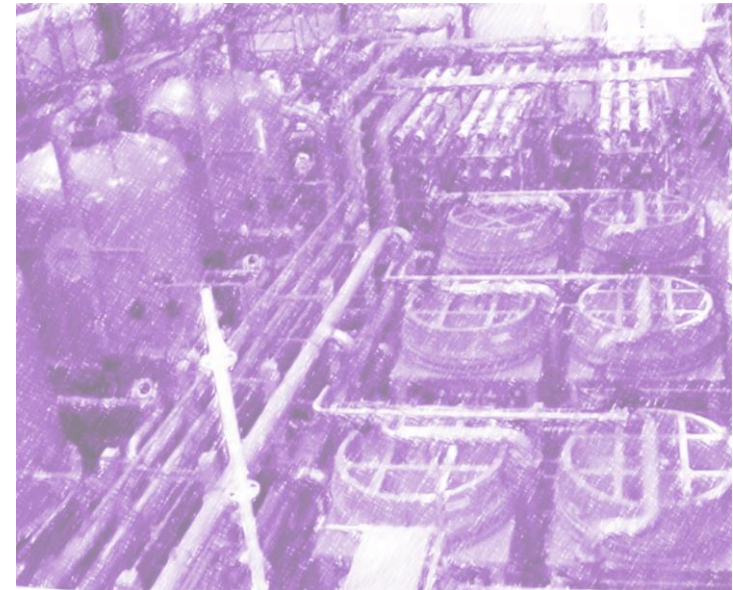


Regulated Activities

- ▶ Domestic vs non-domestic discharges
- ▶ Industrial wastewater discharges
 - ▶ Mash Tun rinsing
 - ▶ Lauter Tun rinsing
 - ▶ Spent grain washing
 - ▶ Boil kettle dewatering
 - ▶ Whirlpool rinsing spent hops and hot trub
 - ▶ Fermenter rinsing
 - ▶ Storage tank rinsing
 - ▶ Filtration cleaning
 - ▶ Beer spills
 - ▶ Bottle washing
 - ▶ Keg washing
 - ▶ General cleaning and sanitation

Requirements

- ▶ Permits
- ▶ Treatment
- ▶ Discharge limits/prohibitions
- ▶ Flow limits
- ▶ Surcharges
- ▶ Monitoring/reporting



Permits

- ▶ New permits
- ▶ Permit modifications



CITY OF HAYWARD
DEPARTMENT OF PUBLIC WORKS
SECTION I. APPLICATION

Wastewater Discharge Permit Application
Part A – Applicant Information

PERMIT NUMBER: _____

A1. Applicant Business Name: _____

A2. Address of person or discharging wastewater:
Street: _____
City: _____ Zip: _____ Phone: _____

Parent Company: _____
Contact Person: _____
State: _____ Zip: _____ Phone: _____

Business: _____
Address: _____
City: _____ State: _____ Unit # _____
Phone: _____

If absent from Question #1:
Address: _____
City: _____ State: _____ Unit # _____
Phone: _____

Business/Organization: _____
Contact person: _____
Phone No. (_____) _____ Ext. _____
Address: _____
E-mail: _____

4. Vehicle Washing:
a. Do you wash vehicles on site? Yes ___ No ___
b. If yes, how many vehicles per week? _____
c. If yes, where is the wash water discharged? _____
d. If your answer to Question C is "Other" describe where the wash water is discharged: _____

5. If your answer to Question C is "Sanitary Sewer" can rainwater enter the drain? Yes ___ No ___
6. If your answer to Question E is "Part", do you have a two-way valve? (e.g. wash water discharged to sewer, rainwater to storm drain) Yes ___ No ___

In case of emergency:
Night Phone: _____ Pager: _____ Cell Phone: _____
Title: _____
Date: _____

Print Name: _____ Title: _____

INDUSTRIAL WASTEWATER DISCHARGE PERMIT SURVEY/APPLICATION
DEPARTMENT OF ENVIRONMENTAL SERVICES
CITY AND COUNTY OF HAWAII
2000 ULIUOLA STREET, SUITE 400, HONOLULU HI 96807
ATTN: REGULATORY CONTROL, HAWAII
Phone: 808/535-3282 Fax: 808/535-1597

Read that Section I.B.1, Paragraph (1) of the Revised Ordinances of Honolulu, as amended, states: "No person shall discharge or cause to be discharged any industrial wastewater into the public sewers or into any private sewer which discharges to the public sewers, without first applying for and obtaining an industrial wastewater discharge permit." Please answer all questions. Indicate "NA" if the question does not apply to your business. If you have any questions please call: (808) 764-3362.

DO NOT USE THIS FORM FOR BUILDING PERMIT PROJECTS

PART I - ORGANIZATION

1. Business Information:
Parent Company Name: _____
Doing Business As: _____
Street Address (address of discharge to sewers): _____
City: _____ Unit # _____
Tax Map Key: _____ Zip Code: _____

2. Permit Mailing Address:
(If different from Question #1)
Company: _____
Street: _____
City: _____ State: _____ Unit # _____

3. Permittee Information:
(Permittee is the party or individual responsible for compliance with this permit for the duration of the permit. This could be the property owner, property manager, leasee, the business, etc.)
Business/Organization: _____
Contact person: _____
Phone No. (_____) _____ Ext. _____
Address: _____
E-mail: _____

4. Vehicle Washing:
a. Do you wash vehicles on site? Yes ___ No ___
b. If yes, how many vehicles per week? _____
c. If yes, where is the wash water discharged? _____
d. If your answer to Question C is "Other" describe where the wash water is discharged: _____

5. Business/Description:
(Describe the business operation for Question #1. Examples: drug store with photo processing, restaurant, food court with a shopping center, auto repair shop, fish market, grocery store, doctor's office with a ray, wholesale or retail bakery, etc.)
a. Business Hours: _____ a.m. to _____ p.m.
b. Open how many days per week? _____
c. Name of business previously at this location: _____
d. If you relocated, list your previous address: _____

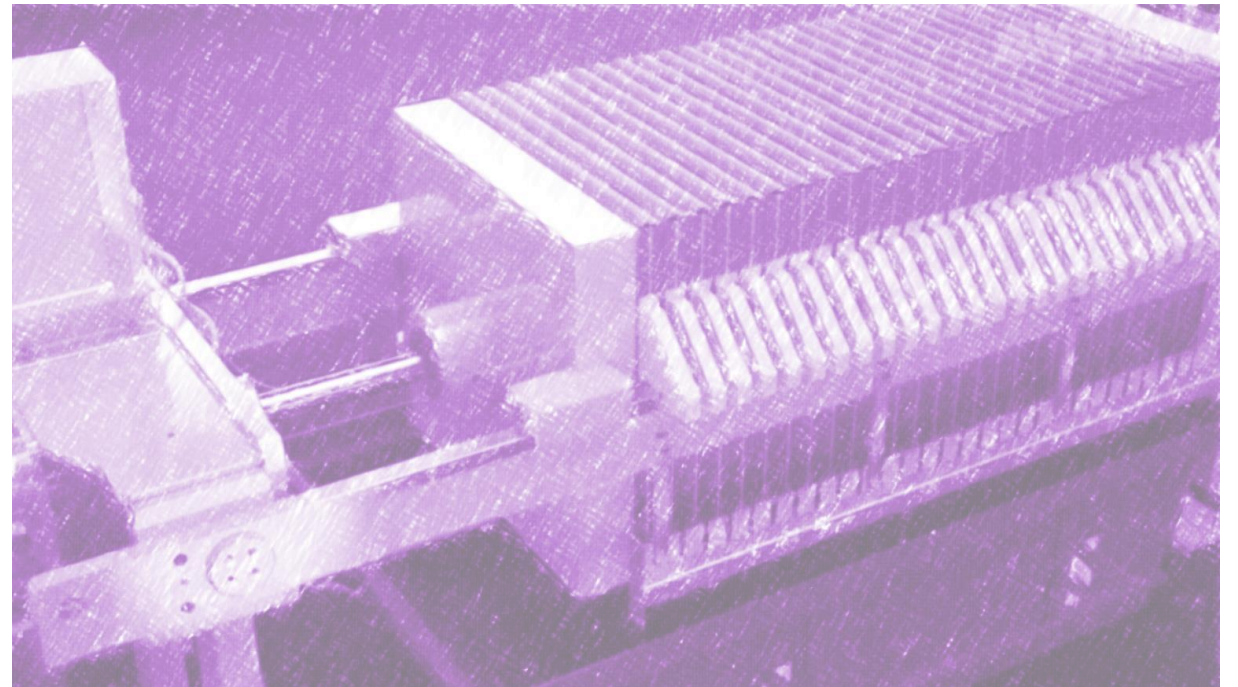
6. For Businesses With Food Preparation:
a. Do you cook, prepare, package, process or serve fish, shell or grain (FOG) containing food or food items, preparation, processing or packaging of food items? Yes ___ No ___
b. How many times per day, week and how do you wash daily (not counting the pots or coffee pots)?
c. How many pieces of cooking equipment do you wash daily?
d. Maximum cooking capacity: _____

7. What is the Nature of the Industrial Wastewater Discharge?
Examples: washing pens and pans, deburring, manufacturing, vehicle washing, product manufacturing, photo/xy-ray development, chemical discharge, etc.)

(CONTINUED ON REVERSE SIDE)

Treatment

- ▶ pH adjustment
 - ▶ Filtration
 - ▶ Settling
 - ▶ DAF
-
- ▶ Additional regulatory requirements
(Tiered permitting)



Discharge limits/prohibitions

- ▶ Concentration
- ▶ Flow
- ▶ Prohibitions

pH	Local	Grab		6.0 S.U.		
Flash Point	Federal	Composite		60 Deg. C		
Flash Point	Federal	Grab		60 Deg. C		
Flash Point	Local	Composite		60 Deg. C		
Flash Point	Local	Grab		60 Deg. C		
Temperature	Local	Grab	140 Deg. F			
Solids, Total Dissolved			No Limit			
Ammonia Nitrogen	Federal	Composite			52.1 mg/L	22.9 mg/L
Total Cyanide	Federal	Grab			0.11 mg/L	0.05 mg/L
Total Cyanide	Local	Composite	10 mg/L			
Total Cyanide	Local	Grab	10 mg/L			
Sulfide, Soluble Chloride	Local	Grab	0.1 mg/L			
Fluoride	Federal	Composite			23.3 mg/L	10.3 mg/L
Arsenic, Total	Local	Composite	3 mg/L			
Arsenic, Total	Local	Grab	3 mg/L			
Cadmium, Total	Local	Composite	15 mg/L			
Cadmium, Total	Local	Grab	15 mg/L			
Chromium, Total	Local	Composite	10 mg/L			
Chromium, Total	Local	Grab	10 mg/L			
Copper, Total	Local	Composite	15 mg/L			
Copper, Total	Local	Grab	15 mg/L			
Lead, Total	Federal	Composite			0.16 mg/L	0.08 mg/L
Lead, Total	Local	Composite	40 mg/L			
Lead, Total	Local	Grab	40 mg/L			
Mercury, Total	Local	Composite	2 mg/L			
Mercury, Total	Local	Grab	2 mg/L			
Nickel, Total	Local	Composite	12 mg/L			
Nickel, Total	Local	Grab	12 mg/L			
Silver, Total	Local	Composite	5 mg/L			
Silver, Total	Local	Grab	5 mg/L			
Zinc, Total	Federal	Composite			0.57 mg/L	0.23 mg/L
Zinc, Total	Local	Composite	25 mg/L			
Zinc, Total	Local	Grab	25 mg/L			
Aldrin	Local	Composite	10 ug/L			
Aldrin	Local	Grab	10 ug/L			
Dieldrin	Local	Composite	10 ug/L			
Dieldrin	Local	Grab	10 ug/L			
Endrin	Local	Composite	10 ug/L			
Endrin	Local	Grab	10 ug/L			
Toxaphene	Local	Composite	10 ug/L			
Toxaphene	Local	Grab	10 ug/L			
Total HCH	Local	Composite	10 ug/L			
Total HCH	Local	Grab	10 ug/L			
Total Detected Chlordanes	Local	Composite	10 ug/L			
Total Detected Chlordanes	Local	Grab	10 ug/L			
Total Detectable DDT	Local	Composite	10 ug/L			
Total Detectable DDT	Local	Grab	10 ug/L			
Total Detectable PCBs	Local	Composite	10 ug/L			
Total Detectable PCBs	Local	Grab	10 ug/L			

** Indicates a 4 Day Average Limit

Surcharges

- ▶ Constituents of concern
- ▶ Costs

Monitoring and reporting

- ▶ Constituents
- ▶ Self-monitoring
- ▶ Agency monitoring
- ▶ Frequency
- ▶ Reporting methods
- ▶ Report certifications

For Questions and additional information:

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