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San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8418 FAX (909) 386-8460

ONSITE TIERED PERMITTING
CONDITIONALLY AUTHORIZED (CA) PAGE
WASTE AND TREATMENT PROCESS COMBINATIONS
(one page per treatment unit - check all that apply)

I. FACILITY IDENTIFICATION

Form with fields for FACILITY ID #, BUSINESS NAME, BUSINESS ADDRESS, CITY, ZIP CODE, and UNIT ID #.

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- 1. Aqueous wastes, hazardous solely due to inorganic constituents, except asbestos, listed in Title 22, CCR, Section 66261.24(a)(1)(B) or (a)(2)(A) and which contain less than 1,400 ppm total of these constituents. (There is no volume limit for this wastestream.) Treatment using:
a. Phase separation, including precipitation, by filtration, centrifugation or gravity settling, including the use of demulsifiers and flocculants.
b. Ion exchange, including metallic replacement.
c. Reverse osmosis.
d. Adsorption.
e. pH adjustment of aqueous waste with a pH between 2.0 and 12.5.
f. Electrowinning of solutions, unless those solutions contain hydrochloric acid.
g. Reduction of solutions hazardous solely due to hexavalent chromium, to trivalent chromium with sodium bisulfite, sodium metabisulfite, sodium thiosulfate, ferrous chloride, ferrous sulfate, ferrous sulfide or sulfur dioxide. The solution contains less than 750 ppm of hexavalent chromium.
2. Aqueous wastes, hazardous solely due to organic constituents listed in Title 22, CCR, Section 66261.24(a)(1)(B) or (2)(B) and which contain less than 750 ppm total of these constituents. (There is no volume limit for this wastestream.) Treatment using:
a. Phase separation by filtration, centrifugation or gravity settling, but excluding super critical fluid extraction.
b. Adsorption.
3. Sludges resulting from wastewater treatment, dusts, solid metal object and metal working which are hazardous solely due to the presence of constituents, except asbestos, listed in Title 22, CCR, Section 66261.24(a)(1)(B) or (a)(2)(A) and which, for dusts only, contain less than 750 ppm total of these constituents. The monthly volume treated in this unit does not exceed 5,000 gallons or 45,000 pounds. Treatment using:
a. Physical processes which constitute treatment only because they change the physical properties of the waste such as filtration, centrifugation, gravity settling, grinding, shredding, crushing or compacting.
b. Drying to remove water.
c. Separation based on differences in physical properties such as size, magnetism or density.
4. Alum, gypsum, lime, sulfur or phosphate sludge. The monthly volume treated in this unit does not exceed 5,000 gallons or 45,000 pounds. Treatment using:
a. Drying to remove water
b. Phase separation by filtration, centrifugation or gravity settling.
5. Special wastes listed in Title 22, CCR, Section 66261.120 that meet the criteria listed in Title 22, CCR, Section 66261.122 which is hazardous solely due to the constituents, except asbestos, listed in Title 22, CCR, Section 66261.24(a)(1)(B) or (a)(2)(A) and which contain less than 750 ppm of the constituents. The monthly volume treated in this unit does not exceed 5,000 gallons or 45,000 pounds. Treatment using:
a. Drying to remove water.
b. Phase separation by filtration, centrifugation or gravity settling.
c. Screening to separate components based on size.
d. Separation based on differences in physical properties such as size, magnetism or density.
6. Special wastes classified under Title 22, CCR, Section 66261.124 as special wastes, except asbestos, which is hazardous solely due to the constituents, except asbestos, listed in Title 22, CCR, Section 66261.24(a)(1)(B) or (a)(2)(A) and which contain less than 750 ppm total of these constituents. The monthly volume treated in this unit does not exceed 5,000 gallons or 45,000 pounds. Treatment using:
a. Drying to remove water.
b. Phase separation by filtration, centrifugation or gravity settling.
c. Magnetic separation.
7. Soils contaminated with metals listed in Title 22, CCR, Section 66261.24(a)(2)(A). The monthly volume treated in this unit does not exceed 5,000 gallons or 45,000 pounds. Treatment using:
a. Screening to separate components based on size
b. Magnetic separation.
8. Oil mixed with water and oil/water separation sludges. (There is no volume limit for this wastestream.) Treatment using:
a. Phase separation by filtration, centrifugation or gravity settling, but excluding super critical fluid extraction, including the use of demulsifiers and flocculants. Heat can be used, but must not exceed 160 degrees Fahrenheit
b. Separation based on differences in physical properties such as size, magnetism or density.
c. Reverse osmosis.
9. Neutralization of acidic or alkaline wastes, hazardous solely due to corrosivity or toxic only from the acid or caustic material, in elementary neutralization units.
a. The waste contains less than 10 percent acid or base constituents by weight. There is no volume limit for this category.
b. The waste contains 10 percent or more acid or base constituents by weight and is treated in batches that do not exceed 500 gallons at one time.
10. A wastestream technology combination certified by the Department pursuant to Section 25200.1.5 of the Health and Safety Code as appropriate for operation under Conditional Authorization.
Certified Technology Number.

Instructions for Completing the Onsite Hazardous Waste Treatment Process Forms

GENERAL INFORMATION

The following forms list the eligibility requirements for each hazardous waste treatment tier.

Be sure to note that some of the process categories have volume and/or concentration restrictions that you must meet in order to qualify for a specific tier.

In the event that you utilize a certified treatment technology, enter the Certified Technology Number in the space provided on the tier specific page that applies to your process.

As of April 1, 1999, there is one certified technology for these tiers. The certification is for aldehyde treatment processes and is eligible for the CESW tier. The approved technology is:

Neutralex SCIGEN

Cert. #. 97-01-0024 333

East Gardena Blvd.

Gardena, CA 90248

June 29, 1997 (expires June 29, 2000)

Description: Batch treatment for 10 percent Formalin generated by medical, educational, and laboratory facilities. Chemically treats in a provided 8 liter vessel. After testing, allows for disposal to sanitary sewer.

Tier: Authorized for the CESW tier.

A copy of published Certification Statements and additional updates may be obtained by contacting DTSC at (916) 322-3670 or from the Cal/EPA on-line Bulletin Board via modem at (916) 322-5041.

If you treat a total of less than 55 gallons or 500 pounds in ALL units you will use the CESQT form *only*.

FORM INSTRUCTIONS

- You must complete one unit form for each treatment unit at this location
- In order to utilize these forms and determine the tier you are operating under, do the following:
 - Determine the appropriate process, technology or certified wastestream and treatment technology that you are using to treat your hazardous waste. You may base this determination on the descriptions of wastestream, quantity of waste, and treatment process defined on the tier specific pages.
 - Check the box under the category that best describes the wastestream, quantity of waste, and treatment process.

Example 1: You are a metal plating facility treating an aqueous waste that contains hexavalent chrome by reducing the hexavalent chrome to trivalent chrome using sodium bisulfite **AND** the quantity of your waste is **MORE** than 55 gallons per month in all treatment units at the facility. You would find your treatment process on the Permit by Rule Page, Item 1:

Aqueous wastes containing hexavalent chromium may be treated by the following processes:

- ⁶³⁰ a. Reduction of hexavalent chromium to trivalent chromium with sodium bisulfite, sodium metabisulfite, sodium thiosulfate, ferrous sulfate, ferrous sulfide or sulfur dioxide provided both pH and addition of the reducing agent are automatically controlled:

NOTE: If you were treating the SAME wastestream in quantities of **LESS THAN** 55 gallons per month, you would find this treatment process on the Conditionally Exempt Small Quantity Generator Page, Item 1.

Example 2: Your facility treats gypsum sludge by drying to remove the water **AND** in quantities of approximately 25,000 pounds per month. You would find your treatment process on the Conditionally Authorized Page, Item 4:

Alum, gypsum, lime, sulfur or phosphate sludge. The monthly volume treated in this unit does not exceed 5,000 gallons or 45,000 pounds.

Treatment using:

- a. Drying to remove water b. Phase separation by filtration, centrifugation or gravity settling.

NOTE: If you treated the SAME wastestream in quantities of **LESS THAN** 500 pounds per month, you would find this treatment process on the Conditionally Exempt Small Quantity Generator Page, Item 5 **OR** if you treated the SAME wastestream in quantities of **OVER** 45,000 pounds, you would find this treatment on the Permit by Rule Page, Item 5.

IF YOU HAVE ANY QUESTIONS CONTACT YOUR DISTRICT INSPECTOR AT (909) 386-8401