



Department of Public Health
Environmental Health Management
Hazardous Materials Unified Program Agency
1390 Market Street, Suite 210
San Francisco, CA 94102
(415) 252-3900



COMPLIANCE APPLICATION *Hazardous Waste Treatment (HWT)*

This application packet contains forms that must be completed by any business that is regulated by the Department of Public Health under any of the following hazardous waste treatment tiers:

Permit by Rule
Conditional Authorization
Conditional Exemption

The following forms (**page numbers**) and instructions are included in this application packet:

- On-Site HWT Notification – [Facility Form](#) (9)
- On-Site HWT Notification – [Unit Form](#) (11)
- On-Site HWT Notification – [Conditionally Exempt Small Quantity Treatment \(CESQT\)](#) Page (13)
- On-Site HWT Notification – [Conditionally Exempt Specified Waste Streams \(CESW\) Page](#) (15)
- On-Site HWT Notification – [Conditionally Authorized \(CA\)](#) Page (17)
- On-Site HWT Notification – [Permit By Rule Page \(PBR\) Page](#) (19)
- On-Site HWT Notification – [Conditionally Exempt – Limited \(CEL\)](#) Page (21)
- [Certification Of Financial Assurance](#) (23)

Frequently Asked Questions

Why did I receive this packet?

You received this packet because the Department of Public Health has reason to believe that your business is engaged in the treatment of hazardous waste.

What do I have to do to comply?

In order to remain in compliance with the local Health Code, as well as state and federal laws, you must do the following:

1. Complete and submit required paperwork on time.
2. Pay the appropriate fees.
3. Manage your hazardous waste treatment unit safely and in compliance with specific regulations.
4. Correct any violations that are identified during on-site inspections in a timely manner.

Which forms do I have to submit?

Specific treatment operations at your business will determine which forms you will need to complete. If your facility is a hazardous waste generator performing treatment of hazardous wastes at the site where the waste is generated, and the facility is eligible under the Conditional Exemption, or Conditional Authorization tiers, or operates a Fixed Treatment Unit (FTU) under the Permit by Rule (PBR) tier, then you must complete at a minimum, a Facility Form, a Unit Form and a Waste & Treatment Process Combination Page. The tier(s) under which you are regulated will determine which other forms you will need to complete and which other documents you may need to submit. To determine which tier or tiers apply to your facility, refer to the Department of Toxic Substances Control (DTSC) Onsite Tiered Permitting Flow Chart, which graphically displays the eligible waste streams and treatment processes by tier. You may access this flow chart at:

<http://www.dtsc.ca.gov/PublicationsForms/onsite-tiered-permitting-flowchart.pdf>

If your business is regulated under the Tiered Permitting Program element, then you are also required to complete a Business Activities Declaration Form (Form A), a Business Owner Operator Information Form (Form B), and an Invoice and Fee calculation Form (Form C). You can find these forms in the HMUPA Regulatory Compliance Application Packet. Please contact HMUPA at (415)252-3900 and ask to speak to your district inspector for help in completing these forms or if you have other questions regarding hazardous waste treatment.

Please number all pages of your submittal with your facility ID #. This helps HMUPA staff identify whether the submittal is complete and whether any pages have become separated.

Are these forms available on line?

Yes. Click on:

http://www.dph.sf.ca.us/ehs/Toxics/Hazmat/hazmat_Apps_and_Forms/apps_index.htm

Can HMUPA accept data electronically?

No. We are not currently able to accept data in an electronic format.

Can I obtain forms any other way?

Yes. We have a convenient FAX BACK option. Call **(415)554-1800**. If you don't know the 3-digit code for the form you faxed back to you, enter "000" and you will be faxed a convenient listing of all the codes. The following is a list of the FAX BACK Codes for forms you might need.

Form Name		FAX BACK Code
On-Site Hazardous Waste Treatment Notification Facility Form		077
On-Site Hazardous Waste Treatment Notification Unit Form		078
Waste & Treatment Process Combinations	Conditionally Exempt Small Quantity Treatment (CESQT) Page	079
	Conditionally Exempt Specified Waste Streams (CESW) Page	080
	Conditionally Authorized (CA) Page	081
	Permit By Rule (PBR) Page	082
	Conditionally Exempt – Limited (CEL) Page	083
On-Site Hazardous Waste Treatment Notification Certification of Financial Assurance Form		084
Business Activity Declaration Form (Form A)		049
Business Owner/Operator Information Form (Form B)		050
Invoice & Fee Calculation Form		051

How much are the fees?

Use the fee charts and Fee Calculation Worksheets printed on the blue pages in the HMUPA Regulatory Compliance Application Packet to determine your total fee.

Are there penalties for non-compliance?

YES! *Non-compliance is expensive.* Even an oversight like neglecting to submit this application on time might double your fees. ***You can avoid this by on time submittal.*** Penalties for non-compliance may be \$2000 per day per violation or even higher. Act immediately to avoid penalties.

What if this application has been sent to me in error or my operations have changed so that hazardous waste is no longer treated at my businesses?

In Section V of the On Site Treatment Notification Facility Form, check the box that says, "hazardous waste is NOT treated at this business. This information will be verified by an on-site inspection.

Note: Instructions for the On-Site Hazardous Waste Treatment Notification Facility Form and the On-Site Hazardous Waste Treatment Notification Unit Form begin on the next page. Instructions for all other forms can be found on the back of each form.

INSTRUCTIONS

Onsite Hazardous Waste Treatment Notification – Facility

There are several treatment activities that, although they would be otherwise regulated, are exempt under the law provided certain conditions are met. Exempt treatment activities are described on page 6 of this packet. If your treatment activities are exempt, then no notification is required for these activities.

Submit one Facility Form (Onsite Hazardous Waste Treatment Notification - Facility) per facility, regardless of the number of treatment units located at the site.

Note: The numbering of the instructions follows the data element numbers that are on the Unified Program Consolidated Form (UPCF) pages. These data element numbers are the same as the numbering used in 27 CCR, Appendix C, the Business Section of the Unified Program Data Dictionary. Please number all pages of your submittal. This helps HMUPA staff to identify whether the submittal is complete and if any pages are separated.

- 1 FACILITY ID NUMBER** – This is the number that your facility has been assigned by HMUPA. This is the unique number which identifies your facility.
- 3 BUSINESS NAME** - Enter the full legal name of the business.
- 600 NOTIFICATION STATUS** - Check whether this notification is your initial notification under the Tiered Permitting system, an amended notification, or a renewal (for PBR only).
- 601 PERMIT STATUS** - Check the status of the permit for State issued hazardous waste permits or grants of authorization.
- 602 NUMBER OF UNITS** - For each of the permitting tiers or categories listed, enter the number of units you operate at this facility location. **Complete a Unit Specific Notification Form and a Waste and Treatment Process Page** for each unit you list here, except for CE-CL units. Verify that the total number of units (item 602g) is equal to the number of unit specific notification and waste and treatment process pages included in the submittal plus the number of CE-CL units (item 602f).
- SIGNATURE OF OWNER/OPERATOR** - The business owner or officer of the company who is authorized to make decisions for the facility and who has operational control, shall sign in the space provided. In most companies, this is not the environmental compliance or technical staff. The title should indicate that an appropriately authorized person is signing for the company. Original signatures are required.

You are signing the certifications and attesting to their accuracy under penalty of law for submitting false information. The certifications cover waste minimization, the eligibility of the unit(s) for the indicated tier, the fact that the unit meets all of the operating requirements for that tier, and that the information is accurate. These operating requirements are set forth in the statutes and regulations.

- 603 DATE CERTIFIED** - Enter the date that the page was signed.
- 604 OWNER/ OPERATOR NAME** - Enter the full printed name of the person signing the page.
- 605 OWNER/ OPERATOR TITLE** - Enter the title of the person signing the page.
- REQUESTING A SHORTENED REVIEW PERIOD** - Generators operating under CA and CE are legally authorized 60 days after submitting a complete notification. The time period between notification and authorization may be shortened when the owner or operator shows a good cause. Check whether or not you are requesting to be authorized sooner than the standard 60-day period, and state the reason for the request. The authorization will be automatically effective on the date the completed notification page is received by the CUPA. (If necessary,

INSTRUCTIONS

use additional sheets to explain your reasons.) Generators operating under the PBR tier are not authorized until they are notified by HMUPA.

ATTACHMENTS

NOTE: Commercial Laundries are not required to provide attachments.

ALL FACILITIES

1. Complete a unit notification and a Waste and Treatment Process Page for EACH unit covered by this notification.
2. Provide a plot plan or map detailing the location or locations of the unit or units at this facility. This document is for use by the inspector. Clearly indicate the facility boundaries and major features. The extent or detail of the plot plan will vary depending on the size of the facility, the extent of the industrial operations, and the number of treatment units. A diagram prepared for the hazardous materials business plan (required by Title 19 CCR) may be used, as long as the unit numbers for the units covered by this notification are indicated.

PBR & CA ONLY

1. Complete the Certification of Financial Assurance for Closure and return with necessary attachments. Check whether you have Self-Certified (because your closure costs are less than \$10,000) or if you are submitting a financial mechanism.
2. Prior Enforcement History information is required **ONLY** if this facility was the subject of any convictions, judgments, settlements or final orders resulting from an action by any local, state, or federal environmental, hazardous waste, or public health enforcement agency. If applicable, attach a statement or summary that lists the cases for the last three years and provide a copy of the cover sheet from each document (conviction, settlement, etc.). The summary should include case and docket number, name and address of the agency, date, brief explanation, type of case (criminal, civil, administrative) and final resolution (including fines and penalties).

ADDITIONAL SUBMISSION TO DTSC:

A PHASE I ENVIRONMENTAL ASSESSMENT IS REQUIRED FROM ALL PBR AND CA FACILITIES AND MUST BE SUBMITTED TO DTSC, NOT TO HMUPA. This assessment was due on January 1, 1997 or within one year from initial notification for newer facilities. Revisions are required if new releases are discovered. The assessment checklist and instructions are available from DTSC. Call (916) 324-2423 or write to DTSC-Unified Program Section, P.O. Box 806, Sacramento, CA 95812-0806. Completed Phase I Assessments should be submitted to the same address.

PBR ONLY

1. Tank and/or containment system certifications are required to be submitted for only PBR units by 22 CCR 67450.2(b)(3)(G), when applicable. The specific standards are in 22 CCR 66264.175(c) for containers and 22 CCR 66265.191(a) and 66265.192(a) for tanks.
2. Notification of local agencies. Attach documentation of the other local agencies notified of your operation, i.e. sewer agency.
3. Notification of property owner. If the property owner is different than the operator, provide documentation that the facility operator has notified the property owner of the operation of this hazardous waste treatment unit under PBR.

INSTRUCTIONS

Exempt Treatment Activities

There are several treatment activities which, although they would be otherwise regulated, are exempt under the law provided certain conditions are met. No notification is required if these are the only treatment activities performed at the facility. These activities are:

1. **Biotechnology Elementary Neutralization Activities - Refer to HSC §25201.15**
Biotechnology elementary neutralization activities are the elementary neutralization of wastes generated by biotechnology manufacturing or biotechnology process development activities. This includes activities conducted in SIC Code Subgroups 283, 2833, 2834, 2835, 2836, 8731, 8732, and 8733, including manufacturing and process development of medicinal chemicals and botanical products, pharmaceutical preparations, in vitro and in vivo diagnostic substances, and biological products, and all associated equipment and vessel cleaning and maintenance operations. These activities are exempt if ALL of the following conditions are met:
 - A permit is not required to conduct elementary neutralization under federal law.
 - The hazardous wastes are hazardous solely due to acidic or alkaline materials.
 - Either of the following applies with regard to the biotechnology elementary neutralization activity:
 - a) The hazardous wastes in the elementary neutralization unit do not contain more than 10 percent by weight acid or alkaline constituents.
 - b) The generator determines the neutralization process will not raise the temperature of the hazardous wastes to within 10 degrees of the boiling point or cause the release of hazardous gaseous emissions.
 - The hazardous wastes are not diluted for the sole purpose of meeting the criteria specified in subparagraph (a) above AND after neutralization the wastewaters do not exhibit the characteristic of corrosivity.
 - The temperature of any unit 100 gallons or larger is automatically monitored, is fitted with a high temperature alarm system, and for closed systems, the unit automatically controls the adding and mixing of corrosive and neutralizing solutions.
2. **Neutralization of Acid/ Alkaline Wastes from Regeneration of Ion Exchange Media - Refer to HSC §25201.13(a)**
NO authorization is needed to neutralize acid/alkaline wastes from regeneration of the ion exchange media used to demineralize water, if the waste contains less than or equal to 10 percent acid or base by weight.
3. **Neutralization of Acid/ Alkaline Wastes from the Food Processing Industry - Refer to HSC §25201.13(c)**
NO authorization is needed to neutralize acid/alkaline wastes from the food processing industry.
4. **Silver Recovery - Refer to HSC §25143.13, amended by Senate Bill (SB) 2111, (Chapter 309, Statutes of 1998)**
NO authorization is needed for the recovery of silver (provided that the solutions and wastewaters are "silver-only" hazardous wastes, and are not hazardous for any other reason or constituent) from photofinishing/photoimaging solutions and photoimaging solution wastewaters. These wastes are regulated only to the extent they are regulated under the federal Resource Conservation and Recovery Act.
5. **Sieving or Filtering Under Limited Conditions - Refer to HSC §25123.5(b)(2)(A), amended by Assembly Bill (AB) 966, (Chapter 506, Statutes of 1998)** NO authorization is needed for sieving or filtering liquid hazardous waste to remove solid fractions, WITHOUT added heat, chemicals, or pressure, as the waste is added to or removed from a storage or accumulation tank or container, if the activity is conducted onsite. For this exemption, sieving or filtering does not include adsorption, reverse osmosis, or ultrafiltration.
6. **Phase Separation Under Limited Conditions - Refer to HSC §25123.5(b)(2)(B), amended by AB 966, (Chapter 506, Statutes of 1998)** NO authorization is needed for phase separation of hazardous waste during storage or accumulation in tanks or containers, if the separation is unaided by the addition of heat or chemicals, and the activity is conducted onsite.
7. **Combination of Waste streams Under Limited Conditions - Refer to HSC §25123.5(b)(2)(C), amended by AB 966, (Chapter 506, Statutes of 1998)** NO authorization is needed for combining two or more waste streams that are not incompatible into a single tank or container if the activity is conducted onsite and BOTH of the following conditions apply:
 - a) The waste streams are being combined solely for the purpose of consolidated accumulation or storage or consolidated offsite shipment, and they are NOT being combined to meet a fuel specification or to otherwise be chemically or physically prepared to be treated, burned for energy value, or incinerated.
 - b) The combined waste stream is managed in compliance with the most stringent of the regulatory requirements applicable to each individual waste stream.
8. **Evaporation of Water Under Limited Conditions - Refer to HSC §25123.5(b)(2)(D), amended by AB 966, (Chapter 506, Statutes of 1998)** NO authorization is needed for evaporation of water from hazardous wastes in tanks or containers, such as breathing and evaporation through vents and floating roofs, WITHOUT the addition of pressure, chemicals, or heat other than sunlight or ambient room lighting or heating, if the activity is conducted onsite.

INSTRUCTIONS

Onsite Hazardous Waste Treatment Notification – Unit

Complete a unit specific page (Onsite Hazardous Waste Treatment Notification - Unit) and a Waste and Treatment Process Combinations page for each treatment unit operating at this facility. Commercial Laundries are *not* required to complete unit specific pages, provided that laundering is the only hazardous waste treatment activity conducted by the facility.

Note: The numbering of the instructions follows the data element numbers that are on the Unified Program Consolidated Form (UPCF) pages. These data element numbers are the same as the numbering used in 27 CCR, Appendix C, the Business Section of the Unified Program Data Dictionary. Please number all pages of your submittal. This helps us to identify whether the submittal is complete and if any pages are separated.

- 1 FACILITY ID NUMBER** - Leave this blank. This number is assigned by the CUPA. This is the unique number which identifies your facility.
- 3 BUSINESS NAME** - Enter the full legal name of the business.
- 606 UNIT ID NUMBER** - Enter a unique number for each unit. The units can be numbered sequentially, or by any other system as long as the numbers are not repeated or duplicated. All unit numbers must be clearly labeled on the plot plan/map.
- 607 UNIT TYPE / TIER** - Check the unit type under the Tiered Permitting program.
- 608 NUMBER OF TANKS** - Enter the number of tanks used in the unit. Tank means a stationary device, designed to contain an accumulation of hazardous waste, which is constructed primarily of non-earthen materials (e.g., wood, concrete, steel, plastic) which provide structural support (22 CCR .66260.10).
- 609 NUMBER OF CONTAINERS/ TREATMENT AREAS** - Enter the number of containers/ container treatment used in the unit. Container means any device that is open or closed, and portable in which a material can be stored, handled, treated, transported, recycled, or disposed of (22 CCR .66260.10). Container treatment area is the location set aside and used to treat containers.
- 610 UNIT NAME** - Enter the name of the treatment unit. A treatment unit is defined as a tank, a container, or a combination of tanks or tank systems and/or containers located together that are used in sequence to treat or accumulate one or more compatible hazardous waste streams. The devices are either plumbed together or otherwise linked so as to form one system.
- 611 MONTHLY TREATMENT VOLUME** - Enter the estimated monthly total volume of hazardous waste treated in each unit. If the volume fluctuates significantly by month, enter the maximum or highest volume treated in any month.
- 612 UNIT OF MEASURE** - Check whether the treatment volume unit of measure is pounds or gallons.
- 613 SPECIFIC WASTE TYPE TREATED** - Describe the specific waste type(s) treated. For example, if waste qualifies as an aqueous waste with metal or organics, indicate the specific metals or organics.
- 614 TREATMENT PROCESS DESCRIPTION** - Describe the treatment process(es) used. Indicate if the activities are seasonal or periodic.
- 615 BASIS FOR NOT NEEDING FEDERAL PERMIT** - Check the reason(s) that best describe why your onsite treatment unit does not need a federal hazardous waste permit. You must indicate at least one reason to prove your eligibility for the onsite treatment tiers. If you are unsure how these exemptions apply to your operation, contact your CUPA, the DTSC Regional Office closest to you, the U.S. EPA's Region IX RCRA Information Line at (415) 744-2074, or the U.S. EPA RCRA Hotline at (800) 424-9346. The eight most common reasons for not needing a federal permit are listed on the page. There is also a space to specify another reason and a citation. The following terms used on the page are defined in 40 CFR 260.10:
 - wastewater treatment unit means a device which (1) is part of a wastewater treatment facility regulated under section 402 or 307(b) of the Clean Water Act, and (2) receives and treats or stores an influent wastewater that is hazardous waste or that generates and accumulates a wastewater treatment sludge that is a hazardous waste or that treats or stores a wastewater treatment sludge which is a hazardous waste, and (3) meets the definition of tank or tank system.
 - elementary neutralization unit means a device which (1) is used for neutralizing wastes that are hazardous only because they exhibit the corrosivity characteristic or they are listed only for this reason, and (2) meets the definition of tank, tank system, container, transport vehicle, or vessel.
 - totally enclosed treatment facility means a facility for the treatment of hazardous waste which is directly connected to an industrial production process and which is constructed and operated in a manner which prevents the release of any hazardous waste or any constituent thereof into the environment during treatment.
 - NPDES permit: A permit issued by a regional water board allowing discharge of waste to the environment under the National Pollutant Discharge Elimination System (NPDES).
- 616 RESIDUALS MANAGEMENT DESCRIPTION** - Check the management of residuals. If appropriate, describe your "other" method of handling the residuals.
- 617 SECONDARY CONTAINMENT INSTALLATION DATE** - Enter the date the secondary containment was installed.

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ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION FACILITY FORM

Page _____ of _____

I. FACILITY IDENTIFICATION

Business Name (Same As Facility Name or DBA - Doing Business As)	3	Facility ID#	1
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II. STATUS

NOTIFICATION STATUS	600	PERMIT STATUS <i>(Check all that apply)</i>	601
<input type="checkbox"/> a. Amended <input type="checkbox"/> b. Initial <input type="checkbox"/> c. Renewal (PBR Only)		<input type="checkbox"/> a. Facility Permit <input type="checkbox"/> b. Interim Status <input type="checkbox"/> c. Standardized Permit <input type="checkbox"/> d. Variance <input type="checkbox"/> e. Consent Agreement	

III. NUMBER OF UNITS AT FACILITY

(Indicate the number of units you operate in each tier, attach one unit notification page for each unit except CE-CL)

a. ____ Conditionally Exempt - Small Quantity Treatment (CESQT) <i>(May not function under any other tier)</i> b. ____ Conditionally Exempt - Specified Waste stream (CESW) c. ____ Conditionally Authorized (CA) d. ____ Permit by Rule (PBR) e. ____ Conditionally Exempt - Limited (CEL) f. ____ Conditionally Exempt - Commercial Laundry (CE-CL) <i>(No unit page is required for laundries)</i> g. ____ TOTAL UNITS <i>(Must equal the number of unit notification pages attached plus the number of CE-CL units)</i>	602
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IV. CERTIFICATION AND SIGNATURE

Waste Minimization I certify that I have a program in place to reduce the volume, quantity, and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Tiered Permitting Certification I certify that the unit or units described in these documents meet the eligibility and operating requirements of state statutes and regulations for the indicated permitting tier, including generator and secondary containment requirements. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are substantial penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

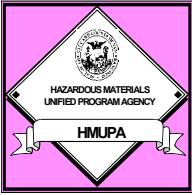
Signature Of Owner/ Operator		Date	603
Name Of Owner/Operator	604	Title Of Owner/Operator	605

REQUEST FOR SHORTENED REVIEW PERIOD (CE and CA only) Yes No
 State Reason for Request

V. ATTACHMENTS *(Check if attached)*

<p>ALL tiers except CE-CL (Laundries) must submit:</p> <input type="checkbox"/> 1. One unit specific notification page and one treatment process page per unit <input type="checkbox"/> 2. Plot Plan (or other grid/map) <p>PBR & CA ONLY:</p> <input type="checkbox"/> 1. Closure Financial Assurance (DTSC form 1232) <input type="checkbox"/> Self Certified (<\$10,000) <input type="checkbox"/> Other mechanism <input type="checkbox"/> 2. Phase I Assessment (DTSC form 1151) <input type="checkbox"/> Previously submitted <input type="checkbox"/> 3. Prior Enforcement History, if applicable	<p>PBR ONLY</p> <input type="checkbox"/> 1. Tank and container certifications, if required <input type="checkbox"/> 2. Notification of local agency or agencies <input type="checkbox"/> 3. Notification of property owner, if different from business owner
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ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION UNIT FORM

Page ___ of ___

FACILITY ID# 1	Business Name (Same As FACILITY NAME Or DBA – Doing Business As) 3
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I. TREATMENT UNIT

Unit ID# 606	Unit Type/Tier 607	Number Of Tanks 608	Number Of Containers/ Treatment Areas 609
Unit Name 610	<input type="checkbox"/> a CESQT <input type="checkbox"/> b CESW <input type="checkbox"/> c CA <input type="checkbox"/> d PBR <input type="checkbox"/> e CEL	Monthly Treatment Volume 611	Unit Of Measure 612 <input type="checkbox"/> a Pounds <input type="checkbox"/> b Gallons

Specific Waste Type Treated (Narrative) 613
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Treatment Process Description (Narrative) 614
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(NOTE: For each treatment unit, complete and attach the appropriate Waste And Treatment Process Combinations page)

II. BASIS FOR NOT NEEDING FEDERAL PERMIT *(Check all that apply)*

<input type="checkbox"/> a. The treated waste is not a hazardous waste under federal law (California-only waste). <input type="checkbox"/> b. Treated in waste water treatment units (tanks) and discharged to a publicly owned treatment works (POTW)/ sewerage agency or under an NPDES permit. <input type="checkbox"/> c. Treatment in elementary neutralization units. <input type="checkbox"/> d. Treatment in a totally enclosed treatment facility. <input type="checkbox"/> e. Federal conditionally exempt small quantity generator (generated 100 kg, approximately 27 gallons, or less of hazardous waste in a calendar month).	<input type="checkbox"/> f. Treatment in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 615 <input type="checkbox"/> g. Recyclable materials are reclaimed to recover silver or other precious metals. <input type="checkbox"/> h. Empty container rinsing and/or treatment. <input type="checkbox"/> i. Other (specify):
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III. RESIDUALS MANAGEMENT DESCRIPTION *(Check all that apply)*

<input type="checkbox"/> a. Discharge non-hazardous aqueous waste to POTW or sewer. <input type="checkbox"/> b. Discharge non-hazardous aqueous waste under a NPDES permit. <input type="checkbox"/> c. Dispose of non-hazardous solid waste residues at an offsite location.	Residual hazardous waste hauled offsite by a registered hauler. 616 <input type="checkbox"/> d. Offsite recycling <input type="checkbox"/> e. Thermal treatment <input type="checkbox"/> f. Disposal to land <input type="checkbox"/> g. Further treatment <input type="checkbox"/> h. Other method of disposal (describe below)
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Secondary Containment Installation Date (If Required) 617
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ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION
WASTE AND TREATMENT PROCESS COMBINATIONS
CONDITIONALLY EXEMPT SMALL QUANTITY TREATMENT (CESQT) PAGE

(One page per treatment unit - check all that apply)

Page ____ of ____

Unit ID#	606	Facility ID#	1
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Note: CESQT = treats < 55 gallons or 500 pounds of hazardous waste in any calendar month in ALL units at this facility (NOT a limit for each waste stream or unit separately). CESQT generators may not hold other state or federal hazardous waste permit or authorization for this facility, including other onsite tiers.

- 1. Aqueous wastes containing hexavalent chromium may be treated by the following process:** 627
- 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.
- 2. Aqueous wastes containing metals listed in Title 22, CCR, Section 66261.24 (a)(2) and/or fluoride salts may be treated by the following technologies:**
- | | |
|---|--|
| <input type="checkbox"/> a. pH adjustment or neutralization. | <input type="checkbox"/> g. Plating the metal onto an electrode. |
| <input type="checkbox"/> b. Precipitation or crystallization. | <input type="checkbox"/> h. Electrodialysis |
| <input type="checkbox"/> c. Phase separation by filtration, centrifugation or gravity settling. | <input type="checkbox"/> i. Electrowinning or electrolytic recovery |
| <input type="checkbox"/> d. Ion exchange. | <input type="checkbox"/> j. Chemical stabilization using silicates and/or cementitious types of reactions. |
| <input type="checkbox"/> e. Reverse osmosis. | <input type="checkbox"/> k. Evaporation. |
| <input type="checkbox"/> f. Metallic replacement. | <input type="checkbox"/> l. Adsorption |
- 3. Aqueous wastes with total organic carbon less than 10% as measured by EPA Method 9060 and less than 1% total volatile organic compounds as measured by EPA Method 8240 may be treated by the following technologies:**
- a. Phase separation by filtration, centrifugation or gravity settling, but excluding super critical fluid extraction.
- b. Adsorption.
- c. Distillation.
- d. Biological processes conducted in tanks or containers and utilizing naturally occurring microorganisms.
- e. Photodegradation using ultraviolet light, with or without the addition of hydrogen peroxide or ozone, provided the treatment is conducted in an enclosed system.
- f. Air stripping or steam stripping.
- 4. Sludges, dusts, solid metal objects and metal workings which contain or are contaminated with metals listed in Title 22, CCR, Section 66261.24 (a)(2) and/or fluoride salts may be treated by the following technologies:**
- a. Chemical stabilization using silicates and/or cementitious types of reactions.
- b. Physical processes which change only the physical properties of the waste such as grinding, shredding, crushing or compacting.
- c. Drying to remove water.
- d. Separation based on differences in physical properties such as size, magnetism or density.
- 5. Alum, gypsum, lime, sulfur or phosphate sludges may be treated by the following technologies:**
- a. Chemical stabilization using silicates and/or cementitious types of reactions.
- b. Drying to remove water.
- c. Phase separation by filtration, centrifugation or gravity settling.
- 6. Wastes identified in Title 22, CCR, Section 66261.120, that meet the criteria and requirements for special waste classification in Section 66261.22 may be treated by the following technologies:**
- a. Chemical stabilization using silicates and/or cementitious types of reactions.
- b. Drying to remove water.
- c. Phase separation by filtration, centrifugation or gravity settling.
- d. Screening to separate components based on size.
- e. Separation based on differences in physical properties such as size, magnetism or density.
- 7. Wastes, except asbestos, which have been classified by the Department as special wastes pursuant to Title 22, CCR, Section 66261.124, may be treated by the following technologies:**
- a. Chemical stabilization using silicates and/or cementitious types of reactions.
- b. Drying to remove water.
- c. Phase separation by filtration, centrifugation or gravity settling.
- d. Magnetic separation
- 8. Inorganic acid or alkaline wastes may be treated by the following technology:**
- a. pH adjustment or neutralization.
- 9. Soils contaminated with metals listed in Title 22, CCR, Section 66261.24(a)(2), (Persistent and Bioaccumulative Toxic Substances) may be treated by the following technologies:**
- a. Chemical stabilization using silicates and/or cementitious types of reactions.
- b. Screening to separate components based on size.
- c. Magnetic separation.
- 10. Used oil, unrefined oil waste, mixed oil, oil mixed with water and oil/water separation sludges may be treated by the following technologies:**
- a. Phase separation by filtration, centrifugation or gravity settling, but excluding super critical fluid extraction.
- b. Distillation.
- c. Neutralization.
- d. Separation based on differences in physical properties such as size, magnetism or density.
- e. Reverse osmosis.
- f. Biological processes conducted in tanks or containers and utilizing naturally occurring microorganisms.
- 11. Containers of 110 gallons or less capacity which are not constructed of wood, paper, cardboard, fabric, or any other similar absorptive material, which have been emptied as specified in Title 40 of the Code of Federal Regulations, section 261.7 or inner liners removed from empty containers that once held hazardous waste or hazardous material and which are not excluded from regulation may be treated by the following technologies provided the treated containers and rinseate are managed in compliance with applicable requirements.**
- a. Rinsing with a suitable liquid capable of dissolving or removing the hazardous constituents which the container held.
- b. Physical processes such as crushing, shredding, grinding or puncturing, that change only the physical properties of the container or inner liner, provided the container or inner liner is first rinsed and the rinseate is removed from the container or inner liner.
- 12. Multi-component resins may be treated by the following process:**
- a. Mixing the resin components in accordance with the manufacturer's instructions.
- 13. A waste stream technology combination certified by the Department pursuant to Section 25200.1.5 of the Health and Safety Code as appropriate for authorization under CESQT.**

Waste and Treatment Process Combinations

The Waste and Treatment Process Combinations pages list those waste and treatment combinations certified by DTSC pursuant to HSC 25200.1.5 for authorization under CE, CA, and PBR tiers. Each page is specific to a tier, with each tier specific page listing the wastes and treatment processes eligible under that tier. Note that some of the categories have volume or concentration restrictions that must be met in order to qualify for that tier. Additionally, some of the wastes refer to 22 CCR and others to the Health and Safety Code.

Complete one Waste and Treatment Process Combinations page for each unit, except CE-CL units.

(Note: the numbering of the instructions follows the data element numbers that are on the UPCF pages. These data element numbers are used for electronic submission and are the same as the numbering used in 27 CCR, Appendix C, the Business Section of the Unified Program Data Dictionary.)

Please number all pages of your submittal. This helps your CUPA or local agency identify whether the submittal is complete and if any pages are separated.

606 UNIT ID NUMBER - Enter the unit ID number (same as item 606 from the Onsite Hazardous Waste Treatment Notification - Unit page).

1 FACILITY ID NUMBER - Leave this blank. This number is assigned by the CUPA. This is the unique number, which identifies your facility.

627 WASTE AND TREATMENT PROCESS COMBINATIONS - CESQT 628 WASTE AND TREATMENT PROCESS COMBINATIONS - CESW 629 WASTE AND TREATMENT PROCESS COMBINATIONS - CA 630 WASTE AND TREATMENT PROCESS COMBINATIONS - PBR 631 WASTE AND TREATMENT PROCESS COMBINATIONS - CEL	Use the correct page for the unit. Check the waste and treatment process(es) that pertain to the unit. If the process is a technology certified by DTSC, please enter the Certified Technology Number (Cert. #). Certified technologies appropriate for authorization, and the eligible tiers, are listed below.
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Note that reactive and extremely hazardous wastes are not allowed to be treated under any of the onsite treatment tiers, except for certain wastes under Conditionally Exempt - Specified Waste streams.

CERTIFIED TECHNOLOGIES

DTSC is authorized to certify hazardous waste technologies. Appropriate certified technologies may be eligible for CE, CA or PBR onsite treatment tiers. 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
Effective Date:	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



Hazardous Materials Unified Program Agency
 1390 Market Street, Suite 210
 San Francisco, CA 94102
 (415)252-3900



**ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION
 WASTE AND TREATMENT PROCESS COMBINATIONS
 CONDITIONALLY EXEMPT - SPECIFIED WASTE STREAMS (CESW) PAGE**

(One page per treatment unit - check all that apply)

Page ____ of ____

628

- 1. Treating resins mixed or cured in accordance with the manufacturer's instructions (including one-part and pre-impregnated materials).
- 2. Treating a container of 110 gallons or less capacity, which is not constructed of wood, paper, cardboard, fabric or any other similar absorptive materials, for the purposes of emptying the container as specified by Section 66261.7 of Title 22 of the California Code of Regulations, as revised July 1, 1990, or treats the inner liners removed from empty containers that once held hazardous waste or hazardous material. The generator shall treat the container or inner liner by using the following technologies, provided the treated containers and rinseate are managed in compliance with the applicable requirements of this chapter:
 - (A) The generator rinses the container or inner liner with a suitable liquid capable of dissolving or removing the hazardous constituents which the container held, and/or
 - (B) The generator uses physical processes, such as crushing, shredding, grinding, or puncturing, that change only the physical properties of the container or inner liner, if the container or inner liner is first rinsed as provided in subparagraph (A) and the rinseate is removed from the container or inner liner.
- 3. Drying special wastes, as classified by the Department pursuant to Title 22, CCR, Section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.
- 4. Magnetic separation or screening to remove components from special waste, as classified by the Department pursuant to Title 22, CCR, Section 66261.124.
- 5. Not in use/exempted—formerly neutralization and regeneration or ion exchange media used to demineralize water.
- 6. Not in use/exempted—formerly neutralization of food processing waste.
- 7. Not in use/exempted—formerly recovery of silver from photofinishing.
- 8. Gravity separation of the following, including the use of flocculants and demulsifiers if:
 - a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.
 - b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel). (Note: some used oil/water separation is eligible for CEL.)
- 9. Neutralizing acidic or alkaline (basic) material by a state certified laboratory, a laboratory operated by an educational institution, or a laboratory which treats less than one gallon of onsite generated hazardous waste in any single batch. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)
- 10. Hazardous waste treatment is carried out in quality control or quality assurance laboratory at a facility that is not an offsite hazardous waste facility.
- 11. A waste stream and treatment technology combination certified by the Department pursuant to Section 25200.1.5 of the Health and Safety Code as appropriate for authorization under CESW.
 _____ Certified Technology Number
- 12. The treatment of formaldehyde or glutaraldehyde by a health care facility using a technology combination certified by the Department pursuant to section 25200.1.5 of the Health and Safety Code.
 _____ Certified Technology Number

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Complete one Waste and Treatment Process Combinations page for each unit, except CE-CL units.

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<p>627. WASTE AND TREATMENT PROCESS COMBINATIONS - CESQT 628. WASTE AND TREATMENT PROCESS COMBINATIONS - CESW 629. WASTE AND TREATMENT PROCESS COMBINATIONS - CA 630. WASTE AND TREATMENT PROCESS COMBINATIONS - PBR 631. WASTE AND TREATMENT PROCESS COMBINATIONS - CEL</p>	<p>Use the correct page for the unit. Check the waste and treatment process(es) that pertain to the unit. If the process is a technology certified by DTSC, please enter the Certified Technology Number (Cert. #). Certified technologies appropriate for authorization, and the eligible tiers, are listed below.</p>
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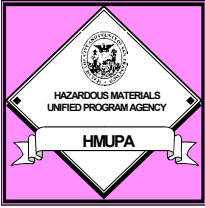
Note that reactive and extremely hazardous wastes are not allowed to be treated under any of the onsite treatment tiers, except for certain wastes under Conditionally Exempt - Specified Waste streams.

CERTIFIED TECHNOLOGIES

DTSC is authorized to certify hazardous waste technologies. Appropriate certified technologies may be eligible for CE, CA or PBR onsite treatment tiers. 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
Effective Date:	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.



Hazardous Materials Unified Program Agency
1390 Market Street, Suite 210
San Francisco, CA 94102
ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION
WASTE AND TREATMENT PROCESS COMBINATIONS
CONDITIONALLY AUTHORIZED (CA) PAGE
(one page per treatment unit - check all that apply)



Page _____ of _____

Unit ID #	606	FACILITY ID #
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6291

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 waste stream.) 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 of 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 waste stream.) 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 objects, and metal workings 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 sludges. 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 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 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. 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 waste stream.) Treatment using: (NOTE: some used oil/water separation is allowed under the CEL category.)**
 - 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. (There is no volume limit for this waste stream.)**
 - 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. **Not in use/exempted--formerly recovery of silver from photofinishing**

11. **Not in use/sunsetted--formerly treatment of spent cleaners and conditioners which are hazardous solely due to copper or copper compounds. Treatment of this waste stream is no longer allowed under Conditional Authorization as of January 1, 1998. Treatment of this waste stream now requires authorization under either Permit by Rule or, if the total volume treated is less than 55 gallons per month, under Conditionally Exempt Small Quantity Treatment.**

12. **A waste stream technology combination certified by the Department pursuant to Section 25200.1.5 of the Health and Safety Code as appropriate for authorization under Conditional Authorization.**

Waste and Treatment Process Combinations

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Complete one Waste and Treatment Process Combinations page for each unit, except CE-CL units.

(Note: the numbering of the instructions follows the data element numbers that are on the UPCF pages. These data element numbers are used for electronic submission and are the same as the numbering used in 27 CCR, Appendix C, the Business Section of the Unified Program Data Dictionary.)

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<p>627. WASTE AND TREATMENT PROCESS COMBINATIONS - CESQT 628. WASTE AND TREATMENT PROCESS COMBINATIONS - CESW 629. WASTE AND TREATMENT PROCESS COMBINATIONS - CA 630. WASTE AND TREATMENT PROCESS COMBINATIONS - PBR 631. WASTE AND TREATMENT PROCESS COMBINATIONS - CEL</p>	<p>Use the correct page for the unit. Check the waste and treatment process(es) that pertain to the unit. If the process is a technology certified by DTSC, please enter the Certified Technology Number (Cert. #). Certified technologies appropriate for authorization, and the eligible tiers, are listed below.</p>
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Note that reactive and extremely hazardous wastes are not allowed to be treated under any of the onsite treatment tiers, except for certain wastes under Conditionally Exempt - Specified Waste streams.

CERTIFIED TECHNOLOGIES

DTSC is authorized to certify hazardous waste technologies. Appropriate certified technologies may be eligible for CE, CA or PBR onsite treatment tiers. 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
Effective Date:	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.

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Hazardous Materials Unified Program Agency
1390 Market Street, Suite 210
San Francisco, CA 94102
(415)252-3900

ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION
WASTE AND TREATMENT PROCESS COMBINATIONS
PERMIT BY RULE PAGE

(one page per treatment unit - check all that apply)



Page ____ of ____

Unit ID #	606	FACILITY ID #	1												
<p>1. Aqueous wastes containing hexavalent chromium may be treated by the following process: 630</p> <p><input type="checkbox"/> 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.</p> <p>2. Aqueous wastes containing metals listed in Title 22, CCR, Section 66261.24 (a)(2) and/or fluoride salts may be treated by the following technologies:</p> <table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;"><input type="checkbox"/> a. pH adjustment or neutralization.</td> <td style="width:50%; border: none;"><input type="checkbox"/> g. Plating the metal onto an electrode.</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> b. Precipitation or crystallization.</td> <td style="border: none;"><input type="checkbox"/> h. Electrodialysis.</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> c. Phase separation by filtration, centrifugation, or gravity settling.</td> <td style="border: none;"><input type="checkbox"/> i. Electrowinning or electrolytic recovery.</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> d. Ion exchange.</td> <td style="border: none;"><input type="checkbox"/> j. Chemical stabilization using silicates and/or cementitious types of reactions.</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> e. Reverse osmosis.</td> <td style="border: none;"><input type="checkbox"/> k. Evaporation.</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> f. Metallic replacement.</td> <td style="border: none;"><input type="checkbox"/> l. Adsorption.</td> </tr> </table> <p>3. Aqueous wastes with total organic carbon less than 10% as measured by EPA Method 9060 and less than 1% total volatile organic compounds as measured by EPA Method 8240 may be treated by the following technologies:</p> <p><input type="checkbox"/> a. Phase separation by filtration, centrifugation or gravity settling, but excluding super critical fluid extraction.</p> <p><input type="checkbox"/> b. Adsorption.</p> <p><input type="checkbox"/> c. Distillation.</p> <p><input type="checkbox"/> d. Biological processes conducted in tanks or containers and utilizing naturally occurring microorganisms.</p> <p><input type="checkbox"/> e. Photodegradation using ultraviolet light, with or without the addition of hydrogen peroxide or ozone, provided the treatment is conducted in an enclosed system.</p> <p><input type="checkbox"/> f. Air stripping or steam stripping</p> <p>4. Sludges, dusts, solid metal objects and metal workings which contain or are contaminated with metals listed in Title 22, CCR, Section 66261.24 (a)(2) and/or fluoride salts may be treated by the following technologies:</p> <p><input type="checkbox"/> a. Chemical stabilization using silicates and/or cementitious types of reactions.</p> <p><input type="checkbox"/> b. Physical processes which change only the physical properties of the waste such as grinding, shredding, crushing, or compacting.</p> <p><input type="checkbox"/> c. Drying to remove water.</p> <p><input type="checkbox"/> d. Separation based on differences in physical properties such as size, magnetism or density.</p> <p>5. Alum, gypsum, lime, sulfur or phosphate sludges may be treated by the following technologies:</p> <p><input type="checkbox"/> a. Chemical stabilization using silicates and/or cementitious types of reactions. <input type="checkbox"/> c. Phase separation by filtration, centrifugation or gravity settling.</p> <p><input type="checkbox"/> b. Drying to remove water.</p> <p>6. Wastes identified in Title 22, CCR, Section 66261.120, that meet the criteria and requirements for special waste classification in Section 66261.122 may be treated by the following technologies:</p> <p><input type="checkbox"/> a. Chemical stabilization using silicates and/or cementitious types of reactions.</p> <p><input type="checkbox"/> b. Drying to remove water.</p> <p><input type="checkbox"/> c. Phase separation by filtration, centrifugation or gravity settling.</p> <p><input type="checkbox"/> d. Screening to separate components based on size.</p> <p><input type="checkbox"/> e. Separation based on differences in physical properties such as size, magnetism or density</p> <p>7. Wastes, except asbestos, which have been classified by the Department as special wastes pursuant to Title 22, CCR, Section 66261.124, may be treated by the following technologies:</p> <p><input type="checkbox"/> a. Chemical stabilization using silicates and/or cementitious types of reactions. <input type="checkbox"/> c. Phase separation by filtration, centrifugation or gravity settling.</p> <p><input type="checkbox"/> b. Drying to remove water. <input type="checkbox"/> d. Magnetic separation</p> <p>8. Inorganic acid or alkaline wastes may be treated by the following technology:</p> <p><input type="checkbox"/> a. pH adjustment or neutralization</p> <p>9. Soils contaminated with metals listed in Title 22, CCR, Section 66261.24 (a)(2), (Persistent and Bioaccumulative Toxic Substances) may be treated by the following technologies:</p> <p><input type="checkbox"/> a. Chemical stabilization using silicates and/or cementitious types of reactions. <input type="checkbox"/> c. Magnetic separation.</p> <p><input type="checkbox"/> b. Screening to separate components based on size.</p> <p>10. Used oil, unrefined oil waste, mixed oil, oil mixed with water and oil/water separation sludges may be treated by the following technologies:</p> <p><input type="checkbox"/> a. Phase separation by filtration, centrifugation or gravity settling, but excluding super critical fluid extraction.</p> <p><input type="checkbox"/> b. Distillation.</p> <p><input type="checkbox"/> c. Neutralization.</p> <p><input type="checkbox"/> d. Separation based on differences in physical properties such as size, magnetism or density.</p> <p><input type="checkbox"/> e. Reverse osmosis.</p> <p><input type="checkbox"/> f. Biological processes conducted in tanks or containers and utilizing naturally occurring microorganisms</p> <p>11. Containers of 110 gallons or less capacity which are not constructed of wood, paper, cardboard, fabric, or any other similar absorptive material, which have been emptied as specified in Title 40 of the Code of Federal Regulations, section 261.7 or inner liners removed from empty containers that once held hazardous waste or hazardous material and which are not excluded from regulation may be treated by the following technologies provided the treated containers and rinseate are managed in compliance with applicable requirements:</p> <p><input type="checkbox"/> a. Rinsing with a suitable liquid capable of dissolving or removing the hazardous constituents which the container held.</p> <p><input type="checkbox"/> b. Physical processes such as crushing, shredding, grinding or puncturing, that change only the physical properties of the container or inner liner, provided the container or inner liner is first rinsed and the rinseate is removed from the container or inner liner</p> <p>12. Multi-component resins may be treated by the following process: <input type="checkbox"/> a. Mixing the resin components in accordance with the manufacturer's instructions</p> <p>13. A waste stream technology combination certified by the Department pursuant to Section 25200.1.5 of the Health and Safety Code as appropriate for authorization under Permit by Rule.</p> <p><input type="checkbox"/></p>				<input type="checkbox"/> a. pH adjustment or neutralization.	<input type="checkbox"/> g. Plating the metal onto an electrode.	<input type="checkbox"/> b. Precipitation or crystallization.	<input type="checkbox"/> h. Electrodialysis.	<input type="checkbox"/> c. Phase separation by filtration, centrifugation, or gravity settling.	<input type="checkbox"/> i. Electrowinning or electrolytic recovery.	<input type="checkbox"/> d. Ion exchange.	<input type="checkbox"/> j. Chemical stabilization using silicates and/or cementitious types of reactions.	<input type="checkbox"/> e. Reverse osmosis.	<input type="checkbox"/> k. Evaporation.	<input type="checkbox"/> f. Metallic replacement.	<input type="checkbox"/> l. Adsorption.
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Certified Technology Number		0312 HWTreatment 19													

Waste and Treatment Process Combinations

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627. WASTE AND TREATMENT PROCESS COMBINATIONS - CESQT 628. WASTE AND TREATMENT PROCESS COMBINATIONS - CESW 629. WASTE AND TREATMENT PROCESS COMBINATIONS - CA 630. WASTE AND TREATMENT PROCESS COMBINATIONS - PBR 631. WASTE AND TREATMENT PROCESS COMBINATIONS - CEL	Use the correct page for the unit. Check the waste and treatment process(es) that pertain to the unit. If the process is a technology certified by DTSC, please enter the Certified Technology Number (Cert. #). Certified technologies appropriate for authorization, and the eligible tiers, are listed below.
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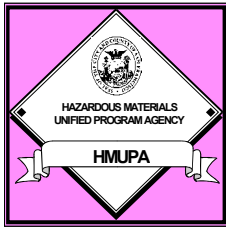
CERTIFIED TECHNOLOGIES

DTSC is authorized to certify hazardous waste technologies. Appropriate certified technologies may be eligible for CE, CA or PBR onsite treatment tiers. 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
Effective Date:	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.

Hazardous Materials Unified Program Agency
 1390 Market Street, Suite 210
 San Francisco, CA 94102
 (415)252-3900



**ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION
 WASTE AND TREATMENT PROCESS COMBINATIONS
 CONDITIONALLY EXEMPT - LIMITED (CEL) PAGE**



(one page per treatment unit - check all that apply)

Unit ID #	606	FACILITY ID #	1
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631

- 1. Puncturing, draining, or crushing of aerosol cans, at ambient temperature, using equipment or a technology combination certified by the Department of Toxic Substances Control (DTSC) pursuant to section 25200.1.5 of the Health and Safety Code. The equipment must capture gaseous and liquid contents, prevent fire, explosion, and unauthorized releases of hazardous constituents, and prevent worker exposure. The aerosol cans must be recycled as scrap metal.

_____ Certified Technology Number

NOTE: This category is not available until DTSC certifies a manufacturer's equipment.

- 2. The separation of used oil from water, provided that the waste stream is hazardous solely due to the oil and the used oil is properly transported to an authorized offsite oil recycler. Treatment using:
 - a. Gravity separation.
 - b. A centrifuge.
 - c. A membrane technology.
 - d. Heating of the water containing used oil to a temperature that is not more than 20 degrees Fahrenheit below the flashpoint of the used oil component of the mixture at atmospheric pressure.
 - e. The addition of demulsifiers to the water containing used oil.

NOTE: The authorized separation of used oil from water under this waste stream may not include contaminated groundwater or water containing any measurable amounts of gasoline or more than two percent (2%) diesel fuel (combination of Number 1 or 2 fuel).

Waste and Treatment Process Combinations

The Waste and Treatment Process Combinations pages list those waste and treatment combinations certified by DTSC pursuant to HSC 25200.1.5 for authorization under CE, CA, and PBR tiers. Each page is specific to a tier, with each tier specific page listing the wastes and treatment processes eligible under that tier. Note that some of the categories have volume or concentration restrictions that must be met in order to qualify for that tier. Additionally, some of the wastes refer to 22 CCR and others to the Health and Safety Code.

Complete one Waste and Treatment Process Combinations page for each unit, except CE-CL units.

(Note: the numbering of the instructions follows the data element numbers that are on the UPCF pages. These data element numbers are used for electronic submission and are the same as the numbering used in 27 CCR, Appendix C, the Business Section of the Unified Program Data Dictionary.)

Please number all pages of your submittal. This helps your CUPA or local agency identify whether the submittal is complete and if any pages are separated.

606. UNIT ID NUMBER - Enter the unit ID number (same as item 606 from the Onsite Hazardous Waste Treatment Notification - Unit page).

1. FACILITY ID NUMBER - Leave this blank. This number is assigned by the CUPA. This is the unique number, which identifies your facility.

<p>627. WASTE AND TREATMENT PROCESS COMBINATIONS - CESQT 628. WASTE AND TREATMENT PROCESS COMBINATIONS - CESW 629. WASTE AND TREATMENT PROCESS COMBINATIONS - CA 630. WASTE AND TREATMENT PROCESS COMBINATIONS - PBR 631. WASTE AND TREATMENT PROCESS COMBINATIONS - CEL</p>	<p>Use the correct page for the unit. Check the waste and treatment process(es) that pertain to the unit. If the process is a technology certified by DTSC, please enter the Certified Technology Number (Cert. #). Certified technologies appropriate for authorization, and the eligible tiers, are listed below.</p>
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Note that reactive and extremely hazardous wastes are not allowed to be treated under any of the onsite treatment tiers, except for certain wastes under Conditionally Exempt - Specified Waste streams.

CERTIFIED TECHNOLOGIES

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**CERTIFICATION OF FINANCIAL ASSURANCE
 FOR PERMIT BY RULE AND
 CONDITIONALLY AUTHORIZED ONSITE TREATERS**

Page _____ of _____

a. Initial Certification

b. Amended Certification

c. Annual Certification

700

(Put an asterisk in the left margin next to the amended information.)

I. FACILITY IDENTIFICATION

Business Name *(Same As Facility Name Or DBA - Doing Business As)* 3

Facility ID # 1 Facility EPA ID # 2

Type of Operation a.. PBR-FTU b.. CA c. Other _____ 701

II. ESTIMATED CLOSURE COSTS

NOTE: In addition to the dollar figure below, a written estimate of closure costs must be attached when you submit this section of the page. 702

ESTIMATED CLOSURE COSTS \$ _____

III. EXEMPTION FROM FINANCIAL ASSURANCE REQUIREMENTS

1. I am not required to provide a mechanism because: 703

a. I certify that my closure cost estimate is less than or equal to \$10,000, or

b. Specify other reason _____

2. As a PBR owner or operator, I have not operated more than thirty days in a calendar year. *(Does not apply to Conditional Authorization)* 704

IV. CLOSURE FINANCIAL ASSURANCE MECHANISM

I am required to provide a mechanism and it is attached to this page. 705 Mechanism Id Number(s): 707

Effective Date Of Closure Assurance Mechanism _____ 706

Mechanism Type *(Check one item only)* a. Closure Trust Fund d. Closure Insurance g. Multiple Financial Mechanisms
 b. Surety Bond e. Financial Test and Corporate Guarantee h. Certificate of Deposit
 c. Closure Letter of Credit f. Alternative Mechanism i. Savings Account

Financial Institution, Insurance Or Surety Company / Other Organization 709

Address 710

City 711 State 712 Zip Code 713

V. OWNER OR OPERATOR CERTIFICATION

Signer Of This Certification: a. Owner b. Operator 714

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. (22 CCR Section 66270.11)

Signature Of Owner/ Operator _____ Date 715

Name Of Owner/Operator *(Print)* 716 Title Of Owner/Operator 717

INSTRUCTIONS

Certification Of Financial Assurance

This page is to be completed by the owner or operator of a Fixed Treatment Unit operating under Permit by Rule (PBR), or a generator operating pursuant to a grant of Conditional Authorization (CA). If this is a new facility, this certification should be attached to the Onsite Hazardous Waste Treatment Notification - Facility page. If this is an existing facility and you have previously submitted a Notification, the certification and the financial assurance mechanism may be submitted without another notification.

Permit by Rule (PBR) and Conditionally Authorized (CA) operations are required to provide financial assurance for closure costs (22 CCR §67450.13(b) and HSC §25245.4). However, you are eligible for an exemption from financial assurance requirements if closure cost estimates are not more than \$10,000 (22 CCR §67450.13(d)). PBR operations that operated less than thirty (30) days in any calendar year are also eligible for an exemption (22 CCR §67450.13(e)). Complete the page even if you qualify for an exemption.

An adjustment to the closure cost estimate for inflation is required to be completed by March 1 of each year. See 22 CCR §67450.13(a)(2) for instructions on calculating the adjustment. This updated closure cost estimate must be maintained at the facility. If your cost estimate now exceeds \$10,000 for the first time, you must submit this Certification and a closure cost estimate within 30 days to your CUPA or authorized agency. If the cost estimate adjustment results in an increase and requires a change in your financial mechanism, submit this certification and revised mechanism **within 60 days** (§66265.143). Any change in information affecting the closure cost estimate or mechanism must be submitted within 30 days to your CUPA or authorized agency. Refer to 22 CCR §67450.13 for financial assurance requirements.

Note: The numbering of the instructions follows the data element numbers that are on the UPCF pages. These data element numbers are used for electronic submission and are the same as the numbering used in 27 CCR, Appendix C, the Business Section of the Unified Program Data Dictionary.) Please number all pages of your submittal. This helps us determine if the submittal is complete and if any pages are separated.

- 1 Facility ID Number** - Leave this blank. This number is assigned by DTSC. This is the unique number which identifies your facility.
- 2 EPA ID Number** - Enter the EPA ID number for the facility.
- 3 Business Name** - Enter the full legal name of the business.
- 700 Certification Status** - Check the reason the certification is being completed.
- 701 Type Of Operation** - Check the type of operation. If type of operation is not listed, check "other" and indicate type in the space provided.
- 702 Estimated Closure Costs** - Enter the total estimated cost of closing each treatment unit and attach a written estimate of the closure costs. *The estimated closure cost may be either the actual cost or the estimated cost when using your own staff and/or equipment. The closure cost estimate may take into account any salvage value that may be realized from the sale of wastes, facility structure or equipment, land or other facility assets. Following is a model closure cost estimate:*

ACTIVITY	COST
1. Removal, treatment (on-site or off-site), or disposal of waste inventories	_____
2. Removal and disposal of soil	_____
3. Decontamination of equipment and structure	_____
4. Demolition and removal of containment system components or structure	_____
5. Transportation	_____
6. Sampling and analysis of waste, soil, equipment, and structure	_____
7. Certification or other demonstration of closure ("clean" closure or specified level of decontamination)	_____
8. Other expenses (specify)	_____
9. Less Assets (salvage value of waste, equipment or property)	_____
TOTAL COST OF CLOSURE	_____

NOTE: For PBR only, if you have operated under PBR for less than 30 days in any calendar year, you qualify for an exemption. If eligible for the exemption, enter "EXEMPT" in this space.

- 703 Exemption From Financial Assurance** - Check to claim the exemption from the financial assurance requirements for total closure cost estimate less than or equal to \$10,000. A model letter using the required certifications must be submitted to claim this exemption.
- 704 Exemption From Financial Assurance - Other** - Check to claim "other" reason for exemption from financial assurance requirements. Describe the reason for the exemption in the space provided. Reference the applicable statute or regulation granting the exemption.
- 705 Exemption From Financial Assurance - <30 DAYS PER YEAR** - Check to claim the exemption from financial assurance requirements for owner or operator under PBR only and operating no more than thirty days in any calendar year.
- 706 Requirement For Financial Assurance** - Check to indicate whether the financial assurance mechanism is attached.
- 707 Date Of Closure Assurance Mechanism** - Enter the effective date of the closure financial assurance mechanism.
- 708 Mechanism Id Number** - If applicable, enter the number of the closure assurance mechanism, for example, the insurance policy number.
- 709 Closure Assurance Mechanism** - Check to indicate the type of financial mechanism established to provide the closure cost assurance. Eligible types are contained in 22 CCR §67450.13(a)(5). They are:
 - 1. A closure trust fund, as provided in 22 CCR 66265.143(a); DTSC Form 1154
 - 2. A surety bond guaranteeing payment into a closure trust fund, as described in 22 CCR 66265.143(b); either DTSC Form 1155 or 1156 with DTSC Form 1154
 - 3. A closure letter of credit, as described in 22 CCR 66265.143(c); DTSC Form 1157
 - 4. Closure insurance, as described in 22 CCR 66265.143(d); DTSC Form 1158
 - 5. A financial test and corporate guarantee for closure, as described in 22 CCR 66265.143(e); either DTSC Form 1159 or 1173
 - 6. An alternative mechanism for closure costs, as described in 22 CCR 67450.13(c); (no form)
 - 7. Use of multiple financial mechanisms for closure costs, as described in 22 CCR 66265.143(g); (no form)
 - 8. A certificate of deposit, as described in section 3-104(2)(c) of the Uniform Commercial Code; (no form) or,
 - 9. A savings account, as described in section 4-104(a) of the Uniform Commercial Code; (no form).

These mechanisms require use of the additional DTSC Financial Assurance forms referenced above. These forms are available from the CUPA or the DTSC Regional Office. When using these forms, verify that the beneficiary is the CUPA, rather than DTSC.

710 Financial Institution Or Surety Name 711 Financial Institution Or Surety Address 712 Financial Institution Or Surety City 713 Financial Institution Or Surety State 714 Financial Institution Or Surety Zip Code	For items 710 - 714 , enter the name and address of the financial institution, insurance company, surety company, or other appropriate organization used to establish the closure financial assurance. Indicate your company if you are using a corporate guarantee and financial test.
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715 Signer Of Certification - Check to indicate whether the person certifying is the owner or the operator of the facility.
 Signature - The business owner, or officer of the company who is authorized to make decisions for the facility and who has operational control, shall sign in the space provided. The authorized signatory must be completed as specified in Title 22, CCR, section 66270.11. In most companies, this is not the environmental compliance or technical staff. The title should indicate that an appropriate authorized person is signing for the company. Original signatures are required on all documents submitted.

- 716 Date Certified** - Enter the date that the document was signed
- 717 Owner/ Operator Name** - Enter the full printed name of the person signing the page.
- 718 Owner/ Operator Title** - Enter the title of the person signing the page.