## CONDITIONALLY EXEMPT SMALL QUANTITY TREATMENT (CESQT) PAGE KERN COUNTY ENVIRONMENTAL HEALTH DIVISION Unified Program Consolidated Form (UPCF)

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**ONSITE TIERED PERMITTING** 

## WASTE AND TREATMENT PROCESS COMBINATIONS (one page per treatment unit – check all that apply)

UNIT ID#			606	FACILI	TY ID#									1				Page	of
CESQT = treats < 55 gallons or 500 pounds of hazardous waste in any calendar month in <u>ALL</u> units at this facility ( <u>NOT</u> a limit for each wastestream or unit separately). CESQT genera																			
may not hold other state or federal hazardous waste permit or authorization for this facility, including other onsite tiers.																			
1.	Aqueo 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.	a. b. c. d. e. f.	Precipitation or crystallization.  Phase separation by filtration, centrifugation or gravity settling.  Ion exchange.  In Electrodialysis  Electrowinning or electrolytic recovery  Chemical stabilization using silicates and/or cementitious types of reactions.							s.										
3.	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.																		
<b>4.</b>	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.																		
5.   	Alum, a. b.																		
6.		Drying to remove water. Phase separation by filtration, centrifugation or gravity settling. Screening to separate components based on size.																	
7.	Waste a. b.	s, except asbestos, which has Chemical stabilization usin Drying to remove water						pursua	nt to T c. d.	Phase se		by filti					the following the settling		ogies:
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.																		
10.	used of a. b. c. d. e. f.	l oil, unrefined oil waste, mixed oil, oil mixed with water and oil/water separation sludges may be treated by the following technologies:  Phase separation by filtration, centrifugation or gravity settling, but excluding super critical fluid extraction.  Distillation.  Neutralization.  Separation based on differences in physical properties such as size, magnetism or density.  Reverse osmosis.  Biological processes conducted in tanks or containers and utilizing naturally occurring microorganisms.																	
11.	specifi which																		
12.	Multi-	fulti-component resins may be treated by the following process:  a. Mixing the resin components in accordance with the manufacturer's instructions.																	
13.	A was	te stream technology combi	nation	certified b	y the Division pu	rsuai	nt to Section	25200	.1.5 of 1	he Healtl	n and Sa	fety Co	ode as	appr	opriate	for autl	orization	under CES	QT.

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Certified Technology Number

## **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 the Kern County Environmental Health Division (KCEHD) 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 KCEHD. This is the unique number which identifies your facility.

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

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 Wastestreams.

## **CERTIFIED TECHNOLOGIES**

DTSC is authorized to certify hazardous waste technologies. Appropriate certified technologies may be eligible for CE, CA or PBR onsite treatment tiers. A copy of published Certification Statements updates may be obtained by contacting DTSC at (916) 322-3670 or from the DTSC web site at:

www.dtsc.ca.gov/database/TechCert/company\_index.cfm.

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