

# TRANSPORTABLE TREATMENT UNIT PERMIT BY RULE SITE-SPECIFIC NOTIFICATION

For Use by Transportable Treatment Unit (TTU)  
Treating Hazardous Waste Under Permit By Rule  
(Pursuant to CCR, title 22,, chapter 45)

- Initial
- Amended
- Extension

*This form is to be used by all Permit-by-Rule (PBR) Transportable Treatment Units (TTUs) only. This Transportable Treatment Unit Permit-By-Rule, Site-Specific Notification supersedes DTSC Form 8429A. When submitting an amended notification, put an asterisk next to the amended information. Please check the extension box only if you are requesting authorization for work beyond the one year time limit. The wastestreams treated must be limited to those listed in California Code of Regulations (CCR), title 22, section 67450.11, which are also listed on this form.*

## I. GENERAL TTU INFORMATION

COMPANY EPA ID NUMBER CA \_\_\_\_\_

BOE NUMBER (if available) H \_\_\_ HQ \_\_\_\_\_ TTU SERIAL NUMBER \_\_\_\_\_

COMPANY NAME (DBA-Doing Business As) \_\_\_\_\_

PHYSICAL LOCATION \_\_\_\_\_

CITY \_\_\_\_\_ CA ZIP \_\_\_\_\_ - \_\_\_\_\_

COUNTY \_\_\_\_\_

COMPANY MAILING ADDRESS, IF DIFFERENT:

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_ - \_\_\_\_\_

OWNER \_\_\_\_\_

OWNER PHONE NUMBER (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

TTU OPERATOR INFORMATION, ONLY IF DIFFERENT FROM OWNER

OPERATOR NAME \_\_\_\_\_

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_ - \_\_\_\_\_

OPERATOR PHONE NUMBER (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

TTU CONTACT PERSON \_\_\_\_\_ PHONE NUMBER (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_  
first name) (last name)

EPA ID NUMBER \_\_\_\_\_

**TRANSPORTABLE TREATMENT UNIT PERMIT-BY-RULE  
SITE-SPECIFIC NOTIFICATION**

**II. TREATMENT SITE INFORMATION**

TREATMENT SITE EPA ID NUMBER CA \_\_\_\_\_

TREATMENT SITE NAME / ADDRESS \_\_\_\_\_

STREET \_\_\_\_\_

CITY \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_ ZIP \_\_\_\_\_ - \_\_\_\_\_

CONTACT PERSON \_\_\_\_\_ TELEPHONE (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_  
(first) (last)

IS TREATMENT SITE LOCATED ON INDIAN LANDS? \_\_\_ Yes \_\_\_ No

**III. TYPE OF COMPANY AT TREATMENT SITE - STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE**

*Use either one or two SIC codes (a four digit number) that best describe the treatment site's products, services, or industrial activity.*

Example: 2911 Petroleum Refining                      3731 Ship Building & Repair

First: \_\_\_\_\_ Second: \_\_\_\_\_

**IV. WORK SCHEDULE**

*Indicate the normal working hours and the dates during this calendar year.*

Normal Hours of Work - From \_\_\_\_\_ to \_\_\_\_\_

Dates on Site - From \_\_\_\_\_ to \_\_\_\_\_

If you plan on more dates, attach a separate piece of paper showing the additional dates in the same format and check this box.

**TRANSPORTABLE TREATMENT UNIT PERMIT-BY-RULE  
SITE-SPECIFIC NOTIFICATION**

**V. WASTESTREAMS AND TREATMENT PROCESSES**

Estimated Total Volume Treated \_\_\_\_\_ pounds and/or \_\_\_\_\_ gallons

YES NO

- Is the waste treated in this unit radioactive?
- Is the waste treated in this unit a bio-hazardous/infectious/medical waste?
- Is remotely generated hazardous waste (Health and Safety Code section 25110.10) treated in this unit?

*The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:*

**1. Aqueous wastes containing hexavalent chromium may be treated by the following process:**

- 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 CCR, title 22, section 66261.24 (a)(2) and/or fluoride salts may be treated by the following technologies:**

- a. pH adjustment or neutralization.
- b. Precipitation or crystallization.
- c. Phase separation by filtration, centrifugation, or gravity settling.
- d. Ion exchange.
- e. Reverse osmosis.
- f. Metallic replacement.
- g. Plating the metal onto an electrode.
- h. Electrodialysis.
- i. Electrowinning or electrolytic recovery.
- j. Chemical stabilization using silicates and/or cementitious types of reactions.
- k. Evaporation.
- l. Adsorption.

**TRANSPORTABLE TREATMENT UNIT PERMIT-BY-RULE  
SITE-SPECIFIC NOTIFICATION**

3. Aqueous wastes with total organic carbon less than ten percent (10%) as measured by EPA Method 9060 and less than one percent (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 supercritical 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 CCR, title 22, 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 CCR, title 22, section 66261.120, that meet the criteria and requirements for special waste classification in section 66261.122, 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.

**TRANSPORTABLE TREATMENT UNIT PERMIT-BY-RULE  
SITE-SPECIFIC NOTIFICATION**

7. Wastes, except asbestos, which have been classified by the Department as special wastes pursuant to CCR, title 22, 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 CCR, title 22, 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 supercritical 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.

**TRANSPORTABLE TREATMENT UNIT PERMIT-BY-RULE  
SITE-SPECIFIC NOTIFICATION**

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 40 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. Certified Technology:

- a. A wastestream 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 PBR.

Please enter certification number: \_\_\_\_\_ (See Appendix 5).

**VI. NARRATIVE DESCRIPTIONS:**

*Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED:

2. TREATMENT PROCESS(ES) USED:

## TRANSPORTABLE TREATMENT UNIT PERMIT-BY-RULE SITE-SPECIFIC NOTIFICATION

**VII. RESIDUAL MANAGEMENT:** *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

- | YES                      | NO                       |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?  |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Do you discharge non-hazardous aqueous waste under an NPDES permit?   |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler?<br>If you do, where is the waste sent? Check all that apply. |
|                          |                          | <input type="checkbox"/> a. Off-site recycling   |
|                          |                          | <input type="checkbox"/> b. Thermal treatment  |
|                          |                          | <input type="checkbox"/> c. Disposal to land   |
|                          |                          | <input type="checkbox"/> d. Further treatment  |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Do you dispose of non-hazardous solid waste residues at an offsite location?  |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Other method of disposal. Specify:<br>_____   |

**VIII. BASIS FOR NOT NEEDING A FEDERAL PERMIT**

*In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (40 Code of Federal Regulations (40 CFR)).*

*Choose the reason(s) that describe the operation of your onsite treatment units:*

- 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.
- 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR part 260.10, and discharged to a publicly owned treatment works (POTW)/sewerage agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.
- 3. The waste is treated in elementary neutralization units, as defined in 40 CFR part 260.10, and discharged to a POTW/sewerage agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR part 270.2.
- 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR part 260.10; 40 CFR part 264.1(g)(5).
- 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR part 261.5.

**TRANSPORTABLE TREATMENT UNIT PERMIT-BY-RULE  
SITE-SPECIFIC NOTIFICATION**

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- 6. The waste is treated 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. 40 CFR 262.34, 40 CFR part 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.
- 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR part 261.6(a)(2)(iv), 40 CFR part 264.1(g)(2), and 40 CFR part 266.70.
- 8. Empty container rinsing and/or treatment. 40 CFR part 261.7.
- 9. Other. Specify:  
\_\_\_\_\_  
\_\_\_\_\_

**IX. ATTACHMENTS:**

- A. A plot plan/map detailing where the hazardous waste treatment will occur.
- B. A certification specifying the local agencies that have been notified of the operation.
- C. A copy of any local air district permit or other permits required for the operation of the TTU.
- D. Documentation that the facility operator has notified the property owner of the operation of the unit. (Required only when the property owner is different from the generator/operator.)
- Check this box if the generator is also the property owner.
- E. Generator's waste minimization certification as specified in CCR, title 22, Section 66262.45, if applicable.
- F. The Phase I Environmental Assessment Checklist, if applicable. The Phase I Environmental Assessment Checklist is only be required if the TTU owner/operator is the generator of the waste. The Phase I Environmental Assessment Checklist must be submitted by January 1, 1997, or within one year of the date when the PBR TTU owner/operator is initially authorized to operate at the site, whichever date is later.
- G. The containment system certifications required by CCR, title 22, sections 66264.175(c) for containers containment systems, if applicable.

**TRANSPORTABLE TREATMENT UNIT PERMIT-BY-RULE  
SITE-SPECIFIC NOTIFICATION**

X. **CERTIFICATIONS:** *This form must be signed by an authorized corporate officer or any other person in the company who has operational control and performs decision-making functions that govern operation of the facility (per CCR, title 22, (CCR) section 66270.11). Both copies must have original signatures*

**OWNER 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.

\_\_\_\_\_  
Name (Print or Type)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date Signed

**OPERATOR 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.

\_\_\_\_\_  
Name (Print or Type)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date Signed

**SUBMISSION PROCEDURES**

You must submit two sets of this completed notification, with original signatures and attachments, by certified mail, return receipt requested, to:

Department of Toxic Substances Control  
Program Data Management  
Attn: TTU Notifications  
1001 I Street  
Sacramento, California 95812