

TRANSPORTABLE TREATMENT UNIT PERMIT-BY-RULE/CONDITIONAL EXEMPTION UNIT-SPECIFIC NOTIFICATION

For Use By Transportable Treatment Unit (TTU) Treating Hazardous Waste
Under Conditional Exemption and Permit-By-Rule.
(Pursuant to Health and Safety Code 25201.5 and
Title 22, California Code of Regulations, Chapter 45)

- Initial
- Amended
- Renewal

Please refer to the attached instructions before completing this form. This form is to be used by all Permit-By-Rule and Conditionally Exempt Transportable Treatment Units (TTUs) only. The TTU Permit-by-Rule/Conditional Exemption Unit-Specific Notification Form supersedes DTSC Form 8429. You may notify for more than one permitting tier by using this notification form, DTSC Form 1199. You must attach a separate TTU Site-Specific Notification Form for each TTU you operated. There are different site-specific notification forms for each of the three categories. You only have to submit forms for the tier(s) that cover your unit(s). Please recycle the other unused forms. Put your EPA ID Number on each page. Please provide all of the information requested; all fields must be completed except those that state 'if different' or 'if available'. Please type the information provided on this form and any attachments. Please submit four sets of the completed notification package with original signatures to the Department.

I. NOTIFICATION CATEGORIES

Indicate the tiers(s) that your TTU will operate in. Conditionally Exempt Small Quantity Treatment (CESQT) operators may not operate units under any other tier.

- A. ____ Conditionally Exempt-Small Quantity Treatment (CESQT)
- B. ____ Conditionally Exempt-Specified Wastestream (CESW)
- C. ____ Permit by Rule (PBR)

II. GENERAL TTU INFORMATION

COMPANY EPA ID NUMBER CA _____

BOE NUMBER (if available) H ____ HQ _____ TTU SERIAL NO. _____

COMPANY NAME (DBA-Doing Business As) _____

EPA ID NUMBER _____

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PHYSICAL LOCATION _____

CITY _____ CA ZIP _____ - _____

COUNTY _____

COMPANY MAILING ADDRESS, IF DIFFERENT:

STREET _____

CITY _____ STATE ____ ZIP _____ - _____

OWNER NAME _____

OWNER TELEPHONE NUMBER (_____) _____ - _____

TTU CONTACT PERSON _____ PHONE NUMBER (_____) _____ - _____
(first name) (last name)

EPA ID NUMBER _____

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TTU OPERATOR(S) INFORMATION, ONLY IF DIFFERENT FROM OWNER

List all Operators that will be operating this unit. If more than 3 operators, please attach list of the additional operators.

OPERATOR #1 NAME _____

STREET _____

CITY _____ STATE ____ ZIP _____ - _____

CONTACT PERSON _____ TELEPHONE # (____) ____ - _____
(First) (Last)

OPERATOR #2 NAME _____

STREET _____

CITY _____ STATE ____ ZIP _____ - _____

CONTACT PERSON _____ TELEPHONE # (____) ____ - _____
(First) (Last)

OPERATOR #3 NAME _____

STREET _____

CITY _____ STATE ____ ZIP _____ - _____

EPA ID NUMBER _____

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CONTACT PERSON _____ TELEPHONE # (____) ____ - _____
(First) (Last)

OPERATOR #4 NAME _____

STREET _____

CITY _____ STATE ____ ZIP _____ - _____

CONTACT PERSON _____ TELEPHONE # (____) ____ - _____
(First) (Last)

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III. WASTESTREAMS AND TREATMENT PROCESSES:

A. CONDITIONAL EXEMPTION - SMALL QUANTITY TREATMENT (CESQT):

Estimated Monthly Total Volume Treated: _____ pounds and/or _____ gallons

The following are the eligible wastestreams and treatment processes. To be eligible to treat under Conditional Exemption - Small Quantity Treatment (CESQT), the TTU can have no other authorization from DTSC, including Conditional Exemption - Specified Wastestream (CESW). 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 Title 22, CCR, 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.

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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 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 66261.122 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.

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- 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.

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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. 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 operation under CESQT.
Please enter certification number: _____ (See Appendix 5).

B. CONDITIONAL EXEMPTION - SPECIFIED WASTESTREAMS (CESW)

Estimated Monthly Total Volume Treated: _____ pounds and/or _____ gallons

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

- 1. Treating resins mixed or cured in accordance with the manufacturer's instructions (including one-part and pre-impregnated materials).
- 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.
- 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

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by the department pursuant to Title 22, CCR, section 66261.124.

NOTE

- 5. **NO AUTHORIZATION IS NEEDED** to neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (To be eligible for this exemption, this waste cannot contain more than 10 percent acid or base by weight.) (Effective January 1, 1995).

- 6. **NO AUTHORIZATION IS NEEDED** to neutralize acidic or alkaline (base) wastes from the food processing industry. (Effective January 1, 1996).

- 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

NOTE

Silver recovery from photofinishing is completely exempt from authorization requirements if the quantity treated is 10 gallons or less in any calendar month. Do not complete this form if you qualify for this exemption. (Retain documentation verifying your eligibility for this exemption, such as developer invoices).

- 8. Gravity separation of the following, including the use of flocculents 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).

- 9. Neutralizing acidic or alkaline (basic) material by a state certified laboratory or 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.)

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10. Hazardous waste treatment is carried out in quality control or a quality assurance laboratory at a facility that is not an off-site hazardous waste facility.

11. 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 CESW.

Please enter certification number: _____ (See Appendix 5).

12. The treatment of formaldehyde or glutaraldehyde by a healthcare facility using a technology combination certified by the Department pursuant to section 25200.1.5 of the Health and Safety Code as appropriate for authorization under CESW.

Please enter certification number: _____ (See Appendix 5).

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C. PERMIT-BY-RULE (PBR) WASTESTREAMS:

Estimated Monthly Total Volume Treated: _____ pounds and/or _____ gallons

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 Title 22, CCR, 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.

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.

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- 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 66261.122, 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.

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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 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.

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

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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).

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IV. 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:

V. ATTACHMENTS

A. PRIOR ENFORCEMENT HISTORY (FOR PBR TTUs ONLY)

YES NO Within the last three years, has this facility been 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?

(For the purposes of this form, a notice of violation does not constitute an order and need not be reported unless it was not corrected and became a final order.)

If you answered Yes, check this box and attach a listing of convictions, judgments, settlements, or orders and a copy of the cover sheet from each document.

FOR ALL TTUs (PBR AND CE)

B. A brief description of how the treatment unit operates (e.g., continuous, batch, intermittent, etc). The manufacturer's operation specification sheet can be used to satisfy this requirement. (Mandatory)

FOR PBR TTUs ONLY

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- C. Financial Assurance for Closure must be provided on or after October 1, 1996, using DTSC Form 8113 (1/96).

NOTE: PBR facilities are no longer required to provide a financial responsibility mechanism to cover third party liability costs, per Senate Bill 1291 (Chapter 640, Statutes of 1995).

- D. The tank containment system certifications required by Title 22, CCR, sections 66265.191(a) and 66265.192(a) for tanks, if applicable.

NOTE: All PBR and CE TTU owners and operators must submit a site-specific notification form to the Department for each site prior to treatment at the site. PBR TTUs must submit the site notification at least 21 days prior to treatment. CE TTUs must submit the site notification at least 60 days prior to treatment. Review periods can be shorten upon request.

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VI. **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 title 22, California Code of Regulations (CCR) section 66270.11). All four 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 understand that if any of the units operate under Permit by Rule, I will also provide financial assurance for closure of the treatment unit by October 1, 1996.

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
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Signature	Date Signed
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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.

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Name (Print or Type)

Title

Signature

Date Signed

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

Department of Toxic Substances Control
Attn: TTU Notifications
1001 I Street,
Sacramento, California 95814

TTUs operating under CE are legally authorized 60 days after submitting a complete notification. DTSC may shorten the time period between notification and authorization when the owner or operator shows good cause. If you need to be authorized sooner than the standard 60-day period, please submit with your notification a cover letter that states the reason. Authorization is effective on the date your authorization letter is issued.