

Southwest Clean Air Agency

Application for Cleanup of Petroleum Contaminated Soil

This application is for the following activity:

Table with 2 columns: Treatment Activity Proposed, Complete Questions Listed. Rows include On-site Bioremediation, On-site Soil Vapor Extraction, On-site or Off-site Thermal Treatment, Off-site Bioremediation, and Off-site Soil Vapor Extraction.

< COMPLETE THE FOLLOWING INFORMATION AS REQUIRED ABOVE >

- 1. Facility Information: UST cleanup project where contaminated soils originated. WDOE Number: Facility Name: Facility Address: Project Contact: Phone: Fax:
2. Attach a completed and signed Property Owner Statement for the treatment site and the site where the soils will be placed after treatment is complete (soil disposition site).
3. Attach a written Soil Treatment Plan, using the "Guidance for Remediation of Petroleum Contaminated Soils" guidance document and treatment plan form or a written report which contains all elements of the form. (Published by WDOE, Toxics Cleanup Program, April 1994)
4. Attach a Notice of Construction for approval of the proposed equipment.
5. Attach a statement describing the need and justification for the proposed project. What other disposal or treatment options were considered and why is this the most appropriate treatment method?
6. Provide confirmation with the city/county zoning authorities that the proposed treatment activity for the treatment site property is compatible with local land use ordinances. Verify with the local land use authority that the proposed activity is allowed for that property. Provide name, date and phone number of person contacted for approval of activity.

Name of Official: Date:
Department: Phone:

BY THE FOLLOWING SIGNATURE, THE UNDERSIGNED PARTY STATES THAT ALL INFORMATION SUBMITTED WITH THIS APPLICATION, INCLUDING ATTACHMENTS, IS TRUE AND CORRECT TO THE BEST OF YOUR KNOWLEDGE. APPLICANT IS BOUND TO FOLLOW THE PROCEDURES OUTLINED IN THIS PLAN. SIGNATURE ALSO ACKNOWLEDGES THAT ANY APPROVAL MAY BE SUSPENDED OR REVOKED IF THE APPLICATION CONTAINS A MATERIAL MISREPRESENTATION OR FALSE STATEMENT.

Applicant Name: (please print) Date:

Signature: Phone:

Southwest Clean Air Agency

UST SOIL CLEANUP - BIOREMEDIATION TREATMENT PLAN

Complete the following information and submit with the Application for Cleanup of Petroleum Contaminated Soil. Please type or print.

WDOE Site Number: _____

Facility where contaminated soils originated:

Responsible Party Name:

Facility Name: _____

Address: _____

Property where treatment of petroleum contaminated soil will occur:

Treatment Site Name: _____

Address: _____

Note: A signed statement from the property owner regarding use of the property for treatment of contaminated soil must be attached.

Property where treated soils will be placed once treatment is complete:

Location Name: _____

Address: _____

1. Describe how the treatment site was selected as appropriate for treating petroleum contaminated soil:

2. Y N Is the treatment area located near (<100 feet) a wetlands, stream, or residential area? If yes, explain:

3. Describe how the underlying soils, surface water, or groundwater in the treatment area will be protected from coming in contact with the contaminated soil:

4. Describe how surface water run-off and run-on will be controlled within the treatment area:

5. Y N Will the contaminated soil be kept covered and the cover anchored whenever it rains or treatment is not actively in progress? Who will be responsible for this?

6. Describe how you will handle any leachate that collects in the treatment area:

7. Y N Will the treatment site be completely fenced? If no, describe how adequate site security will be maintained to prevent unauthorized access to the treatment area:

8. Describe how the creation of public safety concerns, environmental hazards, or nuisance conditions (such as odors or dust) will be prevented at the treatment site:

9. Attach a sketch or drawing (does not need to be drawn to scale) of the proposed treatment area that displays:

- a. The location of the treatment area in relation to existing structures on the subject property and adjacent properties; indicate relative distances.
- b. The size of the proposed treatment area.
- c. A brief description of the current use of both the subject property and adjacent properties.

10. Type of petroleum contamination (check all that apply):

Gasoline Diesel Waste Oil Heating Oil Other _____

Note: If any waste oil contaminated soil is proposed for treatment, you must also include a copy of sample results and chain of custody forms for halogenated solvents, BTEX, and TCLP, Pb, Cr, & Cd (plus PCBs as necessary).

11. Estimated volume of soil to be treated: _____ (cubic yards)

12. Highest concentration of TPH detected in the excavated soil:

Value: _____ ppm TPH by TPH-G or TPH-D (circle one)

ATTACH COPY OF ALL ANALYTICAL DATA AND CHAIN OF CUSTODY FORMS. IF ADDITIONAL PARAMETERS WERE ANALYZED (FOR THE EXCAVATED SOIL) OTHER THAN TPH, ATTACH COPIES OF THESE ADDITIONAL TEST RESULTS AND CHAIN OF CUSTODY FORMS.

13. At what depth will the contaminated soil be spread within the treatment area: _____ (inches). If greater than 15 inches, explain why:

14. Describe what method(s) will be used to enhance treatment:

15. Work associated with treatment enhancement will be done on the following schedule:

_____ times per day / week / month (circle one)

Work will be done by: _____ (company name)
_____ (individual name and phone)

16. The treatment site will be inspected on the following schedule:

_____ times per day / week / month (circle one)

Inspections will be made by: _____ (company & individual)

17. _____ (#) discrete / composite (circle one) interim samples will be collected every week / month / quarter (circle one) to demonstrate treatment progress.

18. Interim samples will be analyzed for (circle all that apply):

TPH-G TPH-D TPH by _____ Other: _____

19. _____ (#) discrete final samples will be collected to determine that the contaminated soil has been successfully treated.

20. Describe how the appropriate number of interim and final samples to collect was determined:

21. Describe how sample locations will be chosen for all interim and final samples to be collected:

22. Final samples will be analyzed for (circle all that apply):

TPH-G TPH-D TPH by _____ Other: _____

23. It is estimated that it will take approximately _____ weeks / months (circle one) to complete the treatment based on the amount of soil to be treated, concentrations of contamination and treatment method to be used.

NOTE: If treatment will take longer than three months to complete, quarterly progress reports must be submitted.

24. The proposed final treatment level for TPH is (circle one):

_____ mg/kg TPH-G TPH-D TPH- _____ Other _____

If the level is greater than the most stringent cleanup standards for gasoline or diesel contamination, explain why this level is justified (see question 33):

25. Describe how the treated soil will be field-screened as it is moved to the final disposition site, once treatment _____ is _____ complete:

26. Describe what actions will be taken if further contamination is discovered during the screening process:

27. Field screening will be performed by:

Name: _____ Company: _____

28. _____ (#) discrete / composite (circle one) closure samples will be collected to determine that the area under the treatment site has not been contaminated.

29. Describe how the appropriate number of closure samples to collect was determined:

30. Describe how sample locations will be chosen for all closure samples to be collected:

31. Closure samples will be analyzed for (circle all that apply):

TPH-G TPH-D TPH by _____ Other: _____

32. List the name of the company and/or individual who will collect:

INTERIM (periodic) samples: _____

FINAL (treatment) samples: _____

CLOSURE (underneath) samples: _____

NOTE: All sample collection and analyses must be performed in accordance with proper sampling protocols, chain of custody, and quality assurance/quality control requirements. Samples should be collected by the Responsible Party.

33. Y N It is proposed that treated soils will be reused in the original tank excavation. If yes:

Y N Was the ground water encountered or likely to be encountered?

34. Y N Is the final disposition site located near (<100 feet) a wetland, stream, 100-year floodplain or residential area?

35. Is the final disposition site (check and/or circle all that apply):

_____ Authorized Landfill (to be used as cover)

_____ Public or private roadway (to be used as subgrade)

_____ Private property - industrial / commercial / residential

NOTE: If the treated soil will be reused as fill at any site other than the original excavation, as cover at a landfill, or as (public) road subgrade, then you must attach a statement signed by the property owner.

36. Describe how the treated soil will be managed at the final disposition site to minimize/prevent human contact and contact with ground water or surface waters: _____

THIS PLAN WAS PREPARED BY:

DATE: _____

Individual: _____ Phone: _____

Company:

Address:

PROPERTY OWNER STATEMENT

TREATMENT SITE

FACILITY INFORMATION (UST cleanup project where soils originated)

WDOE Number: _____

Facility Name: _____

Facility Address: _____

TREATMENT SITE INFORMATION (location where soils will be treated)

Site Address: _____

Tax Lot #(s): _____ County: _____

Approximate size of property:

Acres: _____ or Sq. Ft.: _____ or Dimensions: _____

Property Owner Name: _____

Mailing Address: _____

Phone Number: _____

THE PROPERTY OWNER WHERE TREATMENT WILL OCCUR MUST SIGN AND DATE THE FOLLOWING STATEMENT:

As the owner of the property listed above which is proposed to be used as a petroleum contaminated soil treatment area, I agree that only petroleum contaminated soils from the UST cleanup project listed above will be allowed to be deposited and treated on this property. I agree that this is a one-time only use of this property for this purpose. I, or a representative for me, have confirmed that this activity is compatible with local land use ordinances. I also understand that I may be jointly responsible and liable for any future problems arising from this treatment project.

Signature: _____ Date: _____

This signed statement must be included with the Bioremediation Treatment Plan.

PROPERTY OWNER STATEMENT

FINAL SOIL DISPOSITION

FACILITY INFORMATION (UST cleanup project where soils originated)

WDOE Site Number: _____

Facility Name: _____

Facility Address: _____

FINAL DISPOSITION SITE INFORMATION (property where treated soil will be placed once complete)

Site Address: _____

Tax Lot #(s): _____ County: _____

Approximate size of property:

Acres: _____ or Sq. Ft.: _____ or Dimensions: _____

Property Owner Name: _____

Mailing Address: _____

Phone Number: _____

**THE PROPERTY OWNER WHERE THE TREATED SOILS WILL BE DEPOSITED
MUST SIGN AND DATE THE FOLLOWING STATEMENT:**

As the owner of the property listed above which will receive the treated soil from the UST cleanup project also listed above once treatment is complete, I agree to ensure that the soils will be placed on my property such that they are 1) above seasonal high groundwater levels, 2) not located near wetlands or surface water, 3) not located within a 100 year floodplain, and 4) will be placed out of human contact or possible exposure. I also understand that I may be jointly responsible and liable for any future problems arising from this soil disposition activity.

Signature: _____ Date: _____

This signed statement must be included with the Bioremediation Treatment Plan.