

Attachment E209: Site Remediation Equipment Supplemental Application Form

Applicant Name: _____
Unit No.: _____

DEEP USE ONLY
App. No.: _____

Complete this form in accordance with the [instructions](#) (DEEP-NSR-INST-209) to ensure the proper handling of your application. Print or type unless otherwise noted.

Complete a separate form for *each* unit of an installation.

Questions? Visit the [Air Permitting](#) web page or contact the Air Permitting Engineer of the Day at 860-424-4152.

Part I: General

Manufacturer and Model Number	
Construction Date	
Type of Remediation Process	
Type of Equipment	<input type="checkbox"/> Stationary <input type="checkbox"/> Portable If portable, indicate initial location:
Type of Contaminants and Concentrations	
Is this unit subject to Title 40 CFR Part 60, NSPS?	<input type="checkbox"/> No <input type="checkbox"/> Yes, Subpart(s)
Is this unit subject to Title 40 CFR Part 63, MACT?	<input type="checkbox"/> No <input type="checkbox"/> Yes, Subpart(s)
Maximum Operating Schedule	_____ hours/day _____ hours/year

Part II: Air Stripper Only

Number of Wells	
Maximum Flow Rate	gpm
Stripping Rate	lb/hour
Control Equipment	<input type="checkbox"/> Carbon Bed <input type="checkbox"/> Catalytic Oxidizer <input type="checkbox"/> Thermal Oxidizer <input type="checkbox"/> Other (specify): _____

Part III: Soil Vapor Extraction Only

Number of Wells	
Maximum Fan Capacity	acfm
Stripping Rate	lb/hour
Control Equipment	<input type="checkbox"/> Carbon Bed <input type="checkbox"/> Catalytic Oxidizer <input type="checkbox"/> Thermal Oxidizer <input type="checkbox"/> Other (specify): _____

Part IV: Low Temperature Thermal Desorbers Only

A: Primary Treatment Unit (PTU)

Maximum Soil Throughput	tons/hour
Drum Speed Range	RPM
Soil Residence Time Range	minutes
Operating Temperature Range	°F
Expected Soil Entrainment Rate	lb/hour
Maximum Total Petroleum Hydrocarbon Rate	ppmw
Anticipated Total Petroleum Hydrocarbon Rate	ppmw Specify Throughput: tons/hour
Soil Moisture Content Range	% by weight
Contaminated Storage Piles	<input type="checkbox"/> Enclosed <input type="checkbox"/> Covered <input type="checkbox"/> None <input type="checkbox"/> Other (specify):
Treated Storage Piles	<input type="checkbox"/> Enclosed <input type="checkbox"/> Covered <input type="checkbox"/> None <input type="checkbox"/> Other (specify):
Soil Blending	<input type="checkbox"/> Yes <input type="checkbox"/> No

B: Primary Treatment Unit Auxiliary Burner System

Number of Burners					
Burner Manufacturer(s) and Model No(s)					
Maximum Heat Input	MMBtu/hour				
Fuel Information					
Fuel Type	% Sulfur by Weight	Higher Heating Value (BTU)	Maximum Hourly Firing Rate	Maximum Annual Fuel Usage	Units (gal or ft³)

Part V: Attachments

Please check the attachments being submitted as verification that all applicable attachments have been submitted with this application form. When submitting such documents, please label the documents as indicated in this Part (e.g., Attachment E209-A, etc.) and be sure to include the applicant's name.

- Attachment E209-A: *Process Information and Flow Diagram* – Submit a process flow diagram indicating all related equipment, air pollution control equipment and stacks, as applicable. Identify all materials entering and leaving each such device indicating quantities and parameters relevant to the proper operation of the device. Indicate all monitoring devices and controls. **REQUIRED**

- Attachment E209-B: *Contaminants and Concentrations* – Submit documentation, such as pilot test data, which characterizes the site's degree of contamination listing all types of contaminants in the soil/water to be remediated (e.g., gasoline, 1,1,1-trichloroethane, coal tar, diesel fuel, etc.) and their concentrations in parts per million by weight (ppmw). Include other soil or water contaminants (those which are not petroleum hydrocarbons) to be treated, and their concentrations in parts per million by weight (ppmw) (e.g., metals, solvents, coal tar, etc.). **REQUIRED**