SOIL REMEDIATION PROCESS

- Submit this form in addition to Form B, C, D, E, or F, depending upon the type of equipment/process to be installed.
- Before acting on an Application for Authority to Construct and/or Permit to Operate, the District may require further information, plans, or specifications.
- Please type or print the information requested below.

1. Company Name: ____________________________

2. Equipment Address: ____________________________

A. SITE ASSESSMENT/MITIGATION PROJECT STATUS

3. SA/M Case Worker ____________________________ Phone # (____) _________

4. SA/M Case Number ____________________________

B. EQUIPMENT LIST (MAJOR COMPONENT - PLEASE CHECK ALL THAT APPLY)

5. Blower ☐ Fabric Filter ☐

6. Preheater/Burner or Heating Element ☐ Catalytic Oxidizer ☐

7. Automatic Control System w/Chart Recorder ☐ Catalytic Converter ☐

8. Dilution valve/Manual - Automatic ☐ Thermal Oxidizer ☐

9. Adsorbent Canisters ☐ Internal Combustion Engine ☐

10. Rotary Thermal Desorber ☐ Afterburner ☐

11. Conveyors ☐ Screens/Shakers ☐

12. Other: ____________________________

C. STACK PARAMETERS

13. Height: _________ feet, _________ meters

14. Inside Diameter: _________ feet, _________ meters

15. Temperature: _________ °F, _________ °K

16. Height of nearest building: _________ ft, _________ m

17. Flow Rate: _________ ACFM, _________ m³/sec OR Velocity: _________ ft/sec, _________ m/sec

Rev. 4/03 1 of 3 (52B – Form A) OVER
D. **CRITERIA POLLUTANT EMISSIONS AT STACK CONDITIONS**

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Hourly (lb/hr, ppm)</th>
<th>Daily (lb/day, ppmv)</th>
<th>Annual (tons/yr, ppmv)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxides of Nitrogen (as NO₂)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volatile Organic Compounds** (as Methane)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxides of Sulfur (as SOx)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon Monoxide</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Hourly (lb/hr, grain/scf)</th>
<th>Daily (lb/day, grain/scf)</th>
<th>Annual (tons/yr, grain/scf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particulate Matter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead and Lead Compounds</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Criteria pollutants as defined in SDAPCD Rule 20.1.
**Non-methane hydrocarbons as methane.

E. **HAZARDOUS POLLUTANT EMISSIONS AT STACK CONDITIONS**

<table>
<thead>
<tr>
<th>Compound</th>
<th>Max Hourly (lb/hr, grams/sec)</th>
<th>Annual (lb/yr, grams/sec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

***As defined by Federal EPA or California Air Toxic "Hot Spots" rules.

F. **DRAWINGS (CHECK OFF ELEMENTS INCLUDED IN DRAWINGS)**

May be the same as what is contained in SA/M work plan.

1. **Site Location Map (on 7.5 minute USGS Series Map) showing:**
   - [ ] Site Location
   - [ ] Facility boundary
   - [ ] Elevation contours (included in 7.5 minute series map)
   - [ ] Circle of 1,000 ft radius with site as center point, indicating the location of schools within that radius. (AB 3205 compliance requirement)

2. **Site Drawing (to scale) showing:**
   - [ ] All wells (as of time of application)
   - [ ] Location of vapor extraction lines
   - [ ] Location of equipment compound
   - [ ] Property boundary
   - [ ] North arrow

ATTACHED (Figure Number)
Nearest intersection

All onsite and offsite buildings within 50 meters including heights and use (occupational or residential)

Location and contents of USTs

Location of stack

3. Equipment compound layout showing:

Location of knockout pot, blower(s), treatment equipment, exhaust stack

Storage tanks

4. Process and Instrumentation Diagram showing:

Wells, manifolds and headers

Knockout pot, blowers, treatment equipment, stack

Flow, temperature and concentration monitoring points

Control lines to shutoff controls and recording devices

Dilution valve and controls

Storage tanks

Flame arrestor

Name of Preparer: __________________________________________ Title: __________________________________________

Phone No.: (____) __________________________ Date: __________________________

NOTE TO APPLICANT:
Before acting on an application for Authority to Construct or Permit to Operate, the District may require further information, plans, or specifications. Forms with insufficient information may be returned to the applicant for completion, which will cause a delay in application processing and may increase processing fees. The applicant should correspond with equipment and material manufacturers to obtain the information requested on this supplemental form.