

**SAN DIEGO AIR POLLUTION CONTROL DISTRICT**

**SUPPLEMENTAL APPLICATION  
INFORMATION**

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**FEE SCHEDULE  
52B - Form E**

**San Diego APCD Use Only**

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**Appl. No.:**

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**ID No.:**

**SOIL REMEDIATION  
CATALYTIC OXIDIZER/CATALYTIC CONVERTER**

- Submit this form in addition to Form A.
- Please type or print the information requested below.

**1. CATALYTIC OXIDIZER SPECIFICATIONS**

Make: \_\_\_\_\_ Model: \_\_\_\_\_

Burner/Heating Element

Make: \_\_\_\_\_ Model: \_\_\_\_\_

Rating \_\_\_\_\_ BTU/Hr, KW      Processing Capacity \_\_\_\_\_ SCFM, m<sup>3</sup>/sec

Fuel Type:       Natural Gas       Electric       Propane

Amount of Fuel: \_\_\_\_\_ SCFM, GPM, KW

Other \_\_\_\_\_

Flow Meter       Flame Arrestor       Strip/Circular Chart Recorder

**2. CATALYST:**

Make: \_\_\_\_\_ Model: \_\_\_\_\_

Volume \_\_\_\_\_ ft<sup>3</sup>, m<sup>3</sup>      Life Expectancy: \_\_\_\_\_ Hrs. of Operation (if known)

Replacement Schedule:       when destruction drops

other \_\_\_\_\_

**3. DESIGN OPERATING PARAMETERS**

Catalyst Inlet Temperature: \_\_\_\_\_ °F, °K (Maximum)      \_\_\_\_\_ °F, °K (Minimum)

Catalyst Exhaust Temperature: \_\_\_\_\_ °F, °K (Maximum)      \_\_\_\_\_ °F, °K (Minimum)

Maximum Exhaust Gas Flow Rate: \_\_\_\_\_ ACFM, m<sup>3</sup>/sec

**4. CONTROL EQUIPMENT INLET CONDITIONS**

Process Flow Rate: \_\_\_\_\_ SCFM, m<sup>3</sup>/sec

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| Contaminant | Maximum Concentration | Source of Information | Removal Efficiency |
|-------------|-----------------------|-----------------------|--------------------|
| VOC*        |                       |                       |                    |
| Benzene     |                       |                       |                    |
|             |                       |                       |                    |
|             |                       |                       |                    |
|             |                       |                       |                    |

\*Non-methane hydrocarbons as methane.

22 **5. BLOWER SPECIFICATIONS**

23 Make: \_\_\_\_\_ Model: \_\_\_\_\_

24 Motor Horsepower: \_\_\_\_\_ Number in Use: \_\_\_\_\_

25 Maximum Flow: \_\_\_\_\_ SCFM, m<sup>3</sup>/sec Design Flow: \_\_\_\_\_ SCFM, m<sup>3</sup>/sec

26  Blower Curves Attached

27 **6. FLOW MONITORING & RECORDING DEVICES**

| Instrument Type | Location | Frequency<br>(continuous/other) | Recorder |    |
|-----------------|----------|---------------------------------|----------|----|
|                 |          |                                 | YES      | NO |
|                 |          |                                 |          |    |
|                 |          |                                 |          |    |
|                 |          |                                 |          |    |

28 **7. VAPOR PHASE MONITORING**

| Contaminant | Instrument Type | Location | Frequency<br>(continuous/other) | Recorder |    |
|-------------|-----------------|----------|---------------------------------|----------|----|
|             |                 |          |                                 | YES      | NO |
| VOC*        |                 |          |                                 |          |    |
| Benzene     |                 |          |                                 |          |    |
|             |                 |          |                                 |          |    |
|             |                 |          |                                 |          |    |

\*Non-methane hydrocarbons as methane.

29 **8. SAFETY SYSTEMS**

| Instrument | Location | Trigger | Alarm | Auto Shut-Off | Other |
|------------|----------|---------|-------|---------------|-------|
|            |          |         |       |               |       |
|            |          |         |       |               |       |