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For DAQ Use Only

SOIL AND/OR GROUNDWATER REMEDIATION ANNUAL EMISSIONS INVENTORY REPORT

Source ID (Permit) Number: _____ **Reporting Year:** _____

Company Name _____

Source (Facility) Name _____

Source (Facility) Address _____

City, State, and Zip _____

Mailing Address (if different) _____

NOTE: This form will automatically calculate your actual emissions. Fill in lines 1-4 and line 5 will automatically calculate.

VOC Emissions from Remediation Operation:

1. Potential to Emit (tons per year):		tpy
2. Exhaust Concentration as annual average (parts per million):		ppm
3. Flow Rate as annual average (cubic feet per minute):		cfm
4. Annual Operation Hours:		hrs
5. Calculated Actual Annual VOC Emissions (tons per year):		tpy

I hereby certify that, based on information and belief formed after reasonable inquiry, the information contained in this document is true, accurate and complete.

Responsible Official Signature

Date

Responsible Official Name and Title (print): _____

Responsible Official Phone: _____ Cellular: _____

Responsible Official Email Address: _____

Please complete this electronic form to the best of your knowledge. Submit the completed report with the Responsible Official's original (wet) signature to the Division of Air Quality by mail or in person at the address above.

Directions for completing the form electronically:

1. The Potential to Emit values entered in this line come from the General Permit (9.49 tpy) or from the individual Minor Source Permit (look up the value in the Minor Source Permit and enter it).
2. The Exhaust Concentration (ppm) value is the annual average of the weekly readings emitted to the atmosphere.
3. The Flow Rate (cfm) value is the average of the actual flow rates—recorded at the time of concentration sampling—of the soil and/or groundwater remediation system.
4. The Annual Operation Hours are the actual hours of operation of the soil and/or groundwater remediation system if they were recorded. Otherwise, use 8,760 hours.
5. The system will calculate the Actual Annual VOC Emissions (tpy) value automatically using the parameters entered in lines 2–4.

Directions for completing the form manually:

1. Complete items 1–4 as described above.
2. Calculate actual emissions using the following formula:

$$\text{Eq. 1: (Exhaust Concentration [in ppm])} \cdot (\text{Flow Rate [in cfm]}) \cdot (\text{Annual Operation Hours}) \cdot 6.70\text{E-}09 = \text{Actual VOC emitted in tons per year}$$

where:

$$6.70\text{E-}09 = \{86 \text{ (lb / lb-mole)} \div 385 \text{ (factor to convert ppm to lb / ft}^3\text{)} \div 1,000,000 \cdot 60 \text{ (min / hr)} \div 2000 \text{ (lb / ton)}\}$$

If you have questions or would like help completing this form, please contact the Small Business Assistance Program at (702) 455-5942.