



Instructions: Soil/Groundwater Remediation Form

Introduction

Use the following instructions to help guide you through the *Soil/Groundwater Remediation form*.

Who should use this form?

This form should be submitted with new permit applications and applications to modify or alter existing sources.

Facility Information

- **BAAQMD Facility ID** – The facility ID number is available on any permit or invoice issued by BAAQMD. This can be found in the upper right of the permit or the invoice.
 - If this application is for a new facility (not currently permitted by BAAQMD), you must also submit *Facility Creation Form* and *Facility Contacts Form*.

General Information

- **BAAQMD Device ID** – For existing facilities, the device ID number can be found on the Permit to Operate to the left of the device name (for example: **S1** Sub-Slab Depressurization System).
- **Device/Operation Name** – This is the name you associate with this operation.
- **Initial/Proposed Date of Operation:**
 - For new construction, enter the date that you propose will be the initial date of operation.
 - For a modification of an existing permitted operation, enter the date that you propose the changes to occur.
 - For an existing operation that is not currently permitted by BAAQMD, enter the date for which the facility initially operated.
- **Device/Operation Description** – This is your description of the device or operation. This field can be used to distinguish it from other similar devices (e.g. ID numbers, location, make, model, etc.)

Soil/Groundwater Remediation Type

Submit one form for each operation requiring a Permit to Operate. Soil/Groundwater Remediation operations are broken up into four types:

1. Air Stripping
2. Soil Excavation Aeration
3. Soil Vapor Extraction
4. Sub-Slab Depressurization

Select the type of remediation under section 6 and then fill out the associated section below. The material maximum annual usages are included in the remediation type specific sections, as each remediation type only processes one type of material.

Material Emission Factors

The material emission factor table should be filled out for whichever material is being processed by the remediation operation type (Water/Organics Mixture, Soil Contaminated - Organics, or Contaminated Soil Vapor).

Still need help?

Contact the Engineering Division: (415) 749-4990
permits@baaqmd.gov



Bay Area Air Quality Management District
SOIL/GROUNDWATER REMEDIATION FORM

Email to: permits@baaqmd.gov

Mail to: BAAQMD
Engineering Division
375 Beale Street, Suite 600
San Francisco, CA 94105

All fields are required unless otherwise noted. Please type or print.

Tel: (415) 749-4990

1. Facility Information

Facility Name	BAAQMD Facility ID (Existing facilities only)
Facility Address (Street address and city)	

2. General Information

BAAQMD Device ID (If applicable)	
Device/Operation Name	Initial/Proposed Date of Operation
Device/Operation Description	

3. Operating Schedule – Select “Continuous” or specify specific schedule in the 4 columns

Continuous <input type="checkbox"/>	Maximum hours/day	Typical hours/day	Days/week	Weeks/year

4. Emission Train information

With regard to emission flow, what abatement devices and/or emission points are *immediately* downstream of this source?

Abatement Devices A _____ A _____ A _____ Emission Points P _____ P _____ P _____

➤ Complete an Abatement Device Form and/or Emission Point Form for each connection.

5. Manufacturer Information

Equipment Manufacturer (Make)	Equipment Model

6. Soil/Groundwater Remediation Type – Select one operation type and complete the corresponding section below

- Part A – Air Stripping Part C – Soil Vapor Extraction
 Part B – Soil Excavation Aeration Part D – Sub-Slab Depressurization

Part A – Air Stripping

Maximum Water Flow Rate	Water/Organics Mixture Maximum Annual Usage
gallons/min	gallons

Part B – Soil Excavation Aeration

Excavated Soil Volume	Soil Contaminated - Organics Maximum Annual Usage
cubic ft	tons

Part C – Soil Vapor Extraction

Maximum Air Blower Rate	Contaminated Soil Vapor Maximum Annual Usage
scfm	cubic ft

Part D – Sub-Slab Depressurization

Maximum Air Blower Rate	Contaminated Soil Vapor Maximum Annual Usage
scfm	cubic ft



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7. Material Emission Factors

Fill out the emission factor information for the Water/Organics Mixture, Soil Contaminated - Organics, or Contaminated Soil Vapor, depending on the remediation type.

- See Table A for a list of emission factor basis codes.

Material Emission Factors

Pollutant	Emission Factors (lb/unit)	Basis Code
Particulates		
Organics		
Nitrogen Oxides (NO _x)		
Sulfur Dioxide		
Carbon Monoxide		
Other:		
Other:		

8. Certification/Signature of person responsible for the information on this form

I hereby certify that I am authorized to complete this form for the facility and that all information contained herein is true and correct.

Name	Title	
Signature	Date	Phone (xxx-xxx-xxxx)

Table A. Basis Codes – For Emission Factor Table

CODE	BASIS	CODE	BASIS	CODE	BASIS
1	BAAQMD Regulation 9-7	5	EPA/CARB Certification	9	Other
2	CARB Certification	6	EPA Certification	10	Other Literature
3	CATEF	7	Manufacturer/Vendor Specification	11	Regulation
4	EPA AP-42	8	Material Balance	12	Source Test