

Regulation I

Rule 120 – Vapor Extraction

The content of this Rule was first adopted as part of Regulation I in 2011.
The current version was adopted by the Governing Board via Resolution 2015-9 on July 9, 2015.

TABLE OF CONTENTS

- A. PURPOSE
- B. APPLICABILITY
- C. PERMIT APPLICATION REQUIREMENTS
- D. CONTROL REQUIREMENTS
- E. RECORDKEEPING & REPORTING
- F. VE PERMIT FEES

RULE 120

VAPOR EXTRACTION

A. PURPOSE: Environmental remediation involves the removal of pollution or contaminants from environmental media such as soil, groundwater, sediment, and surface water. Soil remediation activities using soil vapor extraction (VE) techniques may result in the release into the atmosphere of volatile organic compounds (VOCs). The purpose of this Rule is to control emissions of VOCs from soil remediation vapor extraction projects through a simplified permitting process when VOC release is below limits established herein.

B. APPLICABILITY:

1. This Rule shall apply to VE equipment used in any soil remediation project that involves extraction of contaminants in liquid or vapor form, from soil, groundwater, sediment, or surface water.
2. Projects which have emissions of VOCs greater than or equal to 1.0 pound per hour shall obtain a permit pursuant to Rule 102.
3. Projects which have emissions of VOCs less than 1.0 pound per hour shall be subject to VE permit requirements pursuant to this Rule.
4. No permit for VE equipment shall be required for a District approved pilot test lasting less than 72 continuous hours.

C. PERMIT APPLICATION REQUIREMENTS: Any person owning or operating VE equipment subject to this Rule shall obtain a VE permit prior to conducting any soil remediation activity, except as specified in section (B)(4) of this Rule. The APCO may, at his discretion, require the applicant to obtain a minor source permit for the VE equipment pursuant to District Rule 102 instead of the simplified permit under this Rule. All persons seeking a VE permit shall provide the following information on District application forms:

1. The name and contact information of the owner and operator of the VE equipment;
2. The name and contact information of the owner of the site being remediated;
3. The address or physical location of the property to be remediated;
4. The type of media being remediated;
5. The make and model of the VE equipment and air quality control equipment;
6. The estimated total quantity of pollutants to be remediated;
7. The estimated total quantity of pollutants to be emitted into the atmosphere after controls;
8. The make and model of VE equipment and control equipment to be used;

9. The anticipated start date and completion date for the project; and
10. Any additional information the APCO determines necessary to ensure compliance with all applicable air quality regulations.

D. CONTROL REQUIREMENTS: All projects subject to this Rule shall comply with the following:

1. All equipment permitted pursuant to this Rule shall have control devices installed and operational at all times the emitting device is operational;
2. The permitted equipment and associated control equipment shall be operated and maintained in accordance with the manufacturer's specifications such that the total quantity of VOC emissions is less than 1.0 pound per hour;
3. In the event VOC control equipment is used, it shall achieve VOC control efficiency of no less than 90% at all times. The destruction efficiency requirement shall not apply when uncontrolled VOC emissions are less than 0.1 pounds per hour; and
4. Any breakdowns or malfunctions shall be reported pursuant to District Rule 105 (B).

E. RECORDKEEPING & REPORTING: The VE permit holder shall provide the following written reports, and maintain records, using District approved forms:

1. An annual report shall be submitted to the District no later than February 15 of each year;
2. Notice of project completion shall be provided to the District within 30 days after completion of permitted VE activity for a project;
3. Notice of equipment modifications shall be provided to the District 15 days prior to modification;
4. Equipment maintenance logs shall be maintained and made available upon request; and
5. Notice of transfer of ownership shall be provided to the District 15 days prior to any transfer.

F. VE PERMIT FEES: A VE permit issued pursuant to this Rule 120 is subject to payment of the following fees. The value of X set forth below shall be determined in accordance with Rule 400 (B).

1. The initial fee for the VE permit is equal to 1.0 X. Payment shall accompany the application;
2. The annual renewal fee for the simplified VE permit is equal to 0.5 X. Payment is due at the time the owner or operator is invoiced by the District; and
3. Renewal fees not received within 30 days from the date of invoice shall be considered delinquent and shall be processed in accordance with Rule 400 (I).