

*ANTELOPE VALLEY*  
*AIR QUALITY MANAGEMENT DISTRICT*

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Federal Operating Permit Number: 122802470

For: Antelope Valley Recycling and Disposal  
Facility, Inc.

Facility: Antelope Valley Public Landfill

Issued Pursuant to AVAQMD Regulation XXX  
Effective Date: May 18, 2010

This Federal Operating Permit Expires on:  
May 18, 2015

Issued By: Eldon Heaston  
Air Pollution Control Officer



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PART I  
INTRODUCTORY INFORMATION

A. Facility Identifying Information:

Owner/Company Name: *Antelope Valley Recycling and Disposal Facility, Inc.*

Owner Mailing Address: *Antelope Valley Recycling and Disposal Facility, Inc.*  
P.O. Box 4040  
Palmdale, California 93590-4040

Facility Name: *Antelope Valley Public Landfill*  
Facility Location: 1200 West City Ranch Road  
Palmdale, California 93551

AVAQMD Federal Operating Permit Number: 122802470

AVAQMD Company Number: 1228

AVAQMD Facility Number: 02470

Responsible Official: Doug Corcoran  
Phone Number: 818-252-3147

Facility "Site" Contacts: Nicole Stetson  
Phone Number: 661-223-3418  
Fax Number: 661-223-3435

Nature of Business: Sanitary Landfill

SIC Code: 4953 – Refuse Systems  
Facility Location: UTM (Km) 395-E / 3840-N

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 121002106) for The Antelope Valley Public Landfill, which is located within Section 33, Township 6 North, Range 12 West, of the San Bernardino County Meridian, Los Angeles County, California. The Antelope Valley Public Landfill is a municipal solid waste disposal facility. The facility is permitted to receive for disposal and recycling household, commercial, construction, renovation and demolition wastes and petroleum contaminated soils. Equipment at the landfill includes a landfill gas extraction and flaring system, a propane fired internal combustion engine which drives a fire pump, an above ground diesel storage tank and a paint spray booth.

Miscellaneous fugitive and non-fugitive sources of emissions include landfill gas generating from microbial degradation of refuse, particulate matter (PM) generated from the use of paved and unpaved roads, PM from construction, excavation and chipping/grinding activities and a small amount of VOC/HAP emissions from soils used as landfill cover

The description of the facility is not enforceable.

C. EQUIPMENT DESCRIPTION:

1. One (1) – 10,000 gallon capacity above ground diesel storage tank
2. One (1) Aboveground Landfill Condensate Storage System
  - a. B008631 – consisting of the following equipment:
    1. Condensate Sump
    2. 3,000 gallon condensate storage tank
3. One (1) Enclosed Flare
  - a. C008629 – consisting of the following equipment
    1. McGill Environmental Systems, Inc. (1990) rated 47 MMBtu/hr HHV equipped with surge air blower, propane gas pilot, electric pilot igniter, UV flame scanner with flame safeguard system, automatic shutdown valve on LFG inlet, thermocouple with temperature controller and recorder, temperature controlled combustion air dampers, flame arrestor, failure alarm, blower, condensate injection nozzle, LFG flow element with recorder and 15 scfm 175 psi air compressor

4. One (1) Landfill Gas Collection System
  - a. C008639 – consisting of the following equipment
    1. 42 LFG wells, HDPE header, 40 hp LFG extraction blower, 3850 scfm @ 20-55% CH<sub>4</sub>
    2. 50 additional LFG wells, as needed
  
5. One (1) Propane-Fueled Internal Combustion Engine Driving a Fire Pump
  - a. E008939 – consisting of the following equipment
    1. One Onan modified Ford, propane fired internal combustion engine, Model No. WSG 1068, Serial Number 03-10-062281, drives a fire pump
  
6. One (1) Paint Spray Booth
  - a. S008807 – consisting of the following equipment
    1. Spray Booth Systems, 16'W X 35'L X 12'H with one (1) 5 hp, 42 inch diameter fan and thirty (30) 20" X 25" X 2" exhaust filters

The equipment description is not enforceable.

## PART II FACILITYWIDE APPLICABLE REQUIREMENTS

### A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.

[Rule 203 - *Permit to Operate*; SIP: Submitted as amended 8/19/97 on 3/10/98; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/78, 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 08/19/97]

2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.

[Rule 203 - *Permit to Operate*; SIP: Submitted as amended 8/19/97 on 3/10/98; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/78, 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 08/19/97]

3. The Air Pollution Control Officer may impose written conditions on any permit.

[Rule 204 - *Permit Conditions*; [SIP: Submitted as amended 8/19/97 on 3/10/98; Submitted as amended 10/8/93 on 2/28/94; Submitted as amended 3/6/92 on 6/17/92; Submitted as amended 1/4/85 on 11/12/85; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 08/19/97]

4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.

[Rule 204 - *Permit Conditions*; [SIP: Submitted as amended 8/19/97 on 3/10/98; Submitted as amended 10/8/93 on 2/28/94; Submitted as amended 3/6/92 on 6/17/92; Submitted as amended 1/4/85 on 11/12/85; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 08/19/97]

5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.

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*Antelope Valley Public Landfill*  
Federal Operating Permit Number: 122802470

[Rule 206 - *Posting of Permit to Operate*; SIP: Submitted as amended 8/19/97 on 3/10/98; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(31)(vi)(C); Submitted as amended on 8/19/97]

6. A person shall not willfully deface, alter, forge, or falsify any permit issued under District rules.

[Rule 207 - *Altering or Falsifying Of Permit*; SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B) and 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 01/09/76]

7. Permits are not transferable.

[Rule 209 - *Transfer And Voiding Of Permits*; SIP: Submitted as amended 1/5/90 on 12/31/90; Submitted as amended 11/1/85 on 6/4/86; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B) and 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 01/05/90]

8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.

[Rule 217 - *Provision for Sampling and Testing Facilities*; SIP: Submitted as amended 8/19/97 on 3/10/98; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 08/19/97]

9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.

[Rule 219 - *Equipment Not Requiring a Written Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(103)(xviii)(A), 40 CFR 52.220(c)(39)iv)(B), and 40 CFR 52.220(c)(31)(vi)(C)- 01/09/78 43 FR 52237; Current Rule Version = 01/16/01]

10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.

[SIP Pending: Rule 225 - *Federal Operating Permit Requirement*; SIP: Submitted as adopted 3/17/98 on 2/16/99, Rule Adopted: 03/17/98]

11. Owner/Operator shall pay all applicable AVAQMD permit fees.

[Rule 301 - *Permit Fees*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(137)(vii)(B)- 10/19/84 49 FR 41028; Current Rule Version = 03/17/98]

12. Owner/Operator shall pay all applicable AVAQMD Title V Permit fees.

[Rule 312 - *Supplemental Fees for Federal Operating Permits*; Not SIP; Submitted as part of Title V Program amendment on TBD; Current Rule Version = 05/19/98]

13. A person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines

CDM - A Visible Emissions Evaluation (VEE) shall be used to determine compliance with Rule 401. Owner/Operator will perform an EPA Method 22 VEE if emissions are observed or upon public complaint. Owner/Operator must perform an EPA Method 9 VEE if visual emissions are observed during the Method 22 VEE. VEE records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(155)(iv)(B) – 01/29/85 50 FR 3906; Current Rule Version = 04/07/89]

14. Owner/Operator must comply with the applicable fuel sulfur requirements specified in Rules 431.1 and 431.2.



CDM - Compliance with fuel sulfur limit for natural gas fuel shall be determined by records supplied from the natural gas supplier documenting the sulfur content of the natural gas supplied as fuel. Compliance with Rule 431.2 fuel sulfur limit for diesel fuel shall be determined by records that the fuel used at the facility is CARB certified diesel fuel with the supplier's fuel analysis guarantee. Records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. .

[Rule 431.1 - *Sulfur Content of Gaseous Fuels*; Version in SIP = 5/6/1983 Approved 10/19/84, 49 FR 41028, 40 CFR 52.220(c)(137)(vii)(B), Current Rule Version = 11/17/1995]

[Rule 431.2 - *Sulfur Content of Liquid Fuels*; Version in SIP = 2/2/1979 Approved 9/28/81, 46 FR 47451, 40 CFR 52.220(c)(65)(ii)], Current Rule Version = 5/4/1990]

15. No person shall supply any vehicular diesel fuel having a sulfur content exceeding 15 parts per million by weight. The 15 parts per million sulfur standard shall not apply where the person supplying the diesel fuel demonstrates as an affirmative defense that the exceedance was caused by diesel fuel delivered to the facility prior to July 15, 2006, the effective date of the requirement. California non-vehicular diesel fuel is subject to all of the requirements applicable to vehicular diesel fuel.

CDM - Compliance with fuel sulfur limit for diesel fuel shall be determined by records demonstrating that the fuel used at the facility is CARB certified diesel fuel with the supplier's fuel analysis guarantee. Records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. The sulfur content of diesel fuel shall be determined by use of ASTM Test Method D5453-93 or any other test method determined by the Executive Officer to give equivalent results.

[California Code of Regulations, Title 13, Division 3 Chapter 5 (Standards for Motor Vehicle Fuels) Article 2. Standards for Diesel Fuel and California Code Of Regulations, Title 17. Public Health, Division 3. Air Resources Chapter 1. Air Resources Board Subchapter 7.5 Airborne Toxic Control Measures § 93114(b). Airborne Toxic Control Measure to Reduce Particulate Emissions from Diesel-Fueled Engines – Standards for Nonvehicular Diesel Fuel.]

16. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.

CDM - Compliance with Rule 403 requires the Owner/Operator's submittal of notification and a fugitive dust control plan not more than 7 days after qualifying as a large operation or as a medium operation under a U.S EPA contingency notification, unless the activity is considered exempt from Rule 403. In addition a daily record of actions taken will be maintained if a large operation or if medium operation under contingency notification. Records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 403 - *Fugitive Dust*; SIP: Submitted as amended 2/14/97 on 8/1/97; Submitted as amended 7/9/93 on 7/13/94; Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iii)(C), Current Rule Version = 02/14/97]

17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).

- (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
- (b) This condition shall not apply to emissions resulting from the combustion of diesel or PUC quality natural gas fuels in steam generators or gas turbines.
- (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

18. Owner/Operator shall not discharge into the atmosphere from this facility, solid

particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).

- (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
- (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Submitted as amended 2/7/86 on 6/4/86 and approved for SCAQMD area only 9/2/98; Approved 9/28/81, 46 FR 47451, 40 CFR 52.220(c)(69)(ii); Current Rule Version = 02/07/86]

- 19. Owner/Operator shall not discharge into the atmosphere from any equipment, except; stationary internal combustion engines, propulsion of mobile equipment, emergency venting due to equipment failure or process upset:
  - (a) Carbon monoxide (CO) exceeding 2,000 ppm by volume measured on a dry basis, averaged over 15 consecutive minutes
  - (b) Sulfur compounds which would exist as liquid or gas at standard conditions, calculated as sulfur dioxide (SO<sub>2</sub>) and averaged over 15 consecutive minutes, exceeding 500 ppm by volume.

The provisions of subsection (b) of this rule do not apply to equipment subject to the emission limits of Regulation XI rules and equipment which complies with the gaseous fuel sulfur content limits of Rule 431.1.

CDM - SCAQMD Method 100.1 or 10.1, 307-91 are used to directly measure CO and SO<sub>2</sub>; however no method is required to demonstrate compliance with Rule 407. Continuous compliance with Rule 407 is assumed.

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP 4/2/1982 Approved 11/10/1982 47 FR 50864, 40 CFR 52.220(c)(124)(iv)(A); Current Rule Version = 4/2/1982]

20. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm, on a volume per volume basis, measured on a dry basis, averaged over a minimum of 15 consecutive minutes.

(a) The provisions of this condition shall not apply to emissions from internal combustion engines.

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

21. A person shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of these rules.

(a) This condition shall not apply to cases in which the only violation involved is of Section 48700 of the Health and Safety Code, or Rule 402 of these Rules.

CDM - Compliance with Rule 408 shall be determined during periodic facility inspections. Inspection records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 408 - *Circumvention*; Version in SIP = 5/7/1976 Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iii)(C); Current Rule Version = 5/7/1976]

22. Owner/Operator shall not discharge into the atmosphere from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions averaged over a minimum of 15 consecutive minutes.

(a) The condition shall not apply to jet engine test stands and emissions from internal combustion engines.

[Rule 409 - *Combustion Contaminants*; Version in SIP = 8/7/1981 Approved

7/6/82, 47 FR 29231, 40 CFR 52.220(c)(103)(xviii)(A); Current Rule Version = 8/7/1981]

23. The APCO in his/her discretion, may refrain from enforcement action against an owner/operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:
- (a) Any Breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such Breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such Breakdown; and
  - (b) An estimate of the repair time is provided to the District as soon as possible after the report of the Breakdown; and
  - (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
  - (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the Clerk of the Hearing Board in accordance with Regulation V.
  - (e) If the Breakdown occurs outside normal District working hours the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.

[**SIP Pending:** Rule 430 - *Breakdown Provisions*, SIP Submitted as amended 3/17/98, Current Rule Version = 08/07/81]

24. All coatings, diluents, thinners, solvents and methods of application not subject to another source-specific Regulation XI rule shall comply with AVAQMD Rule's

442, as included in Appendix A. Pursuant to Rule 442, a person shall not discharge VOCs into the atmosphere from all VOC containing materials, emissions units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per calendar month per Facility.

- (a) The limits of this rule do not apply to aerosol products, landfill gas, pesticides including, herbicides, insecticides and/or rodenticides, or to the storage and transport of organic solvents.

CDM - Compliance with Rule 442 shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 as outlined in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 442 - *Usage of Solvents*; Version in SIP = 3/5/1982 Approved 11/16/1983, 48 FR 52054, 40 CFR 52.220(c)(125)(ii)(D); Current Rule Version = 11/15/2005; *Current version of the rule eliminates the hourly and daily limits, eliminates the references to photochemical and nonphotochemical reactivity, sets a facility-wide calendar monthly limit of 1190 pounds of VOC, and adds an exemption for aerosol products. For compliance purposes the current version of the rule shall apply*]

[Rule 204 – Permit Conditions; [Version in SIP = 8/19/1997 Approved 2/22/2005, 70 FR 8557, 40 CFR 52.220(c)(254)(i)(E)(3); Current Rule Version = 8/19/1997]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

25. *Coating Of Metal Parts And Products* at this facility shall comply with the requirements of Rule 1107, including the VOC limits specified in Rule 1107 and listed in Appendix A.

CDM - Compliance with the Rule 1107 VOC content limits and solvent use requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and outlined in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and outlined in Appendix A. Material Safety Data Sheets and Rule 109 records,

either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1107 - *Coating Of Metal Parts And Products*; Version in SIP = 5/12/1995 Approved 7/14/1995, 60 FR 36230, 40 CFR 52.220(c)(222)(i)(A)(1); Current Rule Version = 3/8/1996; *Current version of the rule includes an exemption for aerosol products. For compliance purposes the current version of the rule shall apply.*]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

26. Owner/Operator's use of *Wood Products Coatings* at this facility shall comply with the requirements of Rule 1136, including the VOC limits specified in Rule 1136 and listed in Appendix A.

CDM - Compliance with the Rule 1136 VOC content limits and solvent use requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and outlined in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and outlined in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1136 - *Wood Products Coatings*; Version in SIP = 9/8/1995 Approved 10/31/1995, 60 FR 55312, 40 CFR 52.220(c)(225)(i)(A)(1); Current Rule Version = 6/14/1996: *Current version adds coating categories, raises VOC limit for high solids stains, adds lb VOC/lb solid compliance option, and adds a transfer efficiency exemption for applying compliant materials. For compliance purposes the current version of the rule shall apply.*]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

27. Owner/Operator's use of *Plastic, Rubber and Glass Coatings* at this facility shall comply with the requirements of Rule 1145, including the VOC limits specified in Rule 1145 and listed in Appendix A.

CDM - Compliance with the Rule 1145 VOC content limits and solvent use requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and outlined in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and outlined in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1145 – *Plastic, Rubber and Glass Coatings*; Version in SIP = 1/10/1992 Approved 12/20/1993, 58 FR 66286, 40 CFR 52.220(c)(191)(i)(A)(1); Current Rule Version = 2/14/1997; *Current version references compliance with Rule 1171 in place of rule references to solvent cleaning and stripping requirements and adds an airbrush transfer efficiency exemption. For compliance purposes the current version of the rule shall apply.*]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

28. This facility shall comply with the applicable requirements of Rule 1150 - *Excavation Of Landfill Sites*.

[Rule 1150 - *Excavation Of Landfill Sites*; Not SIP; Current Rule Version = 10/15/82]

29. This facility shall comply with the applicable requirements of Rule 1150.1 - *Control Of Gaseous Emissions From Active Landfills*.

[Rule 1150.1 - *Control Of Gaseous Emissions From Active Landfills* SIP: Limited Approval/Disapproval 5/6/97, 62 FR 24574, 40 CFR 52.220(c)(164)(i)(E)(1)]

30. *Adhesive Applications* at this facility shall comply with the requirements of Rule 1168, including the VOC limits specified in Rule 1168 and listed in Appendix A.

CDM - Compliance with the Rule 1168 VOC content limits and solvent use



requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and outlined in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and outlined in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1168 – *Adhesive Applications*; Version in SIP = SIP Pending; Submitted as amended 12/10/1993 on 10/19/1994. Current Version = 4/11/1997]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

31. Owner/Operator of this facility shall comply with the Solvent Cleaning Operations requirements of District Rule 1171 as listed in Appendix A.

CDM - Compliance with the Rule 1171 VOC content limits and solvent use requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and outlined in Appendix A. Compliance with the cleaning device and methods requirements, requirement that solvent not be atomized unless directed to a control device, and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and outlined in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1171- *Solvent Cleaning*; Version in SIP = 9/13/1996 Approved 5/24/2001, 66 FR 28666, 40 CFR 52.220(c)(262)(i)(e)(2); Current Rule Version = 11/17/1998; *Current version of the rule limits solvents used for repair and maintenance cleaning to 900 g/l VOC or 20 mmHg composite partial pressure at 20 degrees C. For compliance purposes the current version of the rule shall apply.*]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

32. All paint, coating, solvent, adhesive or resin containers including drums,

buckets, cans, pails, trays or other application containers shall be kept closed when not in use. All paints, coatings, solvents, adhesives or resins used shall be stored in non-absorbent, non-leaking containers and all evidence of spilled material shall be cleaned up immediately. All cloth and paper moistened with VOC-containing paints, coatings, solvents, adhesives or resins shall be stored in closed, non-absorbent, non-leaking containers.

CDM - Compliance with the requirement that all VOC-containing materials be stored in closed containers and that all cloth or paper moistened with VOC-containing material shall be stored in closed containers shall be determined during a periodic spray booth/coating operation inspection. Periodic inspection records, either paper or computerized and including the name of the person performing the inspection, the date and time of the inspection and the results and corrections, if any, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1107 - *Coating Of Metal Parts And Products*; Version in SIP = 5/12/1995 Approved 7/14/1995, 60 FR 36230, 40 CFR 52.220(c)(222)(i)(A)(1); Current Rule Version = 3/8/1996; *Current version of the rule includes an exemption for aerosol products. For compliance purposes the current version of the rule shall apply.*]

[Rule 1113 - *Architectural Coatings*; Version in SIP = 3/18/2003 Approved 8/6/2004, 69 FR 52432, 40 CFR 52.220(c)(316)(i)(F)(1); Current Rule Version = 3/18/2003]

[Rule 1168 – *Adhesive Applications*; Version in SIP = SIP Pending; Submitted as amended 12/10/1993 on 10/19/1994. Current Rule Version = 4/11/1997]

[Rule 1171- *Solvent Cleaning*; Version in = SIP 9/13/1996 Approved 5/24/2001, 66 FR 28666, 40 CFR 52.220(c)(262)(i)(e)(2); Current Rule Version = 11/17/1998: *Current version of the rule limits solvents used for repair and maintenance cleaning to 900 g/l VOC or 20 mmHg composite partial pressure at 20 degrees C. For compliance purposes the current version of the rule shall apply.*]

33. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule

1113 and listed in Appendix A.

CDM - Compliance with the VOC content limits of Rule 1113 shall be determined using Material Safety Data Sheet information and Rule 109 daily architectural coating usage records. Material Safety Data Sheets and Rule 109 daily architectural coating usage records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1113 - *Architectural Coatings*; Version in SIP = 3/18/2003 Approved 8/6/2004, 69 FR 52432, 40 CFR 52.220(c)(316)(i)(F)(1); Current Rule Version = 3/18/2003]

34. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, State, and Federal required Emission Inventories shall monitor and record for each unit the cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.

CDM - Compliance demonstration shall be through the retention of fuel use records. Annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records. Records shall be kept on-site and available for review at any time by District, State or Federal personnel.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements; see Part II and Part III conditions)

[Regulation 204 – *Permit Conditions*; [Version in SIP = 8/19/1997 Approved 2/22/2005, 70 FR 8557, 40 CFR 52.220(c)(254)(i)(E)(3); Current Rule Version = 8/19/1997]

[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]

35. Owner/Operator shall comply with the applicable provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General*

*Provisions*, and subpart M, *Asbestos*.

CDM - Compliance demonstration shall be through the retention of records demonstrating that the training required pursuant to 40 CFR 61.145 (c)(8) has been completed. Training records shall be kept on-site and available for review at any time by District, State or Federal personnel.

[40 CFR 61, subparts A and M]

36. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.

CDM - Compliance demonstration shall be through the retention of all notifications, which shall be kept on-site and available for review at any time by District, State or Federal personnel.

[40 CFR 61.145.b]

37. Owner/Operator shall notify the APCO/District, on an annual basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations and demolitions for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].

CDM - Compliance demonstration shall be through the retention of all annual submittals, which shall be kept on-site and available for review at any time by District, State or Federal personnel.

[40 CFR 61.145.b]

38. Total emissions of Hazardous Air Pollutants (HAP) at this facility shall be less than 10 tons per twelve months for any single HAP and less than 25 tons per twelve months for any combination of HAPs, calculated on a rolling twelve-month basis.

CDM - Compliance with the HAP emission limits shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to

Rule 109 and outlined in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

39. Operator shall keep adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. MSDS for all coatings, solvents, adhesives and other materials used in these operations shall be kept current, on-site, and provided to AVAQMD personnel upon request.

CDM - Compliance with the VOC limits shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and outlined in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

40. Facility shall comply with the applicable requirements of *Regulation XIII, New Source Review*.

CDM - Compliance demonstration shall be through the retention of all permit applications, which shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Regulation XIII- *New Source Review*; Version in SIP = SIP Pending; Submitted as amended 3/20/2001 on 10/31/2001; Approved for SCAQMD 12/4/1996, 61 FR 64291, 40 CFR 52.220(c)(240)(i)(A)(1); Conditionally Approved 6/9/1982, 47 FR 25013, 40 CFR 52.220(c)(87)(v)(A); Conditionally Approved 1/21/1981, 46 FR 5965, 40 CFR 52.220(c)(68)(i); Current Rule Version = 3/20/2001]

41. On and after January 10, 2011, owner/operator shall comply with all applicable provisions of 40 CFR 63, National Emission Standards for Hazardous Air

Pollutants, subpart A, General Provisions, and subpart HHHHHH, Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources. The initial notification required pursuant to 40 CFR 63.11175(a) shall be submitted by January 11, 2010.

CDM - Compliance demonstration shall be through the retention of all required notifications, records and reports, which shall be kept on-site and available for review at any time by District, State or Federal personnel.

[40 CFR 63.11169 - 11180]

B. FEDERAL AND STATE REQUIREMENTS

1. Owner/Operator shall submit Compliance Certifications as prescribed by Rule 3003(F)(1) and Rule 3008. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.

[40 CFR 70.6(c)(5)(i); Rule 3003(D)(1)(g)(vii); Rule 3003(F)(1); Rule 3008]

- (a) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.  
[40 CFR 70.6(c)(5)(ii); Rule 3003(D)(1)(g)(viii)]
- (b) Owner/Operator when submitting any Compliance Certification(s) to the AVAQMD shall contemporaneously submit such Compliance Certification(s) to USEPA.  
[40 CFR 70.6(5)(iii); Rule 3003(D)(1)(g)(ix)]
- (c) Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.  
[Rule 3003 (D)(1)(g)(x)]
- (d) On an annual basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within thirty (30) days of the

anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 3003. Each report shall be certified to be true, accurate, and complete by “The Responsible Official” and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.

[Rule 3003 (D)(1)(g)(v - x)]

2. Owner/Operator shall submit, on a *semi-annual* basis, a *Monitoring Report of Deviations* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring Report of Deviations* (covering a six month period) shall be submitted (1) no later than 30 days following the midpoint of the Federal Operating Permit Year (within two hundred and ten (210) days following the Title 5 Permit anniversary date) and (2) as a separate report accompanying the *Annual Compliance Certification*. This *Monitoring Report of Deviations* shall be certified to be true, accurate, and complete by “The Responsible Official” and shall include the following information and/or data:
  - (a) Summary of all reportable deviations from any federally enforceable requirement in this permit.
  - (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
  - (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
  - (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.  
[3003(D)(1)(c)(i - iii); 3003(D)(1)(d)(i); Rule 3003(D)(1)(e)(i - ii); Rule 3003(D)(1)(g)(v - x)]
3. Owner/Operator shall promptly report all deviations from federal operating permit requirements including, but not limited to; any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation. [Rule 3003(D)(1)(e)(ii) and Rule 430(D)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District.  
[Rule 430 - *Breakdown Provisions* Submitted in conjunction with Title V Program. Final Title V Program Approval 1/16/04 69 FR 2511]
  - (b) Other deviations from permit conditions not involving excess emissions of air contaminants shall be reported to the District with any required monitoring reports at least every six (6) months.  
[Rule 3003(D)(1)(e)(i)]
4. If any facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the five (5) year permit term, then owner/operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of AVAQMD Regulation 5 (Rules 501 – 518.2). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 3001(I)(3) and shall include:
- (a) A narrative description of how the facility will achieve compliance with such requirements; and
  - (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by



any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and

- (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[Rule 3001 (I)(3); Rule 3003 (D)(1)(e)(ii); Rule 3003 (D)(1)(g)(v)]

C. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:

1. Any data and records required to be generated and/or kept by any portion of this permit shall be kept current and on site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and shall be provided to District, State, or Federal personnel upon request.

[40 CFR 70.6(a)(3)(ii)(B); Rule 3003(D)(1)(d)(ii)]

2. Any reports generated from monitoring required by any portion of this permit shall be submitted by the facility Owner/Operator to the AVAQMD at least every six (6) months unless another time period is specified in the specific provision requiring monitoring.

[40 CFR 70.6(a)(3)(iii)(A); Rule 3003(D)(1)(e)(i)]

3. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for Periodic Monitoring Requirements; see Part II and Part III conditions)

[Rule 204 - *Permit Conditions*; SIP: Submitted as amended 8/19/97 on 3/10/98; 40 CFR 52.220(c)(254)(i)(E)(3) – 02/22/05 70 FR 8557]

4. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, State, and Federal required Emission Inventories shall monitor and record the following for each unit:

- (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank-fill records.

*[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements; see Part II and Part III conditions)*

[Rule 204 - Permit Conditions; SIP: Submitted as amended 8/19/97 on 3/10/98; 40 CFR 52.220(c)(254)(i)(E)(3) – 02/22/05 70 FR 8557]

[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]

5. Owner/Operator shall promptly report all deviations from federal operating permit requirements including, but not limited to; any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation.

[Rule 3003(D)(1)(e)(ii) and Rule 430(D)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District.

[Rule 430 - *Breakdown Provisions* Submitted in conjunction with Title V Program. Final Title V Program Approval 1/16/04 69 FR 2511]

- (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months.

[Rule 3003(D)(1)(e)(i)]

D. FACILITYWIDE COMPLIANCE CONDITIONS:

- 1. The Owner/Operator shall allow an authorized representative of the AVAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.

[40 CFR 70.6(c)(2)(i); Rule 3003(D)(1)(g)(i)]

- 2. The Owner/Operator shall allow an authorized representative of the AVAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.

[40 CFR 70.6(c)(2)(ii); Rule 3003(D)(1)(g)(ii)]

- 3. The Owner/Operator shall allow an authorized representative of the AVAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.

[40 CFR 70.6(c)(2)(iii); Rule 3003(D)(1)(g)(iii)]

- 4. The Owner/Operator shall allow an authorized representative of the AVAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.

[40 CFR 70.6(c)(2)(iv); Rule 3003(D)(1)(g)(iv)]

- 5. If the Owner/Operator is operating pursuant to a Schedule of Compliance

contained herein then the Owner/Operator shall submit a Progress Report regarding that Schedule of Compliance on a semiannual [6 month] basis unless a shorter time is set forth in the Schedule of Compliance itself.

[40 CFR 70.6(c)(5)(i); Rule 3003(D)(1)(g)(vi)]

6. The Owner/Operator shall submit Compliance Certifications on an annual basis as prescribed by Rule 3003(F)(1). *Compliance Certifications* shall be submitted to the Antelope Valley Air Quality Management District and to the Administrator - USEPA Region 9 within thirty (30) days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, pursuant to District Rule 3003. This report shall identify each Applicable Requirement / federally-enforceable requirement in this permit, the compliance status of each subject process unit, whether the compliance was continuous or intermittent since the last certification, and the method(s) used to determine or monitor compliance. A responsible official shall certify each report to be true, accurate, and complete.

[40 CFR 72.90.a and Rule 3003 (D)(1)(g)(vii - x)]

[Rule 3003 (F)(1)]

[40 CFR 70.6(c)(5)(i); Rule 3003(D)(1)(g)(vii); Rule 3003(F)(1)]

[40 CFR 70.6(5)(iii); Rule 3003(D)(g)(ix)]

7. The Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.

[40 CFR 70.6(c)(5)(ii); Rule 3003(D)(1)(g)(viii)]

8. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.

[Rule 3003 (D)(1)(f)(ii)]

9. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.

[Rule 3001 (I)(2)]

[Rule 3003 (F)(1)]

10. If any equipment is determined to not be in compliance with any federally-enforceable requirement during the 5 year permit term, the Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of AVAQMD Regulation 5 (Rules 501 – 518.2). In addition, the Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 3001(I)(3) and shall include:

- (a) A narrative description of how the facility will achieve compliance with such requirements; and
- (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
- (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[Rule 3001 (I)(3); Rule 3003 (D)(1)(e)(ii); Rule 3003 (D)(1)(g)(v)]

[Rule 430 - *Breakdown Provisions* Submitted in conjunction with Title V Program. Final Title V Program Approval 1/16/04 69 FR 2511]

11. Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated there under.

[Rule 3003 (D)(1)(g)(x)]

12. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.

[40 CFR 61, subparts A and M]

13. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.

[40 CFR 61.145.b]

14. Owner/Operator shall notify the APCO/District, on an **annual** basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations and demolitions for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].

[40 CFR 61.145.b]

15. Owner/Operator shall submit, on a *semi-annual* basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring Report* shall be submitted no later than January 31 and July 31 of

any given year, shall be certified to be true, accurate, and complete by a responsible official, and shall include the following information and/or data:

- (a) Summary of deviations from any federally-enforceable requirement in this permit.
- (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
- (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
- (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.

[Rule 3003 (D)(1)(e)(i); and 3003(D)(1)(c)(i - iii)]

16. Owner/Operator shall promptly report all deviations from federal operating permit requirements including those attributable to breakdown conditions. Prompt reporting shall be determined for compliance with District Rule 430.

[Rule 3003 (D)(1)(e)(ii)]

[Rule 430 - *Breakdown Provisions* Submitted in conjunction with Title V Program. Final Title V Program Approval 1/16/04 69 FR 2511]

17. On an annual basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 1203. This report shall identify each Applicable Requirement / federally-enforceable requirement in this permit, the compliance status of each subject process unit, whether the compliance was continuous or intermittent since the last certification, and the method(s) used to determine or monitor compliance. Each report shall be certified to be true, accurate, and complete by a responsible official and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.



AVAQMD Federal Operating Permit  
*Antelope Valley Recycling and Disposal Facility, Inc.*  
*Antelope Valley Public Landfill*  
Federal Operating Permit Number: 122802470

[40 CFR 72.90.a and Rule 3003 (D)(1)(g)(vii – x)]

**PART III**  
**EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS**

**A. CONDITIONS APPLICABLE TO LANDFILL CONDENSATE STORAGE, AVAQMD PERMIT # B008631**

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be maintained and kept in good operating conditions at all times.
3. This equipment shall be operated by personnel properly trained in it's operation.
4. This equipment and the associated landfill shall be operated in compliance with Rule 1150 and NSPS Subpart WWW – Standards of Performance for Municipal Solid Waste Landfills (40 CFR 60.750)

**B. CONDITIONS APPLICABLE TO LANDFILL GAS COLLECTION SYSTEM, AVAQMD PERMIT # C008630**

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit to operate is issued unless otherwise noted below, and this equipment shall be properly maintained and kept in good operating condition at all times. This equipment shall be operated and maintained by personnel properly trained in its operation.
2. Well drilling, driving and/or trenching shall not be conducted when the wind speed is greater than 15 m.p.h. average (over 15 minutes) or instantaneously exceeds 25 m.p.h.
3. All work areas, drilling or trenching spoils and unpaved roadways actively in use shall be watered down until the surface is moist and then maintained in a moist condition to minimize dust.
4. If a distinct odor level (Level III or greater) resulting from well drilling, driving and/or trenching is detected at or beyond the property line, all work shall cease until the odor sources are determined and eliminated. Odor levels shall be determined by District personnel or on-site coordinator in the absence of District personnel.
5. All construction spoils shall be transported to the working face of the landfill within one hour of generation or as deemed necessary by District personnel.

During transport of the construction spoils, no material shall extend above the sides or rear of the vehicle hauling the material. The exterior of the vehicle hauling the construction spoils to the working face shall be cleaned off prior to leaving the working site for the working face. Construction spoils are landfill trash, material that is mixed with landfill trash, material that has been in contact with landfill trash, or odorous material that is removed from well holes or trenches.

6. Each vertical or horizontal well head shall be equipped with a shut-off/pressure regulating valve and a sampling port. Each well shall be securely sealed to prevent any emissions of landfill gas from around the well casing.
7. All gases collected by this system shall be vented to a combustion or processing facility which is in full use, can adequately process the volume of gas collected, and has been issued a valid permit to construct or operate by the District.
8. Any breakdown or malfunction of the system resulting in the emission of raw landfill gas shall be reported to the District within one hour after occurrence and immediate remedial measures shall be undertaken to correct the problem and prevent further emissions into the atmosphere.
9. All records shall be kept for at least two years and made available to District personnel upon request.
10. This equipment and the associated landfill shall be operated in compliance with Rule 1150, 1150.1, NSPS Subpart WWW – Standards of Performance for Municipal Solid Waste Landfills (40 CFR 60.750), and National Emission Standards for Hazardous Air Pollutants (NESHAP) (40 CFR 63, Subpart AAAA).

C. CONDITIONS APPLICABLE TO ENCLOSED FLARE, AVAQMD PERMIT # C008629

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below. This equipment shall be properly maintained and kept in good operating condition at all times, and this equipment shall be operated and maintained by personnel properly trained in its operation.
2. All collected landfill gas and extracted air shall be directed to the flare for combustion.
3. The owner/operator shall provide and maintain, with adequate and safe access upon District request, the following:
  - a. Sufficient sight glass windows in the flare to allow visual inspection of the flame within the flare at all times.

- b. Not less than four sampling ports in the flare shroud, not less than two feet above the flame zone and four feet below the top of the flare shroud. Each port shall be installed 90 degrees apart, and shall consist of four inch couplings with plugs.
    - c. A sampling port at the inlet gas line to the flare.
  4. Whenever the flare is in operation, the flare shall not operate for any three continuous hour periods at an average combustion temperature more than 28° C (50° F) below the average combustion temperature during the most recent source test at which compliance was determined, except during flare start-up for a time period not to exceed 30 minutes in length. Compliance with this condition shall be demonstrated with a temperature indicator and recorder which measures and records the gas temperature in the flare stack whenever the flare is in operation. The sensor used to measure the flare temperature shall be above the flame and at least 4 feet below the top of the flare shroud and at least 0.6 seconds downstream of the burner.
  5. The flare shall be equipped with a failure alarm which shuts down the landfill gas blower, associated landfill gas supply valve, and the condensate injection pump in order to isolate the flare from the landfill gas supply line and condensate supply line, and to notify a responsible party of shutdown in the event of flare failure. This safety system shall be tested annually for proper operation.
  6. The total volume of landfill gas and extracted air burned in the flare shall not exceed 1,546 standard cubic feet per minute. In addition, the total volume of condensate burned in the flare shall not exceed 4 gallons per minute.
  7. Emissions from the flare shall not exceed the following:
    - a. NO<sub>x</sub> (as NO<sub>2</sub>) – 2.7 pounds per hr (pph), 65 pounds per day (ppd) and 0.06 pounds per million Btu of heat input;
    - b. SO<sub>x</sub> (as SO<sub>2</sub>) – 1496 lb/month, and 9.1 ton/yr
    - c. CO – 12.9 pph, 311 ppd
    - d. PM – 1.3 pph, 30 ppd
    - e. NMHC (as methane) – 0.28 pph, 7 ppd
  8. Pursuant to Rule 431.1 “Sulfur Content of Gaseous Fuels”, this equipment shall not burn any gaseous fuel containing sulfur compounds, calculated as ppmv hydrogen sulfide, with an average daily concentration in excess of 150 ppmv.
  9. Any breakdown or malfunction of this equipment resulting in the emission of raw landfill gas shall be reported to the District within one hour of detection, and immediate remedial measures shall be undertaken to correct the problem and prevent further emissions into the atmosphere.
  10. This equipment shall be performance tested annually. The landfill company shall

conduct performance tests in accordance with the District test procedures and furnish the District with written results of such performance tests within thirty (30) days after the tests are conducted. Written notice of the performance tests shall be provided to the District seven (7) days prior to the tests so that an observer may be present. All source testing and analytical methods shall be submitted to the District for approval at least sixty (60) days prior to the start of the tests. The performance tests shall be conducted at the maximum achievable flow rates allowed by this permit and shall include, but shall not be limited to, a test of the inlet landfill gas flare, the inlet extracted air, and the flare exhaust for:

- a. Methane
  - b. Total Non-Methane Organics
  - c. Oxides of Nitrogen (exhaust only)
  - d. Carbon Monoxide (exhaust only)
  - e. Total Particulates (exhaust only)
  - f. Hydrogen Sulfide (inlet only)
  - g. C1 and C3 Sulfur Compounds (speciated, inlet only)
  - h. Carbon Dioxide
  - i. Qualitative identification of chemical compounds using a Gas Chromatograph/Mass Spectrometry method (GC/MS) and quantification of these compounds using District approved methods.
  - j. Oxygen
  - k. Nitrogen
  - l. Moisture Content
  - m. Temperature
  - n. Flow Rate
11. The o/o shall maintain a current, on-site operations log for this system for at least two (2) years and the log shall be provided to District, State or Federal personnel upon request. The log shall include, at a minimum, the following information:
- a. Flare temperature;
  - b. Flare failure system test date and test result;
  - c. Landfill gas flowrate
  - d. Condensate flowrate
  - e. Hours of operation
12. This equipment and the associated landfill shall be operated in compliance with Rule 1150, 1150.1, NSPS Subpart WWW – Standards of Performance for Municipal Solid Waste Landfills (40 CFR 60.750), and National Emission Standards for Hazardous Air Pollutants (NESHAP) (40 CFR 63, Subpart AAAA).

D. CONDITIONS APPLICABLE TO PROPANE FUELED INTERNAL COMBUSTION ENGINE POWERING A FIRE PUMP, AVAQMD PERMIT # E008939

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
3. This unit shall only be fired on propane.
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
5. The owner/operator shall maintain a log for this unit, which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of two (2) years and shall be provided to District personnel on request:
  - a. Date of each test;
  - b. Duration of each test, in minutes;
  - c. Why equipment was operated (testing & maintenance, emergency use, required emission testing); and
  - d. Annual operation in terms of fuel consumption (in gallons) and total hours.
6. This unit shall be operated for less than 200 hours in any calendar year. This unit may be operated as part of the system testing and maintenance program, which does not exceed 60 minutes of operating per week. Any time required for emissions compliance source testing shall not be counted as part of the 60 minutes per week limit, however all hours of operation, including any compliance testing hours, would be counted towards the 200 hour per year operational limit.

E. CONDITIONS APPLICABLE TO PAINT SPRAY BOOTH, AVAQMD PERMIT # S008807

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be properly maintained and kept in good operating condition at all times.
3. This equipment shall be operated in compliance with Rule 1107.

4. The owner/operator shall only use compliant coatings, as defined for Metal Coating operations, in Rule 1107(C)(2).
5. The total quantity of volatile organic compound (VOC) emissions from the use of coatings, thinners, reducers and clean-up solvents, from this equipment shall not exceed 24.9 pounds in any 24 hour period (1-day), or 760 pounds in any one calendar month.
6. In addition to the requirement of Rule 109, the operator shall keep adequate records for this permitted equipment to verify daily (and calendar monthly) VOC emissions in pounds, and the VOC content of each material as applied (including water and exempt compounds). These records shall be retained on the premises for at least two years, and made available to district personnel upon request.
7. Total emissions of Hazardous Air Pollutants (HAP) from all permitted equipment and any other HAP emissions at this facility shall be less than ten (10) tons per twelve months for any single HAP and less than 25 tons per twelve months for any combination of HAPs, calculated monthly on a rolling twelve-month basis.
8. The o/o shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium (Section 17 CCR 93112 – Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings). Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for two (2) years, and provision of said information to District, State or Federal personnel upon request.

**PART IV**  
**STANDARD FEDERAL OPERATING PERMIT CONDITIONS**

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.

[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]

2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of AVAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.

[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]

3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).

[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]

4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.

[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]

5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.

[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]



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6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.

[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]

7. Owner/Operator shall furnish to the AVAQMD, within a reasonable time as specified by the AVAQMD, any information that the AVAQMD may request in writing to determine whether cause exists for modifying, revoking and reissuing, terminating, or determining compliance with the Federal Operating Permit.

[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]

8. Owner/Operator shall furnish to qualified District, CARB or EPA personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.

[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]

9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.

[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

10. Owner/Operator shall pay all applicable fees as specified in AVAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.

[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]

11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.

[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]

12. Compliance with condition(s) contained in this Federal Operating Permit shall be

deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that “only” Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).

[40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]

13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.

[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]

14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations, which occurred prior to the issuance of this Federal Operating Permit.

[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]

15. This facility is not subject to any Applicable Requirement Contained in the Acid Rain Program.

[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]

16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the AVAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.

[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.

[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]

18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.

[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]

19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.

[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]

20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.

[40 CFR Part 82, Subpart F]

21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.

[40 CFR Part 82, Subpart B]

22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.

[Section 113(a) of the Clean Air Act]

**PART V**  
**EG/NSPS AND NESHAP APPLICABILITY AND REQUIREMENTS**

The entire current versions of the rules listed below are incorporated by reference and any paraphrasing or outline format contained in the permit does not in any way limit compliance options or change any other provisions in the rules themselves.

A. 40 CFR Part 60, Subpart A Standards of Performance for New Stationary Sources – General Provisions (6/13/07)

Applicable Requirement	Description of Requirement
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator
60.7	Notification and Record Keeping
60.8	Performance Tests
60.11	Compliance with Standards and Maintenance Requirements
60.11(a)	Compliance determined by performance tests
60.11(d)	Control devices operated using good air pollution control practice
60.12	Circumvention
60.13	Monitoring Requirements
60.13(a)	Applies to all continuous monitoring systems
60.13(b)	Monitors shall be installed and operational before performing performance tests
60.13(e)	Continuous monitors shall operate continuously
60.13(f)	Monitors shall be installed in proper locations
60.13(g)	Multiple monitors are required for multiple stacks
60.14	Modification
60.15	Reconstruction
60.19	General Notification and Reporting Requirements

B. 40 CFR Part 60, Subpart WWW Standards of Performance for New Stationary Sources – Standards of Performance for Municipal Solid Waste Landfills (9/21/06)

60.752	Standards for Air Emissions from Municipal Solid Waste Landfills
60.752(b)	Requirements for MSW Landfills with Design Capacity equal to or greater than 2.5 million Mg and 2.5 million m <sup>3</sup> (Large Designated Facilities)

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60.752(b)(2)	Comply with all requirements in sections (b)(2)(i through iv)
60.752(b)(2)(i)	Submit a Collection and Control System Design Plan
60.752(b)(2)(i)(A)	The collection and control system in the Design Plan shall comply with 60.752(b)(2)(ii)
60.752(b)(2)(i)(B)	Design Plan shall include all proposed alternatives to 60.753 through 60.758
60.752(b)(2)(i)(C)	Design Plan shall conform to 60.759 (active collection system) or demonstrate sufficiency of proposed alternatives
60.752(b)(2)(ii)	Install a collection and control system
60.752(b)(2)(iii)	Route collected gases to a control system.
60.752(b)(2)(iii)(B)	Reduce NMOC emissions by 98% by weight or reduce NMOC outlet concentration to less than 20 ppmv as hexane at 3% O <sub>2</sub> , dry basis, as demonstrated by initial performance test within 180 days of start-up. (applies to flares only)
60.752(b)(2)(iv)	Operate in accordance with 60.753, 60.755, and 60.756 60.752(c) Title V Operating Permit Requirements
60.752(c)(1)	Subject date is June 10, 1996 for Landfills new or modified between May 30, 1991 and March 12, 1996
60.753	Operational Standards for Collection and Control Systems
60.753(a)	Operate a Collection System in each area or cell in which:
60.753(a)(1)	Active Cell – solid waste in place for 5 years or more
60.753(a)(2)	Closed/Final Grade – solid waste in place for 2 years or more
60.753(b)	Operate each wellhead under negative pressure unless:
60.753(b)(1)	Fire or increased well temperature or to prevent fire
60.753(b)(2)	Use of geomembrane or synthetic cover (subject to alternative pressure limits)
60.753(b)(3)	Decommissioned well after approval received for shut-down
60.753(c)	Operate each wellhead at < 55 °C, and either < 20% N <sub>2</sub> or < than 5% O <sub>2</sub> (or other approved alternative levels for wells identified in 60.753(c)(1)) N <sub>2</sub> determined by Method 3C
60.753(c)(2)	O <sub>2</sub> determined by 3A
60.753(d)	Surface Leak Limit is less than 500 ppm methane above background at landfill surface. This section also describes some surface monitoring procedures.
60.753(e)	Vent all collected gases to a control system complying with
60.752(b)(2)(iii).	If collection or control system inoperable, shut down gas mover and close all vents within 1 hour
60.753(f)	Operate the control system at all times when collected gas is routed to

	the control system
60.753(g)	If monitoring demonstrates that 60.753(b), (c), or (d) are not being met, corrective action must be taken
60.754	Test Methods and Procedures
60.754(a)	NMOC Calculation Procedures for NMOC Emission Rate Reports and Comparison to 50 Mg/Year Standard
60.654(a)(1)	Calculate NMOC Emission Rate using either or both of the equations in 60.754(a)(1)(i-ii) with the listed default values
60.754(a)(1)(i)	Equation for known year-to-year waste acceptance rate
60.754(a)(1)(ii)	Equation for unknown year-to-year waste acceptance rate
60.754(a)(2)	Tier 1 - compare calculated NMOC emission rate to 50 Mg/year
60.754(a)(2)(ii)	If NMOC Emission Rate > 50 Mg/year, comply with 60.752(b)(2) or determine a site-specific NMOC concentration and follow 60.754(a)(3).
60.754(c)	For PSD, NMOC emissions shall be calculated using AP-42
60.754(d)	Test Methods for Performance Test (Method 18 or 25C)
60.755	Compliance Provisions
60.755(a)	For Gas Collection Systems
60.755(a)(1)	Calculation Procedures for Maximum Expected Gas Generation Flow Rate
60.755(a)(1)(i)	Equation for unknown year-to-year waste acceptance rate
60.755(a)(1)(ii)	Equation for known year-to-year waste acceptance rate
60.755(a)(1)(iii)	For closed or inactive and full sites with gas collection systems, actual flow rates may be used
60.755(a)(2)	Vertical wells and horizontal collectors shall be of sufficient density to meet all performance specifications
60.755(a)(3)	Measure wellhead pressure monthly. If pressure is positive, take corrective action (final corrective action = expand system within 120 days of initial positive pressure reading)
60.755(a)(4)	Expansion not required during first 180 days after startup.
60.755(a)(5)	Monitor wellheads monthly for temperature and either nitrogen or oxygen. If readings exceed limits, take corrective action up to expanding system within 120 days of first excess.
60.755(b)	Wells shall be placed in cells as described in design plan and no later than 60 days after:
60.755(b)(1)	Five years after initial waste placement in cell, for active cells
60.755(b)(2)	Two years after initial waste placement in cell, for closed/final grade cells.
60.755(c)	Procedures for complying with surface methane standard

60.755(c)(1)	Quarterly monitoring of surface and perimeter
60.755(c)(2)	Procedure for determining background concentration
60.755(c)(3)	Method 21 except probe inlet placed 5-10 cm above ground
60.755(c)(4)	Excess is any reading of 500 ppmv or more. Take corrective action indicated below (i-v).
60.755(c)(4)(i)	Mark and record location of excess
60.755(c)(4)(ii)	Repair cover or adjust vacuum. Re-monitor within 10 calendar days.
60.755(c)(4)(iii)	If still exceeding 500 ppmv, take additional corrective action. Re-monitor within 10 calendar days of 2nd excess.
60.755(c)(4)(iv)	Re-monitor within 1 month of initial excess.
60.755(c)(4)(v)	For any location with 3 monitored excesses in a quarter, additional collectors (or other approved collection system repairs) shall be operational within 120 days of 1st excess.
60.755(c)(5)	Monitor cover integrity monthly and repair as needed.
60.755(d)	Instrumentation and procedures for complying with 60.755(c).
60.755(d)(1)	Portable analyzer meeting Method 21
60.755(d)(2)	Calibrated with methane diluted to 500 ppmv in air
60.755(d)(3)	Use Method 21, Section 4.4 instrument evaluation procedures Y
60.755(d)(4)	Calibrate per Method 21, Section 4.2 immediately before monitoring.
60.755(e)	Provisions apply at all times except during startup, shutdown, or malfunction, provided the duration of these shall not exceed 5 days for collection systems or 1 hour for control systems.
60.756	Monitoring of Operations
60.756(a)	For active collection systems, install wellhead sampling port
60.756(a)(1)	Measure gauge pressure in wellhead on a monthly basis
60.756(a)(2)	Measure nitrogen or oxygen concentration in wellhead gas on a monthly basis.
60.756(a)(3)	Measure temperature of wellhead gas on a monthly basis.
60.756(b)	Enclosed combustors shall comply with (b)(1) and (b)(2)
60.756(b)(1)	Temperature monitor and continuous recorder (not required for boilers and process heaters with capacity > 44 MW)
60.756(b)(2)	Device that records flow to or bypass of the control device (i or ii below)
60.756(b)(2)(i)	Install, calibrate, and maintain a device that records flow to the control device at least every 15 minutes.
60.756(e)	Procedures for requesting alternative monitoring parameters
60.756(f)	Monitor surface on a quarterly basis. Closed landfills with no monitored exceedances in 3 consecutive quarters may reduce monitoring frequency

- to an annual basis
- 60.757 Reporting Requirements
- 60.757(a) Submit an Initial Design Capacity Report
- 60.757(a)(3) Amended Design Capacity Report required within 90 days of receiving a permitted increase in design capacity or within 90 days of an annual density calculation that results in a design capacity over the thresholds.
- 60.757(b) Submit Initial and Annual NMOC Emission Rate Report
- 60.757(b)(3) Sites with Collection and Control Systems operating in compliance with this subpart are exempt from (b)(1) and (b)(2) above.
- 60.757(c) Submit a Collection and Control System Design Plan within 1 year of first NMOC emission rate report showing NMOC > 50 MG/year, except as follows
- 60.757(f) Submit Annual Reports containing information required by (f)(1) through (f)(6)
- 60.757(f)(1) Value and length of time for exceedance of parameters monitored per 60.756(a), (b) or (d)
- 60.757(f)(2) Description and duration of all periods when gas is diverted from the control device by a by-pass line
- 60.757(f)(3) Description and duration of all periods when control device was not operating for more than 1 hour
- 60.757(f)(4) All periods when collection system was not operating for more than 5 days.
- 60.757(f)(5) Location of each surface emission excess and all re-monitoring dates and concentrations.
- 60.757(f)(6) Location and installation dates for any wells or collectors added as a result of corrective action for a monitored excess.
- 60.757(g) Initial Performance Test Report Requirements (g)(1-6)
- 60.757(g)(1) Diagram of collection system showing positions of all existing collectors, proposed positions for future collectors, and areas to be excluded from control.
- 60.757(g)(2) Basis for collector positioning to meet sufficient density req.
- 60.757(g)(3) Documentation supporting percentage of asbestos or nondegradable material claims for areas without a collection system.
- 60.757(g)(4) For areas excluded from collection due to non-productivity, calculations and gas generation rates for each non-productive area and the sum for all nonproductive areas.
- 60.757(g)(5) Provisions for increasing gas mover equipment if current system inadequate to handle maximum projected gas flow rate.



60.757(g)(6)	Provisions for control of off-site migration
60.758	Recordkeeping Requirements
60.758(a)	Design Capacity and Waste Acceptance Records (retain 5 years)
60.758(b)	Collection and Control Equipment Records (retain for life of control equipment except 5 years for monitoring data)
60.758(b)(1)	Collection System Records
60.758(b)(1)(i)	Maximum expected gas generation flow rate.
60.758(b)(1)(ii)	Density of wells and collectors
60.758(b)(2)	Control System Records - enclosed combustors other than boilers or process heaters with heat input > 44 MW
60.758(b)(2)(i)	Combustion temperature measured every 15 minutes and averaged over the same time period as the performance test
60.758(b)(2)(ii)	Percent NMOC reduction achieved by the control device
60.758(c)	Records of parameters monitored pursuant to 60.756 and periods of operation when boundaries are exceeded (retain for 5 years).
60.758(c)(1)	Exceedances which are subject to record keeping
60.758(c)(1)(i)	All 3-hour periods when average combustion temperature was more than 28 C below the average combustion temperature during the most recent complying performance test
60.758(c)(2)	Records of continuous flow to control device or monthly inspection records if seal and lock for bypass valves
60.758(d)	Plot map showing location of all existing and planned collectors with a unique label for each collector (retain for life of collection system)
60.758(d)(1)	Installation date and location of all newly installed collectors
60.758(d)(2)	Records of nature, deposition date, amount, and location of asbestos or non-degradable waste excluded from control
60.758(e)	Records of any exceedance of 60.753, location of exceedance and remonitoring dates and data (for wellheads and surface). Retain for 5 years.
60.759	Specifications for Active Collection Systems
60.759(a)	Active wells and collectors shall be at sufficient density
60.759(a)(1)	Collection System in refuse shall be certified by PE to achieve comprehensive control of surface gas emissions
60.759(a)(2)	Collection Systems (active or passive) outside of refuse shall address migration control
60.759(a)(3)	All gas producing areas shall be controlled except as described below (i-iii).
60.759(a)(3)(i)	Any segregated area of asbestos or non-degradable material only may be

- excluded, if documented adequately per 60.758(d).
- 60.759(a)(3)(ii) Any non-productive areas may be excluded from control, provided total NMOC emissions from all excluded areas is < 1% of total NMOC emissions from landfill. Document amount, location, and age of waste and all calculations for each excluded area.
- 60.759(a)(3)(iii) For calculating NMOC emissions, values for k and concentration of NMOC that have been previously approved shall be used or defaults if no values were approved. All nondegradable wastes that are being subtracted from total wastes for NMOC calculations must be documented adequately.
- 60.759(b)  
60.759(b)(1) Gas Collection System Components  
Must be constructed of PVC, HDPE, fiberglass, stainless steel, or other approved material and of suitable dimensions to convey projected gas amounts and withstand settling, traffic, etc.
- 60.759(b)(2) Collectors shall not endanger liner, shall manage condensate and leachate, and shall prevent air intrusion and surface leaks.
- 60.759(b)(3) Header connection assemblies shall include positive closing throttle valve, seals and couplings to prevent leaks, at least one sampling port, and shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other approved materials.
- 60.759(c) Gas Mover Equipment shall be sized to handle maximum expected gas generation rate over the intended period of use.
- 60.759(c)(1) For existing systems, flow data shall be used to project maximum flow rate.
- 60.759(c)(2) For new systems, shall be calculated per 60.755(a)(1)
- C. 40 CFR Part 63, Subpart A National Emission Standards for Hazardous Air Pollutants: General Provisions (5/16/07)
- 63.4 Prohibited activities and circumvention
- 63.5(b) Requirements for existing, newly constructed, and reconstructed sources
- 63.6(e) Operation and maintenance requirements and SSM Plan
- 63.6(f) Compliance with non-opacity emission standards
- 63.10(b)(2)(i-v) Records for startup, shutdown, malfunction, and maintenance
- 63.10(d)(5) Startup, Shutdown, and Malfunction (SSM) Reports
- D. 40 CFR Part 63, Subpart AAAA National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (4/20/06)

- 63.1945 When do I have to comply with this subpart?
- 63.1945(b) Compliance date for existing affected landfills
- 63.1955 What requirements must I meet?
- 63.1955(a)(2) Comply with State Plan that implements 40 CFR Part 60, Subpart Cc
- 63.1955(b) Comply with 63.1960-63.1985, if a collection and control system is required by 40 CFR Part 60, Subpart WWW or a State Plan implementing 40 CFR Part 60, Subpart Cc
- 63.1955(c) Comply with all approved alternatives to standards for collection and control systems plus all SSM requirements and 6 month compliance reporting requirements
- 63.1960 How is compliance determined?
- 63.1965 What is a deviation?
- 63.1975 How do I calculate the 3-hour block average used to demonstrate compliance?
- 63.1980 What records and reports must I keep and submit?
- 63.1980(a) Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart WWW or the State Plan implementing 40 CFR Part 60, Subpart Cc, except that the annual report required by 40 CFR 60.757(f) must be submitted every 6 months
- 63.1980(b) Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subpart A, including SSM Plans and Reports

## PART VI OPERATIONAL FLEXIBILITY

### A. ALTERNATIVE OPERATING SCENARIO (S):

Facility individual State/District Permits are already conditioned to allow facility-wide emissions cap and internal netting. Further, the conditions of these State/District level permits are listed within Part III of this Title V Permit. This facility State/District emissions cap is federally enforceable under the conditions of this Title V Permit.

Facility must comply with these already listed conditions and keep records required for a period of five (5) years from the date the data is generated, and made available to District, State or Federal personnel on request.

### B. OFF PERMIT CHANGES

1. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
  - (a) Permittee has applied for and obtained all permits and approvals required by AVAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and
    - i. The proposed change is not:
      - a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See 1203(E)(1)(c)(i)d.]*
      - b. A modification under Title I of the Federal Clean Air Act; or
      - c. A modification subject to Regulation XIII; and *[See 1203(E)(1)(c)(i) d.]*
      - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See 1203(E)(1)(c)(i)c.]*
      - e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). *[See 1203(E)(1)(c)(i)e.]*

2. Procedure for “Off Permit” Changes

- (a) If a proposed “Off Permit Change” qualifies under Part V, Section (A)(I)(A)(1) above, permittee shall implement the change as follows:
  - i. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. *[See 1203(E)(1)(c)(i)b.]*
  - ii. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
    - a. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition; and *[See 1203(E)(1)(c)(i)b.]*
    - b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See 1203(E)(1)(c)(i)b.]*
    - c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. *[See 1203(E)(1)(c)(i)c.]*
  - iii. Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See 1203(E)(1)(c)(i)a.]*
- (b) Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See 1203(E)(1)(c)(i)a. and g.]*
- (c) Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. *[See 1203(E)(1)(c)(i)f.]*
- (d) Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). *[See 1203(E)(1)(c)(i)f.]*

3. Other Requirements:

- (a) The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
- (b) The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)]*  
*[Rule 1203(E)(1)(c)]*

AVAQMD Federal Operating Permit  
*Antelope Valley Recycling and Disposal Facility, Inc.*  
*Antelope Valley Public Landfill*  
Federal Operating Permit Number: 122802470

## PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

- 40CFR72, Permits Regulation (Acid Rain Program)
- 40CFR73, Sulfur Dioxide Allowance System
- 40CFR75, Continuous Emission Monitoring
- 40CFR75, Subpart D, Missing Data Substitution Procedures
- 40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
- 40CFR75, Appendix C, Missing Data Estimating Procedures
- 40CFR75, Appendix D, Optional SO<sub>2</sub> Emissions Data Protocol
- 40CFR75, Appendix F, Conversion Procedures
- 40CFR75, Appendix G, Determination of CO<sub>2</sub> Emissions

B. Other conventions:

1. Unless otherwise noted, a “day” shall be considered a 24-hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
Btu	British thermal units
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
District	Antelope Valley Air Quality Management District (AVAPCD formed July 1997)
hp	horsepower
AVAQMD	Antelope Valley Air Quality Management District (AVAPCD formed July 1997)
PM <sub>10</sub>	particulate matter less than 10 microns mean aerodynamic diameter

psia	pounds per square inch absolute
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO <sub>2</sub>	sulfur dioxide
HHV	high heating value