

Renewal 04/10/2020

ANTELOPE VALLEY
AIR QUALITY MANAGEMENT DISTRICT

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: April 10, 2020**

**This Federal Operating Permit Expires on:
April 10, 2025**

**Issued By: Bret Banks
Air Pollution Control Officer**



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PERMIT REVISION HISTORY

February 19, 2020 Title V Permit Renewal

The following changes were made with permit renewal:

Part I (A) update to: Facility Name, Mailing Address, added NAICS codes, correction of FOP Number, added a Summary Table of Permitted Equipment (including Portable Equipment) and update of Equipment Descriptions (including Portable Equipment)

Part II (A) removed references to SIP Table for clarity (Part VIII- SIP History and Citations was added), removed Compliance Determination Methods for consistency with District's Title V Permits, added Federal Regulation references, and added dates for Semi Annual and Annual Compliance Reporting

Part II (B) and (C) were combined

Part III (A)-(G) updated permit conditions by adding Rule and Regulation reference, updated with current District Permit conditions (Federal requirements were added to District permits) and District and State Applicability Only conditions added for Portable equipment

Part IV corrections to remove Mohave Desert AQMD Rule reference

Part V EG/NSPS and NESHAP removed for consistency with District's Landfill Title V permits. (requirements were added to District permits)

Part VI corrections to remove Mohave Desert AQMD Rule reference

Part VII update for consistency with District's Title V permits

Part VIII Part added for consistency with District's Title V permits

Renewal by Vickie Rausch

July 8, 2013 Administrative Permit Modification described as follows:

Change of designated responsible official.

Changes made by Roseana Navarro-Brasington

July 2, 2013 Minor Permit Modification described as follows:

The AVAQMD amended Rule 431.1- *Sulfur Content of Gaseous Fuels* on 08/21/2012. This rule is SIP Pending. The amendments included revising the landfill gas sulfur content from 40 ppmv (District/State Only) to 250 ppmv, daily average (calculated as hydrogen sulfide). A relaxation of the limit is not occurring however as the current SIP approved landfill gas sulfur limit is 800 ppmv.

The following changes are related to the Rule 431.1 amendment.

Part II (A)(14) updated current rule version to the most recently adopted and SIP Pending version.

Part III(C)(7)(b) revised monthly and annual SOx limit based on recent rule amendment.

Part III(C)(8) revised sulfur content limit.

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

Changes made by C. Anderson

September 27, 2010 Administrative Permit Modification described as follows:

Administrative changes were made to update Section II to modify timing of *Annual Certification* and semi-annual *Monitoring Report of Deviations* so that the reports are due on the same timeline as the facility required NSPS reporting. This is only a phase change of the reporting due dates. Changes reflected on pages: II-22, II-23 and II-29 with Section II numbering updated as necessary. The district will receive reports based on the new timing commencing September 27, 2010. This will result in additional reporting for first year, this timing change does not have any effect on emissions.

Changes made by Roseana Navarro-Brasington

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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.
1200 West City Ranch Road
Palmdale, California 93551

Facility Name: Antelope Valley Recycling and Disposal Facility, Inc.
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: Nicole Stetson
Phone Number: 661-223-3418
email: nstetson@wm.com

Facility "Site" Contacts: Kyle Mertens
Phone Number: 661-223-3437
email: kmertens@wm.com

Nature of Business: Sanitary Landfill

NAICS: 562212 Solid Waste Landfill

SIC Code: 4953 – Refuse Systems

Facility Location: UTM (Km) 395-E / 3840-N

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 122802470) for The Antelope Valley Recycling and Disposal Facility, Inc., 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 Recycling and Disposal Facility, Inc. 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 condensate 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 Volatile Organic Compounds (VOC)/Hazardous Air Pollutants (HAPs) emissions from soils used as landfill cover.

The description of the facility is not enforceable.

A summary of all equipment is as follows:

<i>Permit No.</i>	<i>Permit Type</i>	<i>Permit Description</i>
C008629	Air Pollution Control Device	ENCLOSED FLARE
C008630	Air Pollution Control Device	LANDFILL GAS COLLECTION SYSTEM
B008631	Basic	ABOVEGROUND LANDFILL CONDENSATE STORAGE
E008939	Emergency ICE	PROPANE IC ENGINE, EMERGENCY FIRE PUMP
S008807	Spray Booth	PAINT SPRAY BOOTH
B012229	Prime	DIESEL IC ENGINE, PRIME PORTABLE: WOOD GRINDER combustion emissions are exempt from Title V permitting requirements
B012230	Prime	DIESEL IC ENGINE, PRIME PORTABLE: WOOD GRINDER combustion emissions are exempt from Title V permitting requirements

B013476	Prime	DIESEL IC ENGINE, PORTABLE: TIPPER combustion emissions are exempt from Title V permitting requirements
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C. DESCRIPTION OF EQUIPMENT:

C008629: ENCLOSED FLARE - Consisting of the following equipment: McGill Environmental Systems, Inc., 47 MMBTU/hr., with multiple burners, propane gas pilot and electric igniter, UV flame scanner, thermocouple with temperature indicator and recorder, Automatic shutdown and alarm system, Automatic combustion air regulating system and temperature controller, Flame arrestor, Landfill gas flow meter and recorder, Moisture separator, Condensate injection pump and flow indicating and recording device.

The flare is designed for control and combustion of the LFG generated by the landfill mass, and combustion of LFG condensate collected to meet an overall destruction efficiency of 98% while operating at approximately 1600 degrees F.

C008630: LANDFILL GAS COLLECTION SYSTEM - Consisting of the following equipment: Fifty-nine (59) LFG wells, HDPE header, 40 hp LFG extraction blower, 3850 scfm @ 20- 50% CH₄ (methane), fifty (50) additional LFG wells, as needed and twenty-five (25) well decommissions, as needed.

The landfill is equipped with a gas collection system which pulls LFG from the refuse mass under vacuum and delivers it to the flare. The LFG collection system itself generates zero emissions since no venting occurs during normal operation. Emissions from LFG combusted in the flare are included in the flare emissions.

B008631: ABOVEGROUND LANDFILL CONDENSATE STORAGE - Consisting of the following equipment: Condensate Sump, and 3000 gallon Condensate Storage Tank located near the flare.

Collected condensate is disposed through injection into the flare along with the LFG. The condensate collection system itself generates zero emissions since no venting occurs during normal system operation. Emissions from condensate combusted in the flare are included in the flare emissions.

E008939: PROPANE IC ENGINE, EMERGENCY FIRE PUMP - Consisting of the following equipment: One Onan modified Ford, LPG fired internal combustion engine

Model No. WSG 1068 and Serial No. 03-10-062281, Ignition Retarded, producing 225 bhp with 10 cylinders at 3600 rpm while consuming a maximum of 8 scf/hr. This equipment powers a Fire Pump Model No. AD24A and Serial No. FF30S1EV.

S008807: PAINT SPRAY BOOTH - Consisting of the following equipment: Spray Booth Systems, 16'W X 35'L X 12'H, with one (1) 5 hp, 42 inch diameter fans, and (30) 20" X 25" X 2" exhaust filters.

PORTABLE EQUIPMENT:

B012229: DIESEL IC ENGINE, PRIME PORTABLE - Consisting of the following equipment: DIESEL IC ENGINE, PRIME PORTABLE, Caterpillar, Model No. C-27, Serial No. TWM00333 1050 bhp at 2300 rpm powering a CBI Grinder Model No. 4800 Magnum. (This equipment is a permitted portable source; therefore combustion emissions are exempt from Title V permitting requirements).

B012230: DIESEL IC ENGINE, PRIME PORTABLE - Consisting of the following equipment: DIESEL IC ENGINE, PRIME PORTABLE, Caterpillar, Model No. C-27, Serial No. TWM00416 1050 bhp at 2300 rpm powering a CBI Grinder Model No. 4800 Magnum. (This equipment is a permitted portable source; therefore combustion emissions are exempt from Title V permitting requirements).

B013476: DIESEL IC ENGINE, PORTABLE - Consisting of the following equipment: DIESEL IC ENGINE, PRIME PORTABLE, Caterpillar, Model No. C4.4, Serial No. 0JKT06494 124 bhp at 2200 rpm powering a Columbia Tipper Model No. 42 ft Horizon. (This equipment is a permitted portable source; therefore combustion emissions are exempt from Title V permitting requirements).

The equipment description is not enforceable.

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING, AND REPORTING
AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS;
COMPLIANCE PLANS

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.
[Rule 203]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.
[Rule 203]
3. The Air Pollution Control Officer may impose written conditions on any permit.
[Rule 204]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204]
5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206]
6. A person shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
[Rule 207]
7. Permits are not transferable.
[Rule 209]
8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[Rule 217]

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]
10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 225]
11. Owner/Operator shall pay all applicable AVAQMD permit fees.
[Rule 301]
12. Owner/Operator shall pay all applicable AVAQMD Title V Permit fees.
[Rule 312]
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
 - (a) The provisions of this rule shall not apply to abrasive blasting operations.
 - (b) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.
 - (c) While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:
 - (i). Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation, a visible emissions

inspection is required every three (3) months or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3-month time frame.

(ii). Diesel Standby and emergency reciprocating engines using California low sulfur fuels require no additional monitoring for opacity.

(iii). Diesel/Distillate-Fueled Boilers firing on California low sulfur fuels require a visible emissions inspection after every 1 million gallons diesel combusted, to be counted cumulatively over a 5-year period.

(iv). On any of the above, if a visible emissions inspection documents opacity, an U.S. Environmental Protection Agency (EPA) Method 9 “Visible Emissions Evaluation” shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3 working day time frame.

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements [Rule 401]

14. A person shall not cause or allow the emissions of Fugitive Dust from:
- (a) Any Active Operation, Open Storage Pile, or Disturbed Surface Area such that the presence of such dust remains visible in the atmosphere beyond the Property Line of the emission source; or
 - (b) Any applicable source such that the dust causes 20 percent opacity or greater during each observation and the total duration of such observations (not necessarily consecutive) is a cumulative three minutes or more in any one hour. Only opacity readings from a single source shall be included in the cumulative total used to determine compliance.
- [Rule 403]
15. 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]

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.

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]

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 (SO₂) 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.

[Rule 407]

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.

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

[Rule 407]

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.

[Rule 408]

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 (CO₂) 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]

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.

[Rule 430]

22. Owner/Operator must comply with the applicable fuel sulfur requirements specified in Rules 431.1 and 431.2.
[Rule 431.1 and Rule 431.2]
23. The provisions of District Regulation IV except District Rule 402 shall not apply to experimental research operations when the following requirements are met:
 - (a) The purpose of the operation is to permit investigation, experiment, or research to advance the state of knowledge or the state of the art; and
 - (b) The APCO has given written prior approval that shall include limitation of time.[District Rule 441]
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.[Rule 442, Rule 204, and Rule 109]
25. Owner/operator shall not set open outdoor fires unless in compliance with District Rule 444.
[District Rule 444]
26. Owner/Operator's use of 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.
[Rule 1107 and Rule 109]

25. Owner/Operator's use of Architectural Coatings at this facility shall comply with the requirements of AVAQMD Rule 1113, including the VOC limits specified in Rule 1113 and referenced in [Appendix A].
[Rule 1113]
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].
[Rule 1136]
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.
[Rule 1145]
28. This facility shall comply with the applicable requirements of Rule 1150 - *Excavation Of Landfill Sites*.
[Rule 1150]
29. This facility shall comply with the applicable requirements of Rule 1150.1 - *Control Of Gaseous Emissions From Active Landfills*.
[Rule 1150.1]
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.
[Rule 1168]
31. Owner/Operator of this facility shall comply with the Solvent Cleaning Operations requirements of District Rule 1171 as listed in Appendix A.
[Rule 1171]
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.

[Rule 1107, Rule 1113, Rule 1168 and Rule 1171]

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.
[Rule 1113]
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.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements; see Part II and Part III conditions)
[Rule 204]

[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*.
[40 CFR 61, subparts A and M]
36. The owner/operator shall comply with the requirements of 40 CFR 63, Subpart A – National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions.
[40 CFR 63, Subpart A]
37. The owner/operator shall comply with the requirements of 40 CFR 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating internal Combustion Engines.
[40 CFR 63, Subpart ZZZZ]
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.

[Rule 109]

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.
[Rule 109]
40. Facility shall comply with the applicable requirements of *Regulation XIII, New Source Review*.
[Regulation XIII]
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.
[40 CFR 63.11169 - 11180]
42. The owner/operator shall comply with all requirements of the District's Title V Program, AVAQMD Rules 3000 through 3011, District Regulation XXX – Federal Operating Permits.
[District Regulation XXX]
43. The owner/operator shall comply with the requirements of 40 CFR Part 60, Subpart WWW Standards of Performance for New Stationary Sources – Standards of Performance for Municipal Solid Waste Landfills.
[40 CFR 60]
44. The owner/operator shall comply with the requirements of 40 CFR Part 63, Subpart AAAA National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills.
[40 CFR 63]

45. The owner/operator shall comply with the requirements of 40 CFR 82 – Protection of Stratospheric Ozone.
[40 CFR 82]
46. Maintenance, service, repair or disposal of equipment containing ozone depleting compounds as defined in Appendix A and Appendix B to Subpart A of 40 CFR Part 82 shall be performed by persons certificated by a technician certification program approved pursuant to 40 CFR Part 82. [40 CFR Part 82]
47. If the facility becomes subject to 40 CFR Part 68 (Risk Management Plan (RMP)) and/or 10 CCR §2735 et al. (California Accidental Release Program - CalARP), then the owner/operator shall submit and maintain a Risk Management Plan as required in the specified regulations. [40 CFR Part 68]
48. If the facility becomes subject to Title IV of the Clean Air Act, then the owner/operator shall request a modification to the Title V permit and prepare and submit the Title IV application forms. [Rule 3003(D)]
49. Owner/Operator shall comply with all requirements of Rule 1211 - Greenhouse Gas Provisions of Federal Operating Permits. Specifically, the Owner/Operator shall include Greenhouse Gas (GHG) emission data and all applicable GHG requirements with any application, as specified in 3011(D)(1), for a Federal Operating Permit.
[Rule 3011 - Greenhouse Gas Provisions of Federal Operating Permits]

B. FACILITY-WIDE MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS:

1. Owner/Operator shall submit, annually, a Compliance Certification as prescribed by Rule 3003(F)(1) and Rule 3008 to the APCO/District, with a copy to the USEPA Region IX Administrator. The Compliance Certification, submitted 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 that 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 Region IX Administrator.
[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) Owner/Operator shall submit a *Compliance Certification Report* to the APCO/District on an annual basis pursuant to District Rule 3003.
 - (e) The annual certification Compliance Certification period is March 1st of the previous year through February 28th (February 29th of a Leap Year) of the current year, and shall be submitted no later than April 30th of each year.
[40 CFR 72.90.a and District Rule 3003 (D)(1)(g)(v - x)]
2. 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. This *Monitoring Report* 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 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.

- (e) The semi-annual reporting period shall be submitted as follows:
 - (i) March 1st through August 31st, due no later than October 31st of each year; and,
 - (ii) September 1st through February 28th (February 29th of a Leap Year), due no later than April 30th of each year.

[District Rule 3003(D)(1)(c)(i-iii); 3003(D)(1)(d)(i); District Rule 3003(D)(1)(e)(i-ii); District 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)]

- 5. 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)]

- 6. 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*; Rule 204];

7. 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.
- (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement are sufficient.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*; Rule 204]

8. 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]

- (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)]

C. 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 pursuant to District Rule 3003, no later than April 4 of any given year. 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. Owner/Operator shall submit, on a *semi-annual* basis, by April 30th and October 31st of any given year, a *Monitoring Report of Deviations* to the APCO/District, with a copy to the EPA Region IX Administrator. 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:
Summary of deviations from any federally-enforceable requirement in this permit.
 - (a) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
 - (b) 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.An alternate Monitoring Report format may be used upon prior approval by AVAQMD.
[Rule 3003(D)(1)(e)(i)]
8. 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)]
9. 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)]

10. 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)]

11. 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) and Rule 430]

12. 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)]
13. 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]
14. 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]
15. 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]
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]

PART III
EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

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

1. This equipment shall be installed, operated and maintained in accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. [AVAQMD Rule 1150.1]2.
2. This equipment shall be maintained and kept in good operating conditions at all times. [AVAQMD Rule 1150.1]
3. This equipment shall be operated by personnel properly trained in it's operation. [AVAQMD Rule 1150.1]
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) [Rule 204]
5. This equipment and associated landfill shall be operated in compliance with 17 CCR 95460-95476 Methane Emissions from Municipal Solid Waste Landfills.
6. This equipment shall comply with all the applicable requirements of this facility's current Federal Operating Permit including Part II – Facility-wide Applicable Requirements. [AVAQMD Rule 204]B.

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

1. This equipment shall be installed, operated and maintained in accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. This equipment shall be operated and maintained by personnel properly trained in its operation.
[AVAQMD Rule 204]
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.
[AVAQMD Rule 403]
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.
[AVAQMD Rule 403]
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.
[AVAQMD Rule 402]
5. All construction spoils shall be transported to the working face of the landfill by the close of the business day 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.
[AVAQMD Rule 204]
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.
[AVAQMD Rule 1150.1]

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.
[AVAQMD Rule 1150.1]
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.
[AVAQMD Rule 430]
9. All records shall be kept for at least five years and made available to District personnel upon request.
[AVAQMD Rule 204]
10. The gas collection header shall have a pressure tap at each individual well. Pressure readings shall be taken and logged monthly. If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for under the following conditions: a fire or increased well temperature (the o/o shall record instances when positive pressure occurs in efforts to avoid a fire), use of a geomembrane or synthetic cover (the o/o shall develop acceptable pressure limits in the design plan), or a decommissioned well (a well may experience a static pressure after shut down to accommodate for declining flows). If not corrected within 15 days the gas collection must be expanded within 120 days of the first positive reading. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval.
[40CFR 60 Subpart WWW 60.753 and 60.755]
11. Each well shall be equipped with one or more sampling ports or taps to allow the measurement of temperature, and either nitrogen content or oxygen content. These measurements shall be taken and logged monthly. The temperature shall be less than 131 degrees Fahrenheit (55 C), and the nitrogen level less than 20 percent or the oxygen level less than 5 percent. If a well exceeds one of these operating parameters, action shall be initiated to correct exceedance(s) within 5 calendar days. If not corrected within 15 days the gas collection system must be

expanded within 120 days of the first excess reading or an alternate remedy and/or timeline may be proposed. The o/o may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.

[40 CFR 60 Subpart WWW 60.753 and 60.755]

12. The o/o shall monitor the landfill surface for methane on a quarterly basis. The surface monitoring shall be performed in accordance with a District-approved monitoring plan. The entire perimeter and surface shall be monitored using a serpentine pattern spaced at 30 meters. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30 meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing. Any point with a methane concentration of 500 ppm or more above background shall be recorded and the point marked (flagged). Corrective action shall be taken and the point re-monitored within 10 days. If another excess reading is taken, additional corrective action shall be taken, and the location shall be re-monitored within 10 days of the second exceedance. If re-monitoring shows a third exceedance for the same location, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance, such as upgrading the blower, header pipes or control device, and a corresponding timeline for installation may be submitted to the Administrator for approval.

[40 CFR 60 Subpart WWW 60.753 and 60.755]

13. The owner/operator shall perform and record quarterly Surface Emissions Monitoring information, which shall include the following:
 - a) A topographic map that indicates the monitoring grids including the grid walking spacing used, i.e. 25 or 100 foot spacing. (17 CCR, Section 95471(c)(1));
 - b) The percentage of areas covered with a geomembrane final cover, or final cover without a geomembrane (17 CCR, Section 95470(b)(3)(I)), and
 - c) Surface Emissions Monitoring (SEM) methane concentrations in parts per million by volume (ppmv) and simultaneous and corresponding wind speed data.[AVAQMD Rule 204, CARB Landfill Methane Regulation, 17 CCR Sections 95460 to 95476]

14. The owner/operator shall submit annual, by March 15 of each calendar year, electronic reports to the District and referenced CARB personnel as outlined herein:
 - a) Emissions related data pursuant to 17 CCR Sections 95470(b)(3)(A through I);
 - b) Gas Collection and Control System (GCCS) monitoring, performance test data, and landfill design information, pursuant to 17 CCR Section 95470(b)(3)(J).
 - c) Grid map, Date of surface emissions monitoring, Equipment calibration, Weather conditions, Instantaneous and integrated surface methane concentration measurements pursuant to 17 CCR Sections 95469(a)(1) and 95469(a)(2).
[District Rule 204]

15. This landfill is subject to the requirements of this District Permit (including Part II Facility wide Applicable Requirements), the California Landfill Methane Regulation, 17 CCR Sections 95460 to 95476, National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63, Subpart AAAA, AVAQMD Rule 431.1, 1150, 1150.1, and NSPS Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills. In the event of conflict, the more stringent requirements shall govern.
[AVAQMD Rule 204]

16. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]

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

1. Operation of this equipment shall be in strict compliance with all the information submitted with the application for which this permit has been issued, unless specifically exempted hereunder.
[AVAQMD Rule 204]

2. All collected landfill gas and extracted air shall be directed to the flare for combustion.
[AVAQMD Rule 1150.1, AVAQMD Rule 1303, BACT]

3. A sufficient number of sight glass windows shall be maintained in the flare to allow visual inspection of the flare flame at all times. Adequate and safe access shall be provided to all sight glass windows.
[AVAQMD Rule 204]
4. The owner/operator (o/o) shall provide sampling ports necessary to perform source tests required to verify compliance with District rules, regulations and permit conditions. The location of these ports and platforms shall be subject to District approval.
[AVAQMD Rule 217]
5. A sampling port shall be maintained at the landfill gas inlet line to allow the collection of a landfill gas sample.
[AVAQMD Rule 217]
6. The flare shall be equipped with thermocouples and a recorder which measures and records the gas temperature in the flare stack. The temperature indicator and the recorder shall operate whenever the flare is in operation.
[40 CFR 70.6 (a)(3)(B) Monitoring requirements] [District Rule 204]
7. Whenever the flare is in operation, a temperature of not less than 1400 degrees Fahrenheit, 15 minute average, as measured by the temperature indicator and recorder, shall be maintained except during periods of startup and shut down. Startup is defined as the period from the flare ignition to the time when 1400 degrees Fahrenheit is achieved, not to exceed 30 minutes. Shutdown is the period beginning when the gas valve begins to close and ending when the gas valve completely shuts off, not to exceed 30 minutes.
[AVAQMD Rule 204]
8. 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.
[AVAQMD Rule 1303, BACT] [AVAQMD Rule 204]
9. The landfill gas flow rate shall be monitored by a flow indicator and recorder.
[AVAQMD Rule 204]

10. 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.
[AVAQMD Rule 1302] [AVAQMD Rule 204]
11. Emissions from the flare shall not exceed the following:
 - a. NO_x (as NO₂) – 2.7 pounds per hr (pph), 65 pounds per day (ppd) and 0.06 pounds per million Btu of heat input;
 - b. SO_x (as SO₂) – 2494 lb/month, and 15.1 ton/yr
 - c. CO – 12.9 pph, 311 ppd
 - d. PM – 1.3 pph, 31.2 ppd
 - e. NMHC (as methane) – 0.28 pph, 7 ppd[AVAQMD Rule 431.1, AVAQMD Rule 1303, BACT]
12. 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 250 ppmv.
[AVAQMD Rule 431.1(C)(2)]
13. 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.
[AVAQMD Rule 430]
14. 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 sixty (60) 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 thirty (30) 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. SCAQMD Rule 1150.1 Table 1 Core Group List of Carcinogenic and Toxic Air Contaminants.
 - j. Oxygen
 - k. Moisture Content
 - l. Temperature (exhaust only)
 - m. Flow Rate
- [AVAQMD Rule 204]
15. This equipment shall achieve at least 98% destruction efficiency for non-methane hydrocarbons or less than or equal to 20 parts per million (ppmv) (as hexane at 3% oxygen), measured from landfill gas inlet to flare exhaust.
[40 CFR 60 Subpart WWW60.752]
16. The o/o shall submit an application to modify this permit should additional flares or other gas control equipment be required for this landfill.
[AVAQMD Rule 1302]
17. The o/o shall maintain a current, on-site operations log for this system for at least five (5) 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
- [AVAQMD Rule 1150.1]
18. This landfill is subject to the requirements of this District Permit, the California Landfill Methane Regulation, 17 CCR Sections 95460 to 95476 (<https://www.arb.ca.gov/regact/2009/landfills09/landfillfinalfro.pdf>), National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63, Subpart AAAA, District Rules 431.1, 1150, 1150.1, and NSPS Subpart WWW -

Standards of Performance for Municipal Solid Waste Landfills. In the event of conflict, the more stringent requirements shall govern.
[District Rule 204]

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

1. This engine, and any associated air pollution control 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. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 63.6625(e) and 63.6605(a)&(b)]
2. This unit shall only be fired on propane fuel or pipeline natural gas.
[District Rule 1302(C)(2)(a)]
3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 63.6625(f)]
4. The owner/operator shall maintain an operations log for this equipment current and on site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
 - a. Date of each use and duration of each use (in hours);
 - b. Reason for use (testing & maintenance, emergency, required emission testing);
 - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours;
 - d. Maintenance performed on this equipment, inclusive of the management practice requirements of condition 6 below;
 - e. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment [40 CFR 63.6655(a)(2)];
 - f. Records of all required maintenance performed on the air pollution control and monitoring equipment [40 CFR 63.6655(a)(4)]; and
 - g. Records of actions taken during periods of malfunction to minimize emissions in accordance with condition 1, including corrective actions to restore

malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation
[40 CFR 63.6655(a)(5)].

5. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward 100 hours per year limit. This engine is not restricted in the hours of emergency operation.
[District Rule 1302 and 40 CFR 63.6640(f)(2)]

6. This engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, this engine is required to meet the following compliance requirements by October 19, 2013:
The owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below:
 - a. Change oil and oil filter every 500 hours of operation or annually, whichever comes first (source has the option to utilize an oil analysis program pursuant to 40 CFR 63.6625(i) in order to extend the specified oil change requirement.);
 - b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first; and
 - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.[40 CFR 63.6603(a) and 63.6640(a)]

7. If this emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements required by condition 6, or shutting down the engine would pose an unacceptable risk, the management practice can be delayed until the emergency is over, or the risk has been abated. The management practice should be performed as soon as practicable after the emergency/risk has ended. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.
[40 CFR 63.6655]

8. The owner/operator must minimize the engine's time spent at idle during startup

and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply.
[40 CFR 63.6625(h)]

9. This equipment is subject to the requirements of 40 CFR 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (NESHAP).
10. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]
6. This equipment shall comply with all the applicable requirements of this facility's current Federal Operating Permit including Part II - Facilitywide Applicable Requirements. [AVAQMD Rule 204]

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

1. This equipment shall be installed, operated and maintained in accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
[AVAQMD Rule 204]
2. This equipment shall be properly maintained and kept in good operating condition at all times.
[AVAQMD Rule 204]
3. This equipment shall be operated in compliance with Rule 1107- Coating of Metal Parts and Products.
[AVAQMD Rule 1107]
4. The owner/operator shall only use compliant coatings, as defined for Metal Coating operations, in Rule 1107(C)(2).

[AVAQMD Rule 1107]

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.

[AVAQMD Rule 1303]

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.

[AVAQMD Rule 1107]

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.

[AVAQMD Rule 204]

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.

[17 CCR 93112]

9. This equipment shall comply with all the applicable requirements of this facility's current Federal Operating Permit including Part II – Facility-wide Applicable Requirements. [AVAQMD Rule 204]

F. *CONDITIONS APPLICABLE TO DIESEL IC ENGINE, PRIME PORTABLE, AVAQMD PERMIT # B012229 & B012230*

1. This certified diesel engine and associated 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. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [District Rule 1302(C)(2)(a)]
District and State Applicability Only
2. This diesel ICE and its associated equipment cannot be operated at the same location (facility) for more than 12 consecutive months. Engine and associated equipment must meet portable requirements of Title 13 CCR 93116.2(a)(29).
District and State Applicability Only
3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% or 15 ppm on a weight per weight basis per CARB Diesel or equivalent requirements. [Title 17 CCR Section 93116.3(a)] ***District and State Applicability Only***
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. [Title 17 CCR Section 93116.4(2)(a)]
District and State Applicability Only
5. The o/o shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of three (3) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
 - a. Date of each use and duration of each use (in hours);
 - b. Calendar year operation in terms of fuel consumption (in gallons) and total hours;
 - c. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log);
 - d. Brief description of materials processed; and
 - e. Weight of material processed (in tons per day, summarized on a monthly and annual basis) and a description of the method used for the mass estimate.[District Rule 1303]
District and State Applicability Only

6. This Tier 2 engine, > 750 bhp, built prior to 1/1/2009 shall not operate past January 1st, 2025; or this Large Fleet may phase-out based on Fleet PM Standard (g/bhp-hr).
For phase-out, the Large Fleet must comply with the following weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates:
- | Compliance Date Fleet | PM Standard (g/bhp-hr) |
|-----------------------|------------------------|
| 1/1/2020 | 0.10 |
| 1/1/2023 | 0.06 |
| 1/1/2027 | 0.03 |
- Large Fleet must submit written request by 6/30/2019 for this option.
[Title 17 CCR 93116.3.(c)]
District and State Applicability Only
7. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent shall govern.
District and State Applicability Only
8. This portable equipment shall not be operated and/or located within 1,000 feet of a public or private school (kindergarten through 12th grade) of more than 12 students for more than 45 consecutive days without completing the notification required by Health and Safety Code §§ 42301.6.
District and State Applicability Only
9. This engine shall be operated no more than 1011 hours annually.
[AVAQMD Rule 1303, BACT limit]
District and State Applicability Only
10. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]
District and State Applicability Only

**G. CONDITIONS APPLICABLE TO DIESEL IC ENGINE, PRIME PORTABLE,
AVAQMD PERMIT # B013476**

1. This Tier 4 Final certified diesel engine, and any associated air pollution control equipment, shall be operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(C)(2)(a)]
District and State Applicability Only
2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved for a valid business purpose within this facility or moved to another facility annually.)
[Title 17 CCR 93116.2(bb)]
District and State Applicability Only
3. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) per CARB Diesel or equivalent requirements; or alternative diesel fuel or CARB diesel fuel utilizing fuel additives that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.
Note: Use of CARB certified ULSD satisfies this requirement.
[Title 17 CCR 93116.3(a)]
District and State Applicability Only
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[Title 17 CCR 93116.4(b)(2)(A)]
District and State Applicability Only
5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
 - a. Date of each use and duration of each use (in hours);

- b. Reason for use (Regular use, testing & maintenance, emergency, required emission testing);
- c. Monthly and annual operation in terms of fuel consumption (in gallons) and total hours; and,
- d. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).
- e. Location of operation, specific area within the landfill.
[District Rule 1302; 1320; Title 17 CCR 93116.4(c)]

District and State Applicability Only

- 6. This portable equipment shall not be operated and/or located within 1,000 feet of a public or private school (kindergarten through 12th grade) of more than 12 students for more than 45 consecutive days without completing the notification required by Health and Safety Code 42301.6.

District and State Applicability Only

- 7. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent shall govern.

[District Rule 1302]

District and State Applicability Only

- 8. This engine shall not operate more than 13 hours per day, for a total operating limit of 4,056 hours per year. Compliance with this limit shall be verified by condition 5(a).

[District Rule 1302]

District and State Applicability Only

- 9. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

District and State Applicability Only

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 3003(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 3003(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 3003(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 3003(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 3003(D)(1)(f)(v)]

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 3003(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 3003(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 3003(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 3003(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 3003(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 3003(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 3003(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 3003(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 3003(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 3003(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 3003(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 3003(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 3003(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 3003 (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 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 3003(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 3003(E)(1)(c)(i) d.]
 - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and [See 3003(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 3003(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 3003(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 3003(E)(1)(c)(i)b.]*
 - b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See 3003(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 3003(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 3003(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 3003(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 3003(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 3002(B)(3)(b). *[See 3003(E)(1)(c)(i)f.]*

3. Other Requirements:

- (a) The provisions of Rule 3005 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
- (b) The provisions of Rule 3003(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 3003(E)(1)(c)]

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 SO₂ Emissions Data Protocol
- 40CFR75, Appendix F, Conversion Procedures
- 40CFR75, Appendix G, Determination of CO₂ 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:**

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
AVRDF	Antelope Valley Recycling and Disposal Facility
bhp	brake horsepower
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO ₂	carbon dioxide
District	Antelope Valley Air Quality Management District
AVAQMD	Antelope Valley Air Quality Management District
gr/dscf	grains per dry standard cubic foot

gpm	gallons per minute
gph	gallons per hour
HHV	high heating value
H&SC	California Health and Safety Code
hp	horsepower
lb	pounds
lb/hr	pounds per hour
lb/MMBtu	pounds per million British thermal units
MMBtu	million British thermal units
MMBtu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH ₃	ammonia
NMOC	non-methane organic compounds
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
O ₂	oxygen
pH	pH (acidity measure of solution)
PM ₁₀	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psia	pounds per square inch absolute
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO _x	oxides of sulfur
SO ₂	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure
USEPA	United States Environmental Protection Agency

D. DEFINITIONS:

For the purposes of AVAQMD rules and their use in this Federal Operating Permit, the

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definitions contained in the specified AVAQMD rule shall apply.

**PART VII
 DISTRICT SIP HISTORY AND CITATIONS**

A. DISTRICT RULE SIP HISTORY:

1. For District Rule SIP History including approval, pending approval, etc., please see:
[http://avaqmd.ca.gov/files/aa5e9c334/AVAQMD%20State%20Implementation%20Plan%20\(SIP\)%20Table.pdf](http://avaqmd.ca.gov/files/aa5e9c334/AVAQMD%20State%20Implementation%20Plan%20(SIP)%20Table.pdf)

B. DISTRICT RULE SIP CITATIONS:

1. District Rule SIP Citations are on the following pages.

District Rule	Title	SIP Rule Version	Citation	Federally enforceable?	Notes
101	<i>Title</i>	5/17/2005	Approved: 9/2/2008, 73 FR 51226, 40 CFR 52.220(c)(344)(i)(A)(2)	Y	Current Rule Version = 5/17/2005
102	<i>Definition of Terms</i>	5/17/2005	Approved: 9/2/2008, 73 FR 51226, 40 CFR 52.220(c)(344)(i)(A)(2)	Y	Current Rule Version = 5/17/2005
103	<i>Definition of Geographical Area</i>	9/16/1997	Approved:12/31/1998, 63 FR 72197, 40 CFR 52.220(c)(254)(i)(E)(2)	Y	Current Rule Version = 9/16/1997
106	<i>Increments of Progress</i>	5/17/2005	Approved:9/2/2008, 73 FR 51226, 40 CFR 52.220(c)(344)(i)(A)(3)	Y	Current Rule Version = 5/17/2005
107	<i>Certification of Submissions and Emissions Statements</i>	5/5/2012	Approved: 9/2/2008,73 FR 51226, 40 CFR 52.220(c)(344)(i)(A)(4)	Y	Current Rule Version = 5/5/2012
108	<i>Alternate Emission Control Plans</i>	5/17/2005	Approved: 9/2/2008, 73 FR 51226, 40 CFR 52.220(c)(344)(i)(A)(4)	Y	Current Rule Version = 5/17/2005
109	<i>Recordkeeping For Volatile Organic Compound Emissions</i>	4/20/2010	Approved: 3/1/2012, 77 FR 12495, 40 CFR 52.220(c)(381)(i)(G)(2)	Y	Current Rule Version = 4/20/2010

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201	<i>Permit to Construct</i>	8/19/1997	Approved: 2/22/2005, 70 FR 8557, 40 CFR 52.220(c)(254)(i)(E)(3)	Y	Current Rule Version = 8/19/1997
203	<i>Permit to Operate</i>	8/19/1997	Approved: 2/22/2005, 70 FR 8557, 40 CFR 52.220(c)(254)(i)(E)(3)	Y	Current Rule Version = 8/19/1997
204	<i>Permit Conditions</i>	8/19/1997	Approved: 2/22/2005, 70 FR 8557, 40 CFR 52.220(c)(254)(i)(E)(3)	Y	Current Rule Version = 8/19/1997
205	<i>Expiration of Permits to Construct</i>	8/19/1997	Approved: 2/22/2005, 70 FR 8557, 40 CFR 52.220(c)(254)(i)(E)(3)	Y	Current Rule Version = 8/19/1997
206	<i>Posting of Permit to Operate</i>	1/9/1976	Approved 11/9/1978, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/1978, 43 FR 52237, 40 CFR 52.220(c)(31)(vi)(C,) Submitted as amended 8/19/1997 on 3/10/1998	Y	Current Rule Version = 8/19/1997: Current rule adds a provision for facility permits and requires that they be kept at the location for which they are issued. For compliance purposes the current version of the rule shall apply
207	<i>Altering or Falsifying Of Permit</i>	1/9/1976	Approved 11/9/1978, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/1978, 43 FR 52237, 40 CFR 52.220(c)(31)(vi)(C,)	Y	Current Rule Version = 1/9/1976
208	<i>Permit for Open Burning</i>	5/17/05	Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iii)(C)]	Y	Current Rule Version =5/17/05
209	<i>Transfer And Voiding Of Permits</i>	1/9/1976	Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]; Submitted as amended 1/5/1990 on 12/31/1990; Submitted as amended 11/1/1985 on 6/4/1986	Y	Current Rule Version = 1/5/1990
210	<i>Applications</i>	5/17/05	Approved 9/2/2008, 73 FR 51226, 40 CFR 52.220(c)(344)(i)(A)(4)	Y	Current Rule Version = 5/17/05

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212	<i>Standards for Approving Permits</i>	5/17/2005	Approved: 9/2/2008, 73 FR 51226, 40 CFR 52.220(c)(344)(i)(A)(4)	Y	Current Rule Version = 5/17/2005
217	<i>Provision for Sampling and Testing Facilities</i>	8/19/1997	Approved 2/22/2005, 70 FR 8557, 40 CFR 52.220(c)(254)(i)(E)(3)	Y	Current Rule Version = 8/19/1997
218	<i>Continuous Emission Monitoring</i>	2/17/2012	Approved 9/30/2013, 78 FR 59840, 40 CFR 52.220(c)(423)(i)(B)(1)	Y	Current Rule Version = 2/17/2012
218.1	<i>Continuous Emission Monitoring Performance Specifications</i>	2/17/2012	Approved 9/30/2013, 78 FR 59840, 40 CFR 52.220(c)(423)(i)(B)(2)	Y	Current Rule Version = 2/17/2012
219	<i>Equipment Not Requiring a Written Permit</i>	9/4/1981	Approved 7/6/1982 47 FR 29231, 40 CFR 52.220(103)(xviii)(A), Submitted as amended on 2/16/1999	Y	Current Rule Version = 10/18/2016
220	<i>Exemption, Net Increase in Emissions</i>	5/17/2005	Approved: 9/2/2008, 73 FR 51226, 40 CFR 52.220(c)(344)(i)(A)(4)		Current Rule Version = 5/17/2005
225	<i>Federal Operating Permit Requirement</i>	SIP Pending	Submitted as adopted 3/17/1998 on 2/16/1999	Y	Current Rule Version = 1/18/11
301	<i>Permit Fees</i>	Not SIP		N	Current Rule Version = 7/17/2018
312	<i>Supplemental Fees for Federal Operating Permits</i>	Not SIP		N	Current Rule Version = 5/19/1998
401	<i>Visible Emissions</i>	3/2/1984	Approved 5/3/1984 49 FR 18822, 40 CFR 52.220(c)(70)(i)(D) and 40 CFR 52.227(b)(4)(i) and 1/29/1985, 40 CFR 52.220(c)(155)(iv)(B) 50 FR 3906	Y	Current Rule Version = 4/7/1989
403	<i>Fugitive Dust</i>	4/20/2010	Approved 12/10/2014, 79 FR 73203, 40 CFR	Y	Current Rule Version = 4/20/2010

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			52.220(c)(381)(i)(G)(3)		
404	<i>Particulate Matter Concentration</i>	10/5/1979	Approved 9/28/1981, 46 FR 47451, 40 CFR 52.220(c)(58)(ii)(B), Submitted as amended 2/7/1986 on 6/4/1986, approved for SCAQMD area only 9/2/1998	Y	Current Rule Version = 2/7/1986
405	<i>Solid Particulate Matter, Weight</i>	5/7/1976	Approved 9/28/1981, 46 FR 47451, 40 CFR 52.220(c)(69)(ii), Submitted as amended 2/7/1986 on 6/4/1986 and approved for SCAQMD area only 9/2/1998	Y	Current Rule Version = 2/7/1986
407	<i>Liquid and Gaseous Air Contaminants</i>	4/2/1982	Approved 11/10/1982 47 FR 50864, 40 CFR 52.220(c)(124)(iv)(A)	Y	Current Rule Version = 4/2/1982
408	<i>Circumvention</i>	5/7/1976	Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iii)(C)	Y	Current Rule Version = 5/7/1976
409	<i>Combustion Contaminants</i>	8/7/1981	Approved 7/6/82, 47 FR 29231, 40 CFR 52.220(c)(103)(xviii)(A)	Y	Current Rule Version = 8/7/1981
430	<i>Breakdown Provisions</i>	Not SIP	Submitted in conjunction with Title V Program	Y	Current Rule Version = 3/17/1998
431.1	<i>Sulfur Content of Gaseous Fuels</i>	8/21/2012	Approved 9/30/2013, 78 FR 59840, 40 CFR 52.220(c)(429)(i)(B)(1)	Y	Current Rule Version = 8/21/2012
431.2	<i>Sulfur Content of Liquid Fuels</i>	2/2/1979	Approved 9/28/81, 46 FR 47451, 40 CFR 52.220(c)(65)(ii)	Y	Current Rule Version = 5/4/1990
442	<i>Usage of Solvents</i>	11/15/2005	Approved 10/31/2006, 71 FR 63696, 40 CFR 52.220(c)(344)(i)(A)(1)	Y	Current Rule Version = 11/15/2005
444	<i>Open Fires</i>	2/19/08	Approved 9/11/2009 74 FR 27716, 40 CFR 52.220(c)(359)(i)(D)(1)	Y	Current Rule Version = 2/19/08
461	<i>Gasoline Transfer and Dispensing</i>	10/21/2008	Approved, 40 CFR 52.220(c)(366)(i)(C)(1)	Y	Current Rule Version = 10/21/08
462	<i>Organic Liquid Loading</i>	09/19/17	Approved 05/03/2019 83 FR 19681	Y	Current Rule Version = 09/19/17

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701	<i>Air Pollution Emergency Contingency Actions</i>	05/20/14	Approved 10/5/2015, 80 FR 60040	Y	Current Rule Version = 5/20/2014
1107	<i>Coating Of Metal Parts and Products</i>	5/12/1995	Approved 7/14/1995, 60 FR 36230, 40 CFR 52.220(c)(222)(i)(A)(1)	Y	Current Rule Version = 3/8/1997
1110.2	<i>Emissions From Stationary, Non-road & Portable Internal Combustion Engines</i>		Submitted as amended on 9/8/2018	Y	Current Rule Version = 9/8/2018
1113	<i>Architectural Coatings</i>	6/18/2013	Approved 12/8/2015, 80 FR 76222, 40 CFR 52.220(c)(441)(i)(E)(3)	Y	Current Rule Version = 6/18/2013
1124	<i>Aerospace Assembly and Component Manufacturing Operations</i>	8/20/13	80 FR 60040	Y	Current Rule Version = 8/20/13
1130	<i>Graphic Arts</i>	11/19/13	Approved: 10/05/2015 80 FR 60040	Y	Current Rule Version = 11/19/13
1134	<i>Stationary Gas Turbines</i>	1/19/2010	Approved: 1/18/2012, 77 FR 2469, 40 CFR 52.220(c)(381)(i)(G)(1)	Y	Current Rule Version =
1136	<i>Wood Products Coatings</i>	9/8/1995	Approved 10/31/1995, 60 FR 55312, 40 CFR 52.220(c)(225)(i)(A)(1)	Y	Current Rule Version = 6/14/1996
1140	<i>Abrasive Blasting</i>	2/1/1980	Approved 9/28/81, 46 FR 47451, 40 CFR 52.220(c)(67)(i)(B)	Y	Current Rule Version = 8/2/1985
1145	<i>Plastic, Rubber and Glass Coatings</i>	1/10/1992	Approved 12/20/1993, 58 FR 66286, 40 CFR 52.220(c)(191)(i)(A)(1)	Y	Current Rule Version = 2/14/1997
1146	<i>Emissions Of Oxides Of Nitrogen From Industrial, Institutional, And Commercial</i>	5/13/1994	Approved 9/6/95, 60 FR 46220, 40 CFR 52.220(c)(198)(i)(H)(1)	Y	Current Rule Version = 5/13/1994

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	<i>Boilers, Steam Generators, And Process Heaters</i>				
1150	<i>Excavation of Landfill Sites</i>	Not SIP		N	Current Rule Version = 10/15/1982
1150.1	<i>Control of Gaseous Emissions from Active Landfills</i>	04/05/85	5/6/97, 62 FR 24574, 40 CFR 52.220(c)(164)(i)(E)(1)	Y	Current Rule Version = 04/05/85
1150.2	<i>Control of Gaseous Emissions from Inactive Landfills</i>	10/18/1985	LA/LD: 5/6/1997, 62 FR 24574, 40 CFR 52.220(c)(164)(i)(E)	Y	Current Rule Version =10/18/1985
1151	<i>Motor Vehicle And Mobile Equipment Coating Operations</i>	06/19/12	Approved 4/10/2000, 56 FR 18901, 40 CFR 52.220(c)(270)(i)(E)(1)	Y	Current Rule Version = 06/19/12
1151.1	<i>Motor Vehicle Assembly Coating Operations</i>	06/20/17	83 FR 24033	Y	Current Rule Version = 06/20/17
1162	<i>Polyester Resin Operations</i>	5/13/1994	Approved 8/25/94, 59 FR 43754, 40 CFR 52.220(c)(215)(i)(A)(1)	Y	Current Rule Version = 5/13/1994
1168	<i>Adhesive Applications</i>	9/20/2011	Approved 40 CFR 52.220(c)(411)(i)(D)(1)	Y	Current Version = 09/20/11
1171	<i>Solvent Cleaning</i>	9/13/1996	Approved 5/24/2001, 66 FR 28666, 40 CFR 52.220(c)(262)(i)(e)(2)	Y	Current Rule Version = 11/17/1998
1173	<i>Solvent Cleaning</i>	6/17/2008	Approved: 8/28/2009, 74 FR 44294, 40 CFR 52.220(c)(361)(i)(B)(1)	Y	Current Rule Version = 6/17/2008
1401	<i>New Source Review for Toxic Air contaminants</i>	Not SIP		N	Current Rule Version = 8/15/2006
Reg XIII	<i>New Source Review</i>	SIP Pending	Submitted as amended 3/20/2001 on 10/31/2001; Approved for SCAQMD	Y	Current Rule Version = 3/20/2001

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			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)		
3003	<i>Federal Operating Permits</i>	Not SIP		Y	Current Rule Version = 4/19/05
3011	<i>Greenhouse Gas Provisions of Federal Operating Permits</i>	Not SIP		Y	Current Rule Version = 1/18/2011