

YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT
1947 Galileo Court, Suite 103, Davis, CA 95618
(530)757-3650

**TITLE V OPERATING PERMIT
PROPOSED RENEWAL**

Permit Number: F-01392-4

ISSUED TO:

Yolo County Central Landfill
44090 County Road 28H
Woodland, CA 95776

PLANT SITE LOCATION:

44090 County Road 28H
Woodland, CA 95776

ISSUED BY:

	_____	_____
	Mat Ehrhardt, P.E., Air Pollution Control Officer	Date
PROPOSED	November 16, 2010	
EFFECTIVE	PROPOSED	
EXPIRATION	PROPOSED	

Nature of Business: Municipal Solid Waste Landfill

SIC Code: 4953

Responsible Official:

Name: Linda Sinderson, P.E., R.G.
Title: Deputy Director of Yolo County
Planning, & Public Works
Department
Phone: (530) 666-8852

Site Contact Person:

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I. FACILITY EMISSION UNITS AND EQUIPMENT LISTS:

A. Insignificant Emissions Units

Insignificant emissions units or exempted equipment may be supplemented, replaced or modified with non-identical equipment without notice provided exemption status has not changed as defined in current district or federal rules. The equipment listed in Table 1 is a partial listing of equipment currently identified as exempt or insignificant and not required to obtain an operating permit pursuant to Rule 3.2 (Exemptions) of the Yolo-Solano Air Quality Management District.

Table 1: Exempted And Insignificant Emissions Units (partial listing)

Insignificant Equipment Description	Basis for Exemption
Motor Vehicles and Construction Equipment	District Rule 3.2, Section 101.1
Stationary Internal Combustion (IC) Engine less than 50 BHP	District Rule 3.2, Section 105.1
Miscellaneous Liquid Storage and Transfer Tanks and Ponds	District Rule 3.2, Section 109.2
Household Hazardous Waste Facility (Other Miscellaneous Equipment)	District Rule 3.2, Section 113

B. Significant Emissions Unit Information

Except for Permit to Operate (PTO) P-15-05(a), each of the following emission units has been constructed pursuant to the requirements of an approved Authority to Construct (ATC) that has been issued in accordance with District Rule 3.1 (General Permit Requirements) and District Rule 3.4 (New Source Review).

Identification Number: P-15-05, Municipal Solid Waste (MSW) Landfill

Equipment Description: MSW landfill not to exceed a total maximum design capacity of 25 million cubic yards with a total maximum area not to exceed 473 acres; bioreactor cells not to exceed a maximum design capacity of 1.593 million cubic yards and with a maximum area not to exceed 24.7 acres

Control Equipment: None

Identification Number:	P-15-05(a),¹ MSW Landfill (proposed by ATC C-07-164)
Equipment Description:	MSW landfill not to exceed a total maximum design capacity of 49.0352 million cubic yards of waste
Control Equipment:	Negative pressure landfill gas collection system serving the conventional and non-conventional portions of the landfill (previously referred to as "bioreactors") and LFG Specialties, F-2000 enclosed flare (shared with P-26-98 ²)
Identification Number:	P-25-07, Emergency Engine
Equipment Description:	317 BHP diesel fired Cummins IC engine, Model No. QSL9-G2-NR3, Serial No. 21735452, Model Year 2006, EPA Certified Tier III Engine
Control Equipment:	Aftercooler and turbocharger
Identification Number:	P-31-10, Receiving, Dewatering, and Aeration of Non-Hazardous Liquid Waste with Odor Potential (NHLWOP)
Equipment Description:	Chopper pump #1; chopper pump #2; filter press feed pump; Prime Solutions filter press; polymer mix pump; air compressor motor; sludge conveyor motor; LPS 2 pump; misc. evaporation pumps; misc. surface aerators; and WMU-G transfer pump. Total equipment electric horsepower not to exceed 90 HP.
Control Equipment:	None

¹The MSW landfill has not yet been modified and is still operating under the provisions of PTO P-15-05. It is expected that once YCCL commences operation under the requirements of ATC C-07-164 and has demonstrated compliance with requirements of the construction permit, ATC C-07-164 will be implemented into PTO P-15-05(a). Since it is unclear as to when the implementation of ATC C-07-164 may occur, this operating permit contains the requirements of P-15-05 and the proposed requirements of P-15-05(a). Upon the implementation of P-15-05(a), this Title V permit will be administratively amended to remove all conditions pertaining to PTO P-15-05.

² The gas collection system serves the existing landfill cells but the equipment is not owned or operated by YCCL (see PTO P-26-98(t1) issued to NEO Yolo LLC). Since the collection system's capture efficiency of 94.1% is applied to the landfill's total fugitive emissions calculation, the District will reference the collection system and operating permit number in this permit.

II. SPECIFIC UNIT REQUIREMENTS

A. Emission Limits

Emission Limits for P-15-05, MSW Landfill

- A.1 The fugitive VOC emissions from the landfilling operation under P-15-05 shall not exceed 135.5 lb/day, 12,193 lb/1st calendar quarter, 12,329 lb/2nd calendar quarter, 12,464 lb/3rd calendar quarter, 12,464 lb/4th calendar quarter, and 24.73 tons/year. [District Rule 3.4/C-03-226]

Emission Limits for P-15-05(a), MSW Landfill

- A.2 The fugitive VOC emissions from the landfilling operation under P-15-05(a) shall not exceed 279.6 lb/day, 25,165 lb/1st calendar quarter, 25,445 lb/2nd calendar quarter, 25,725 lb/3rd calendar quarter, 25,725 lb/4th calendar quarter, and 51.03 tons/year. [District Rule 3.4/C-07-164]
- A.3 Except for active disposal areas, or areas undergoing maintenance, repair, modification or closure, the surface emissions at any point on the surface of the landfill or along the gas transfer path of the gas collection system shall not exceed a total organic compounds concentration of 500 ppmv (measured as methane). Any reading of 500 ppm or more above background at any location shall be recorded as a monitored exceedance and the actions specified in 40 CFR Part 60.755(c)(4)(i) through (c)(4)(v) shall be taken by the owner or operator of the gas collection system. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements of this permit or 40 CFR Part 60.753(d). [District Rule 3.4 and 40 CFR Part 60.755(c)(4)/C-07-164]

Emission Limits for P-25-07, Emergency Engine

- A.4 The VOC emissions from the emergency engine of P-25-07 shall not exceed 0.7 lb/day, 6 lb/1st calendar quarter, 6 lb/2nd calendar quarter, 6 lb/3rd calendar quarter, 6 lb/4th calendar quarter, and negligible tons/year. [District Rules 2.16 and 3.4/C-06-169]
- A.5 The CO emissions from the emergency engine of P-25-07 shall not exceed 4.8 lb/day, 40 lb/1st calendar quarter, 40 lb/2nd calendar quarter, 40 lb/3rd calendar quarter, 40 lb/4th calendar quarter, and 0.02 tons/year. [District Rules 2.16 and 3.4/C-06-169]

- A.6 The NO_x emissions from the emergency engine of P-25-07 shall not exceed 62.4 lb/day, 520 lb/1st calendar quarter, 520 lb/2nd calendar quarter, 520 lb/3rd calendar quarter, 520 lb/4th calendar quarter, and 0.26 tons/year. [District Rules 2.16 and 3.4/C-06-169]
- A.7 The SO_x emissions from the emergency engine of P-25-07 shall not exceed 0.1 lb/day, 1 lb/1st calendar quarter, 1 lb/2nd calendar quarter, 1 lb/3rd calendar quarter, 1 lb/4th calendar quarter, and negligible tons/year. [District Rules 2.12, 2.16, and 3.4/C-06-169]
- A.8 The PM₁₀ emissions from the emergency engine of P-25-07 shall not exceed 0.9 lb/day, 7 lb/1st calendar quarter, 7 lb/2nd calendar quarter, 7 lb/3rd calendar quarter, 7 lb/4th calendar quarter, and negligible tons/year. [District Rules 2.16 and 3.4/C-06-169]
- A.9 The particulate matter (as PM₁₀) emission concentration for the IC engine shall not exceed 0.012 gr/DSCF. [District Rules 2.11, 2.12 and 3.4/C-06-169]
- A.10 The emission rates for the emergency engine of P-25-07 shall not exceed the following:
- VOC - 1.0 grams per brake horsepower-hour (g/BHP-hr);
 - CO - 11.4 g/BHP-hr;
 - NO_x - 6.9 g/BHP-hr; and
 - PM₁₀ - 0.40 g/BHP-hr. [40 CFR Part 60.4205(a)]

Emission Limits for P-31-10, Receiving, Dewatering, and Aeration of Non-Hazardous Liquid Waste with Odor Potential (NHLWOP)

- A.11 The VOC emissions from the non-hazardous liquid receiving and aeration process under P-31-10 shall not exceed negligible lb/day, 1 lb/1st calendar quarter, 1 lb/2nd calendar quarter, 1 lb/3rd calendar quarter, and 1 lb/4th calendar quarter, and negligible tons/year. [District Rule 3.4/C-09-42]

Emission Limits for P-71-06(t), Emergency Engine

- A.12 The VOC emissions from the emergency engine of P-71-06(t) shall not exceed 1.6 lb/day, 13 lb/1st calendar quarter, 13 lb/2nd calendar quarter, 13 lb/3rd calendar quarter, 13 lb/4th calendar quarter, and 0.01 tons/year. [District Rules 2.16 and 3.4/C-06-116]
- A.13 The CO emissions from the emergency engine of P-71-06(t) shall not exceed 6.2 lb/day, 52 lb/1st calendar quarter, 52 lb/2nd calendar quarter,

52 lb/3rd calendar quarter, 52 lb/4th calendar quarter, and 0.03 tons/year. [District Rules 2.16 and 3.4/C-06-116]

- A.14 The NO_x emissions from the emergency engine of P-71-06(t) shall not exceed 36.7 lb/day, 306 lb/1st calendar quarter, 306 lb/2nd calendar quarter, 306 lb/3rd calendar quarter, 306 lb/4th calendar quarter, and 0.15 tons/year. [District Rules 2.16 and 3.4/C-06-116]
- A.15 The SO_x emissions from the emergency engine of P-71-06(t) shall not exceed 1.5 lb/day, 13 lb/1st calendar quarter, 13 lb/2nd calendar quarter, 13 lb/3rd calendar quarter, 13 lb/4th calendar quarter, and 0.01 tons/year. [District Rules 2.12, 2.16, and 3.4/C-06-116]
- A.16 The PM₁₀ emissions from the emergency engine of P-71-06(t) shall not exceed 1.2 lb/day, 10 lb/1st calendar quarter, 10 lb/2nd calendar quarter, 10 lb/3rd calendar quarter, 10 lb/4th calendar quarter, and negligible tons/year. [District Rules 2.11, 2.12, 2.16 and 3.4/C-06-116]
- A.17 The emission rates for the emergency engine of P-71-06(t) shall not exceed the following:
- a. NO_x - 6.9 g/BHP-hr. [40 CFR Part 60.4205(a)]

B. Work Practice and Operational Requirements

Requirements for P-15-05, MSW Landfill

- B.1 The amount of waste received into the landfill operating under P-15-05 shall not exceed 1,800 tons/day, 161,550 tons/1st calendar quarter, 161,550 tons/2nd calendar quarter, 161,550 tons/3rd calendar quarter, 161,550 tons/4th calendar quarter, and 646,200 tons/year. [District Rule 3.4/C-03-226]
- B.2 The Permit Holder shall operate the anaerobic bioreactor portion of the landfill with an average moisture content of less than 40% by weight. [District Rule 3.1, §402 and 40 CFR Part 63.1935/C-03-226]
- B.3 Upon actual non-methane organic compound (NMOC) emissions from the landfill exceeding 50 megagrams per year, as calculated in accordance with 40 CFR Part 60.754, the Permit Holder shall comply with the requirements of District Rule 2.38. [District Rule 2.38, §102.3 and 40 CFR Part 60.752(b)(1)(ii)(A)/C-03-226]
- B.4 The Permit Holder shall not discharge into the atmosphere any air contaminant, for a period or periods aggregating to more than three (3) minutes in any one (1) hour, which is:

- a. As dark or darker in shade than No. 2 on the Ringelmann Chart;
or
- b. Greater than 40% opacity. [District Rule 2.3/C-03-226]

Requirements for P-15-05(a), MSW Landfill

- B.5 The amount of waste received into the landfill operating under P-15-05(a) shall not exceed 1,800 tons/day, 160,200 tons/1st calendar quarter, 162,000 tons/2nd calendar quarter, 162,000 tons/3rd calendar quarter, 162,000 tons/4th calendar quarter, and 646,200 tons/year. [District Rule 3.4/C-07-164]
- B.6 Upon achieving a calculated NMOC emission rate of 50 megagrams or greater per year, the Permit Holder shall comply with the requirements of 40 CFR Part 60.752(b)(2). [District Rule 3.4 and 40 CFR Part 60.752(b)(1)(ii)(A)/C-07-164]
- B.7 The Permit Holder shall operate the anaerobic non-conventional WMUs with an average moisture content of less than 40% by weight. [District Rule 3.4 and 40 CFR Part 63.1935/C-07-164]
- B.8 Prior to beginning any landfill mining operations, the Permit Holder shall submit for approval a mining and sorting plan to the District. The Permit Holder shall only mine (e.g. excavation, reclaiming, etc.) and sort waste from the aerobic non-conventional WMU 6D-Phase 1. [District Rule 3.4/C-07-164]
- B.9 Prior to beginning any removal of composted organic waste, the Permit Holder shall submit for approval a composting plan to the District. The Permit Holder shall only remove composted waste from the anaerobic digester cells located in WMU 6D-Phase 2. [District Rule 3.4/C-07-164]
- B.10 The Permit Holder shall install and operate a biofilter that serves the anaerobic digester cell located on WMU 6D-Phase 2 during aerobic composting phase of the waste. [District Rule 3.4/C-07-164]
- B.11 Whenever buried solid waste is brought to the surface during the installation or preparation of wells, trenches, piping, or other equipment or when landfill solid waste is excavated or moved, the Permit Holder shall cover the excavated solid waste using fresh soil, plastic sheeting, or vapor retarding foam as necessary in order to prevent odorous emissions and to minimize the release of landfill gas. [District Rule 3.4/C-07-164]

- B.12 Prior to disposing of asbestos-containing materials in the landfill, the Permit Holder shall comply with the applicable requirements for active disposal sites set forth in 40 CFR Part 61 - Subpart M (National Emission Standard for Asbestos). [District Rule 3.4 and 40 CFR Part 61.140/C-07-164]
- B.13 The Permit Holder shall comply with the applicable requirements for the handling and the disposal of the affected appliances and equipment containing ozone depleting substances, as set forth in 40 CFR Part 82 - Subpart F (Recycling and Emission Reduction). [40 CFR Part 82.150/C-07-164]
- B.14 The Permit Holder shall not discharge into the atmosphere from any single source of emissions whatsoever, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
- a. As dark or darker in shade than No. 1 on the Ringelmann Chart; or
 - b. Greater than 20% opacity. [District Rules 2.3 and 3.4, §409/C-07-164]

Requirements for P-25-07, Emergency Engine

- B.15 The maximum amount of diesel fuel consumed by the emergency engine operating under P-25-07 shall not exceed 408 gallons/day, 3,400 gallons/1st calendar quarter, 3,400 gallons/2nd calendar quarter, 3,400 gallons/3rd calendar quarter, and 3,400 gallons/4th calendar quarter, and 3,400 gallons/year. [District Rule 3.4/C-06-169]

Requirements for P-71-06(t), Emergency Engine

- B.16 The maximum amount of diesel fuel consumed by the emergency engine operating under P-71-06(t) shall not exceed 194 gallons/day, 1,620 gallons/1st calendar quarter, 1,620 gallons/2nd calendar quarter, 1,620 gallons/3rd calendar quarter, and 1,620 gallons/4th calendar quarter, and 1,620 gallons/year. [District Rule 3.4/C-06-116]

Requirements for P-25-07 and P-71-06(t), Emergency Engines

- B.17 The Permit Holder shall only refuel the emergency engines of P-25-07 and P-71-06(t) with diesel fuel that meets the non-road diesel fuel requirements of 40 CFR Part 80.51(b). [40 CFR Part 60.4207]
- B.18 The Permit Holder shall install on each emergency engines of P-25-07 and P-71-06(t) a non-resettable hour meter. [40 CFR Part 60.4209]

- B.19 The Permit Holder shall operate and maintain each emergency engine of P-25-07 and P-71-06(t) in accordance with the manufacturer's written instructions, or with the procedures developed by the Permit Holder that have been approved by the engine manufacturer. [40 CFR Part 60.4206]
- B.20 The Permit Holder shall not operate either emergency engine of P-25-07 and P-71-06(t) more than fifty (50) hours per calendar year for maintenance and testing purposes, and such operation shall be scheduled in cooperation with the District so as to limit air quality impact. [District Rule 3.4, §110.1 and 40 CFR Part 60.4211(e)/C-06-116 and C-06-169]
- B.21 The Permit Holder shall not operate either emergency engine of P-25-07 and P-71-06(t) more than two-hundred (200) hours per calendar year. [District Rule 3.4, §110.2 and 40 CFR Part 60.4211(e)/C-06-116 and C-06-169]
- B.22 The Permit Holder shall not operate either emergency engine of P-25-07 and P-71-06(t) for the supplying of power to a serving utility for distribution on the grid. [District Rule 3.4, §110.3 /C-06-116 and C-06-169]
- B.23 The Permit Holder's operation of each emergency engine of P-25-07 and P-71-06(t) for reasons other than maintenance purposes shall be limited to actual interruptions of electrical power by the serving utility. [District Rule 3.4, §110.4 /C-06-116 and C-06-169]
- B.24 The Permit Holder shall not discharge into the atmosphere any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
- a. As dark or darker in shade than No. 1 on the Ringelmann Chart;
or
 - b. Greater than 20% opacity. [District Rules 2.3 and 3.4, §409/C-06-116 and C-06-169]

Requirements for P-31-10, Receiving, Dewatering, and Aeration of Non-Hazardous Liquid Waste with Odor Potential (NHLWOP)

- B.25 The quantity of non-hazardous liquid waste with odor potential processed under P-31-10 shall not exceed 210 tons/day, 8,400 tons/1st calendar quarter, 8,400 tons/2nd calendar quarter, 8,400 tons/3rd calendar quarter, 8,400 tons/4th calendar quarter, and 33,600 tons/year. [District Rule 3.4/C-09-42]

- B.26 The facility shall maintain, and operate under the provision of, an odor control plan for prevention of nuisance odors. The plan shall be updated as necessary, or as required by the District, and any changes to the plan shall be approved by the District prior to implementation. [District Rule 3.4/C-09-42]
- B.27 The number and types of equipment associated with this process shall match the equipment listed in the Equipment Inventory section of P-31-10. The Permit Holder shall maintain a complete list of all equipment at the plant, which includes a description and horsepower of each piece of equipment. This list shall be kept with the permit to operate and shall be made available to the District upon request. [District Rule 3.4/C-09-42]

C. Monitoring and Testing Requirements

Process Limits for P-15-05, MSW Landfill

- C.1 The District must be notified prior to any sampling event and a protocol must be submitted for approval fourteen (14) days prior to sampling. The results of a sampling event shall be submitted to the District within sixty (60) days of the sample date. The protocol and report shall be mailed to the attention of the Supervising Air Quality Engineer. [District Rule 3.1, §402/C-03-226]

Process Limits for P-15-05(a), MSW Landfill

- C.2 The Permit Holder shall perform surface emission testing using a portable hydrocarbon detection test instrument to measure the surface emission concentrations of the landfill and gas collection system. The instrument shall be calibrated before and after each test using zero air and an approximately 500 ppmv methane based standard calibration gas in accordance with the manufacturer's recommendations. The instrument serial number and instrument calibration data shall be recorded for each calibration and maintained as a permanent record. [District Rule 3.4/C-07-164]
- C.3 The Permit Holder or operator shall perform the surface emission monitoring using the following procedure:
 - a. The detector is to be held within three (3) inches of the surface while walking a pattern of parallel paths not more than ninety (90) feet apart over:
 - i. the entire surface area of the landfill site which contains buried refuse;
 - ii. the gas transfer path of the gas collection system;

- iii. cracks, holes and other breaches in the solid waste disposal site cover;
 - iv. active and inactive mining areas; and
 - v. the Waste Management Unit (WMU) perimeters (i.e. accessible areas where buried waste interfaces with undisturbed native soil).
- b. The operator shall monitor the instrument readings at least once every thirty (30) seconds, at normal walking speed (approximately two (2) miles per hour), record only the readings that exceed 500 ppmv, and geographically locate the specific area on the landfill surface where the exceedances occur.
- c. Sampling is not required on steep slopes or other areas posing an unavoidable hazard to testing personnel.
- d. Average wind speed shall be determined on a ten-minute average using an on-site anemometer.
- e. Testing shall be terminated when the average wind speed exceeds five (5) miles per hour, or the instantaneous wind speed exceeds ten (10) miles per hour.
- f. Testing shall be conducted when there has been no rain for seventy-two (72) hours prior to the testing event and no rain is falling. [District Rule 3.4/C-07-164]
- C.4 The Permit Holder shall perform surface emission testing at the landfill at least once every six (6) consecutive calendar months. The Permit Holder may reduce the testing frequency to a twelve (12) consecutive calendar month period, after the completion of two (2) successive semi-annual tests without an exceedance of the 500 ppmv standard, other than non-repeatable momentary readings. Subsequent exceedances of the 500 ppmv emission concentration shall result in the re-establishment of the six (6) month testing frequency. A non-resettable momentary reading shall be defined as a portable hydrocarbon detection test instrument reading which persist for less than five (5) seconds and does not recur when the sampling probe is placed in the same location. [District Rule 3.4/C-07-164]
- C.5 The Permit Holder shall at start-up, and at least once every fourteen (14) days thereafter, monitor the landfill gas emissions from any open faces, active mining surfaces, and/or any liquids present during the mining of a waste cell in order to determine that the total organic compound surface emission concentration limit of 500 ppmv (measured as methane) is not exceeded. [District Rule 3.4/C-07-164]
- C.6 The District must be notified prior to any NMOC related sampling event and a protocol must be submitted for approval fourteen (14) days prior to sampling. The results of a sampling event shall be submitted to the

District within sixty (60) days of the sample date. The protocol and report shall be mailed to the attention of the Supervising Air Quality Engineer. [District Rule 3.4/C-07-164]

D. Recordkeeping Requirements

Requirements for P-15-05, MSW Landfill

- D.1 The Permit Holder shall submit a NMOC report to the District using the procedures specified in 40 CFR Part 60.754(a)(1) at least once every twelve (12) months except as provided in 40 CFR Part 60.757(b)(1)(ii) or 40 CFR Part 60.757(b)(3). [District Rule 2.38, §102.2, District Rule 3.1, §402, 40 CFR Part 60.752(b)(1)(i) & (ii), and 40 CFR Part 60.757(b)(3)/C-03-226]
- D.2 The Permit Holder shall submit a moisture report to the District for the anaerobic bioreactor portion of the landfill documenting the average moisture content by weight using the procedures specified in 40 CFR §63.1980(g) and (h) or other District approved methods. [District Rule 3.1, §402 and 40 CFR §63.1947/C-03-226]
- D.3 The Permit Holder shall submit the moisture report to the District for the anaerobic portion of the landfill, in accordance with 40 CFR Part 63.1980, at least once every six (6) months until such time that liquid addition has permanently ceased. [District Rule 3.1, §402/C-03-226]
- D.4 The Permit Holder shall maintain daily records (in tons) of the total amount of MSW accepted at the landfill. [District Rule 3.1, §402/C-03-226]
- D.5 The Permit Holder shall maintain daily records (in tons) of the amount of MSW placed in the anaerobic bioreactor portion of the landfill until such time that placement has permanently ceased. [District Rule 3.1, §402/C-03-226]

Requirements for P-15-05(a), MSW Landfill

- D.6 The Permit Holder shall submit a NMOC (Tier 2) report to the District using the procedures specified in 40 CFR Part 60.754(a) at least once every twelve (12) months, except as provided in 40 CFR Part 60.757(b)(1)(ii) or 40 CFR Part 60.757(b)(3). [District Rule 3.4, 40 CFR Part 60.752(b)(1), and 40 CFR Part 60.757(b)(3)/C-07-164]
- D.7 The Permit Holder shall submit a moisture report to the District for the anaerobic non-conventional WMUs documenting the average moisture

content by weight using the procedures specified in 40 CFR Part 63.1980(g) and (h) or other District approved methods. [District Rule 3.4 and 40 CFR Part 63.1947/C-07-164]

- D.8 The Permit Holder shall submit the moisture report to the District for the anaerobic non-conventional WMUs in accordance with 40 CFR 63.1980, at least once every six (6) months until such time that liquid addition has permanently ceased. [District Rule 3.4/C-07-164]
- D.9 The Permit Holder shall maintain records of all surface emissions tests that include the time, weather conditions, areas sampled, areas not sampled due to steep slopes or other safety hazards, portable hydrocarbon detection test instrument calibration records, and emission test results. [District Rule 3.4/C-07-164]
- D.10 The Permit Holder shall maintain daily records (in tons) of the total amount of MSW accepted at the landfill. [District Rule 3.4 and 40 CFR Part 60.758(a)/C-07-164]
- D.11 The Permit Holder shall maintain daily records (in tons) of the amount of MSW placed in the anaerobic non-conventional WMUs until such time that placement has permanently ceased. [District Rule 3.4/C-07-164]
- D.12 The Permit Holder shall maintain all records on site for a period of five (5) years from the date of entry and shall be made readily available to District personnel upon request. [District Rule 3.4, District Rule 3.8, §302.6(b), and 40 CFR Part 60.758(a)/C-07-164]

Requirements for P-25-07 and P-71-06(t), Emergency Engines

- D.13 The Permit Holder shall maintain a log of the operation hours for each emergency IC engine of P-25-07 and P-71-06(t) identifying the type of usage (either maintenance or emergency), the duration and date of each usage. The log shall be retained for a period of five (5) years and be made available to District personnel upon request. [District Rules 2.32, §503.1, District Rule 3.4, §501, and District Rule 3.8, §302.6(b)/C-06-116 and C-06-169]

Requirements for P-31-10, Receiving, Dewatering, and Aeration of Non-Hazardous Liquid Waste with Odor Potential (NHLWOP)

- D.14 The Permit Holder shall maintain daily records (in tons) of the amount of non-hazardous liquid waste with odor potential received. [District Rule 3.4/C-09-42]

Requirements for P-15-05 and P-31-10

- D.15 The Permit Holder shall maintain all records on site for a period of five (5) years from the date of entry and shall be made readily available to District personnel upon request. [District Rule 3.4 and District Rule 3.8, §302.6(b)/C-03-226, C-09-42]

III. FACILITY WIDE REQUIREMENTS

A. Opacity

- A.1 The Permit Holder 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 (3) minutes in any one (1) hour which is:
- a. As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart as published by the United States Bureau of Mines; or
 - b. Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in Subsection (a) of this condition. [District Rule 2.3]

B. Nuisance

- B.1 The Permit Holder shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health, or safety of any such persons or the public or which cause to have a natural tendency to cause injury or damage to business or property. [This permit condition is federally enforceable because it derives from District Rule 2.5 - Nuisance that is currently part of the California State Implementation Plan (SIP). The District is taking steps to remove Rule 2.5 from the SIP. Once the U.S. EPA has taken final action to remove District Rule 2.5 from the SIP, this permit condition will become state-enforceable only]

C. Circumvention

- C.1 The Permit Holder shall not build, erect, install or use any article, machine, equipment, or other contrivance, 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 Division 26, Part 3 and Part 4 of the Health and

Safety Code of the State of California or District Rules or Regulations.
[District Rule 2.17]

D. General Permit Requirements

- D.1 No person shall build, erect, alter, or replace any facility, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants, without first obtaining an authorization to construct from the Air Pollution Control Officer (APCO) as specified in Section 401 of District Rule 3.1. [District Rule 3.1, §301.1]
- D.2 No person shall operate any facility, article, machine, equipment, or other contrivance, for which an authorization to construct is required by District Rules and Regulations without first obtaining a written permit from the APCO. [District Rule 3.1, §302.1]
- D.3 No person shall operate any facility, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants, without obtaining a permit from the APCO or the Hearing Board. [District Rule 3.1, §302.2]
- D.4 The Permits to Operate shall not be transferable, by operation of law or otherwise, from one location to another or from one piece of equipment to another. It shall be the transferee's responsibility to inform the District on assumption of ownership or operating control of any item under a Permit to Operate from the District and for which a Permit to Operate will be required. For any such transfer as hereinabove described, said transferee shall submit an application for authorization in accordance with applicable District Rules. [District Rule 3.1, §304]
- D.5 All Permits to Operate shall be renewable annually on the individual permit's anniversary date, commencing one year after the date of issuance. The Permit Holder shall pay a fee for the annual permit renewal. If the annual renewal fee is not paid by the specified due date, the District shall assess a penalty of not more than 50% of the fee due. Non-payment of renewal fees is grounds for permit cancellation. [District Rule 3.1, §305 and District Rule 4.1, §303 & 401]
- D.6 Commencing work or operation under any Permits to Operates shall be deemed acceptance of all of the conditions so specified. [District Rule 3.1, §402]

- D.7 The Permit Holder shall submit an annual throughput/production report at the end of each calendar year for each Permit to Operate. These reports are due no later than March 31 for the previous year. This report must include actual operating hours and actual amounts of materials processed (for materials that have process limits listed on the Permit to Operate). Each type of material and each type of process must be listed separately. [District Rule 3.1, §405.1]
- D.8 The owner or operator of any facility, article, machine, equipment, or other contrivance for which a Permit to Operate is in effect shall notify the District office whenever a breakdown, malfunction, or operational upset condition exists which would tend to increase emissions of air pollutants or whenever any operating condition contrary to any provision of the Permit to Operate exists. Such notice shall be given to the District no later than four (4) hours after occurrence during regular workday hours or no later than two (2) hours of the District workday following an occurrence not during regular District workday hours. The notice shall provide the District information as to causes and corrective action being taken, with a schedule for return to required operating conditions. [District Rule 3.1, §405.3]
- D.9 The Permit Holder shall firmly affix all Permits to Operate, an approved facsimile, or other approved identification bearing the permit number upon the facility, article, machine, equipment, or other contrivance in such a manner as to be clearly visible and accessible. In the event that the facility, article, machine, equipment, or other contrivance is so constructed or operated that the Permit to Operate cannot be so placed, the acid rain unit shall be mounted so as to be clearly visible in an accessible place within twenty (25) feet of the facility, article, machine, equipment, or other contrivance, or maintained readily available at all times on the operating premises. [District Rule 3.1, §408]
- D.10 Modifications to this permit, as defined by District Rules and Regulations, requires prior District approval. A modification is defined as any physical change, change in method of operation, addition to or any change in hours of operation, or change in production rate, which: would necessitate a change in permit conditions; or is not specifically limited by a permit condition; or results in an increase in emissions not subject to an emissions limitation. [District Rule 3.4, §223]

IV. TITLE V GENERAL REQUIREMENTS

A. Right of Entry

- A.1 The permit shall require that the source allow the entry of the District, the CARB, or the U.S. EPA officials for the purpose of inspection and sampling, including:
- a. Inspection of the stationary source, including equipment, work practices, operations, and emissions-related activity;
 - b. Inspection and duplication of records required by the Permit to Operate; and
 - c. Source sampling or other monitoring activities. [District Rule 3.8, §302.10]

B. Compliance with Permit Conditions

- B.1 The Permit Holder shall comply with all Title V permit conditions. [District Rule 3.8, §302.11(a)]
- B.2 The permit does not convey property rights or exclusive privilege of any sort. [District Rule 3.8, §302.11(b)]
- B.3 Non-compliance with any permit condition is grounds for permit termination, revocation and reissuance, modification, enforcement action, or denial of permit renewal. [District Rule 3.8, §302.11(c)]
- B.4 The Permit Holder shall not use the "need to halt or reduce a permitted activity in order to maintain compliance" as a defense for non-compliance with any permit condition. [District Rule 3.8, §302.11(d)]
- B.5 A pending permit action or notification of anticipated non-compliance does not stay any permit condition. [District Rule 3.8, §302.11e]
- B.6 Within a reasonable time period, the Permit Holder shall furnish any information requested by the APCO, in writing, for the purpose of determining:
- a. Compliance with the permit; or
 - b. Whether or not cause exists for a permit or enforcement action. [District Rule 3.8, §302.11(f)]

C. Emergency Provisions

- C.1 Within two (2) weeks of an emergency event, the owner or operator shall submit to the District a properly signed contemporaneous log or other relevant evidence demonstrating that:

- a. An emergency occurred;
- b. The Permit Holder can identify the cause(s) of the emergency;
- c. The facility was being properly operated at the time of the emergency;
- d. All steps were taken to minimize the emissions resulting from the emergency; and
- e. Within two (2) working days of the emergency event, the Permit Holder provided the District with a description of the emergency and any mitigating or corrective actions taken; and

In any enforcement proceeding, the Permit Holder has the burden of proof for establishing that an emergency occurred. [District Rule 3.8, §302.12]

D. Severability

- D.1 If any provision, clause, sentence, paragraph, section or part of these conditions for any reason is judged to be unconstitutional or invalid, such judgement shall not affect or invalidate the remainder of these conditions. [District Rule 3.8, §302.13]

E. Compliance Certification

- E.1 The Responsible Official shall submit a compliance certification to the U.S. EPA and the APCO every twelve (12) months unless required more frequently by an applicable requirement. The twelve (12) month period will begin on the date that the Title V permit was originally issued, and will be due within thirty (30) days after the end of the reporting period, unless otherwise approved in writing by the District. All compliance reports and other documents required to be submitted to the District by the responsible official shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [District Rule 3.8, §302.14(a)]
- E.2 The compliance certification shall identify the basis for each permit term or condition (e.g., specify the emissions limitation, standard, or work practice) and a means of monitoring compliance with the term or condition consistent with Sections 302.5, 302.6, and 302.7 of Rule 3.8. [District Rule 3.8, §302.14(b)]
- E.3 The compliance certification shall include a statement of the compliance status, whether compliance was continuous or intermittent, and method(s) used to determine compliance for the current time period and over the entire reporting period. [District Rule 3.8, §302.14(c)]

E.4 The compliance certification shall include any additional inspection, monitoring, or entry requirement that may be promulgated pursuant to Sections 114(a) and 504(b) of the Federal Clean Air Act. [District Rule 3.8, §302.14(d)]

F. Permit Life

F.1 The Title V permit shall expire five (5) years from the date of issuance. Title V permit expiration terminates the stationary source's right to operate unless a timely and complete Title V permit application for renewal has been submitted. [District Rule 3.8, §302.15]

G. Payment of Fees

G.1 An owner or operator shall pay the appropriate Title V permit fees on schedule. If fees are not paid on schedule, the permit is forfeited. Operation without a permit subjects the source to potential enforcement action by the District and the U.S. EPA pursuant to Section 502(a) of the CAA. [District Rule 3.8, §302.16]

H. Permit Revision Exemption

H.1 No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit. [District Rule 3.8, §302.22]

I. Application Requirements

I.1 An owner or operator shall submit a standard District application for renewal of the Title V permit, no earlier than eighteen (18) months and no later than six (6) months before the expiration date of the current Permit to Operate. [District Rule 3.8, §402.2]

I.2 An owner or operator shall submit a standard District application for each emissions unit affected by a proposed permit revision that qualifies as a significant Title V permit modification. The application shall be submitted after obtaining any required preconstruction permits. Upon request by the APCO, the owner or operator shall submit copies of the latest preconstruction permit for each affected emissions unit. The emissions unit(s) shall not commence operation until the APCO approves the permit revision. [District Rule 3.8, §402.3]

I.3 An owner or operator shall submit a standard District application for each emissions unit affected by the proposed permit revision that

qualifies as a minor permit modification. The application shall be submitted after obtaining any required preconstruction permits. The emissions unit(s) shall not commence operation until the APCO approves the permit revision. In the application, the owner or operator shall include the following:

- a. A description of the proposed permit revision, any change in emissions, and additional applicable federal requirements that will apply;
- b. Proposed permit terms and conditions; and
- c. A certification by a responsible official that the permit revision meets criteria for use of minor permit modification procedures and a request that such procedures be used. [District Rule 3.8, §402.4]

J. Permit Reopening for Cause

J.1 Circumstances that are cause for reopening and revision of a permit include, but are not limited to, the following:

- a. The need to correct a material mistake or inaccurate statement;
- b. The need to revise or revoke a permit to operate to assure compliance with applicable federal requirements;
- c. The need to incorporate any new, revised, or additional applicable federal requirements, if the remaining authorized life of the permit is three (3) years or greater, no later than eighteen (18) months after the promulgation of such requirement (where less than three (3) years remain in the authorized life of the permit, the APCO shall incorporate the requirements into the Permit to Operate upon renewal); or
- d. Additional requirements promulgated pursuant to Title IV as they become applicable to any acid rain unit governed by the permit. [District Rule 3.8, §413.1]

K. Recordkeeping

K.1 The Permit Holder shall record maintenance of all monitoring and support information required by any applicable federal requirement, including:

- a. Date, place, and time of sampling;
- b. Operating conditions at the time of sampling;
- c. Date, place, and method of analysis; and
- d. Results of the analysis. [District Rule 3.8, §302.6(a)]

L. Reporting Requirements

- L.1 Any deviation from permit requirements, including that attributable to upset conditions (as defined in the permit), shall be promptly reported to the APCO. For the purpose of this condition prompt means as soon as reasonably possible, but no later than ten (10) days after detection. [District Rule 3.8, §302.7(a)]
- L.2 A semi-annual monitoring report shall be submitted at least every six (6) consecutive months and shall identify any deviation from permit requirements, including that previously reported to the APCO pursuant to Section 302.7(a) of Rule 3.8. The six (6) month period will begin on the date that the Title V permit was originally issued, and will be due within thirty (30) days after the end of the reporting period, unless otherwise approved in writing by the District. [District Rule 3.8, §302.7(b)]
- L.3 All reports of deviation from permit requirements shall include the probable cause of the deviation and any preventive or corrective action taken. [District Rule 3.8, §302.7(c)]
- L.4 Each monitoring report shall be accompanied by a written statement from the responsible official that certifies the truth, accuracy, and completeness of the report. [District Rule 3.8, §302.7(e)]