

Permit No. V-2625
Issued: September 13, 2011
Expires: September 13, 2016

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT
TITLE V OPERATING PERMIT

Issued in Accordance with the Provisions of 40 CFR Part 70
and Rule 900 of the Imperial County Air Pollution Control District

Company Name: Imperial Landfill, Inc.
Facility Name: Imperial Landfill
SIC Code: 4953 (Class III Solid Waste)
Source Type: Municipal Solid Waste Landfill
Mailing Address: 3354 Dogwood Rd.
Imperial, CA 92251
Facility Location: 104 East Robinson Rd.
Imperial, CA 92251
Responsible Official: Steve Meyer,
(623) 241-8420
Plant Site Contact: Richard Bringle,
(760) 353-1100

Issued by:



Brad Poiriez
Air Pollution Control Officer

9/13/11
Date

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Equipment/Source List

I. Allied MSW Landfill, 31 Acres, 1 million tons Capacity (Closed/Inactive)

Description:

Landfill No. 1, constructed prior to May 30, 1991. Placed on a closed and inactive status since 2003.

Type:

Class III Disposal Site, Solid Waste Disposal Landfill. The waste in place is clean fill, household solid waste, green waste, wood waste, and construction wastes.

MSW Capacity:

Approximately 1,670,000 tons waste in place, closed and capped.

Landfill Gas Control Equipment:

A. Landfill Gas Extraction system

Currently 23 vertical landfill gas extraction wells and landfill gas distribution lines. Extraction wells may be added or subtracted in the future to maintain compliance.

B. Landfill Gas Flare Destruction Station

John Zink, 600 scfm gas flow capacity @ 16.4 MMBtu/hr.

II. Allied MSW Landfill, 42 Acres, 2.56 million tons Capacity (Active)

Description:

Landfill No. 2, 42 Acres in size after last expansion, and on an active status. This landfill was constructed after May 30, 1991.

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Type:

Class III Disposal Site, Solid Waste Disposal Landfill. The waste in place is non-hazardous municipal solid waste, such as clean fill, household solid waste, green waste, wood waste, and construction wastes.

MSW Capacity:

2.56 million tons design capacity, with approximately 2.2 million tons of waste in place as of May 1, 2011.

Landfill Gas Control Equipment:

Currently three gas extraction wells are in place. Extraction wells may be added or subtracted to maintain compliance.

III. Landfill Gas Enclosed Flare Station

Description:

Landfill Gas Flare Abatement System, consisting of an enclosed ground flare.

Type:

The flare has a 600 SCFM blower fan, including a Condensate Organic Vapor Granulated Carbon Control Unit. System includes gas flow, pressure, and temperature gauges and recorders.

Capacity:

John Zink Company Flare, with a 16.4 MMBtu/hr capacity. The unit has an exhaust stack that is 5 ft. in diameter and 40 feet tall, with 5 burners.

IV. Trommel Screen

Description:

Self contained screening plant, including attached screened product conveyor and

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over-stacking conveyor which folds down hydraulically.

Type:

Wildcat Model 516 Trommel Screen.

Capacity:

Process rate of 100 cubic yards per hour. Driven by a John Deere Model 4024HF295 diesel engine, rated 66hp at 2,800 rpm. The engine has a Tier 4 Interim rating.

V. *Trash Pump*

Description:

Wacker Model PT 6LS trash pump.

Type:

Trash Pump, powered by a Lombardini Model 11LD 625-3 diesel engine.

Capacity:

Rating of 32.5 hp at 2,500 rpm. The engine has a Tier 2 rating.

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Title V Operating Permit Conditions

I. General Permit Conditions

1. The permittee shall obtain an Authority to Construct permit prior to the modification or replacement of any equipment for which a Permit to Operate has been granted and prior to the installation and operation of any equipment for which an Authority to Construct is required. **ICAPCD Rule 201, Permits Required, revised 09/14/99.**
2. No air contaminant shall be released into the atmosphere in such quantities to cause a public nuisance. **ICAPCD Rule 407, Nuisances, revised 09/14/99; ICAPCD Rule 207, New Source Review, adopted prior to 03/17/80 {District Only}.**
3. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82. **40 CFR Part 82, Protection of Stratospheric Ozone.**
4. The permittee shall comply with the Standards of Performance for Municipal Solid Waste Landfills. **40 CFR Part 60, Subparts WWW.**
5. The permittee shall submit to the ICAPCD a standard District application no earlier than 18 months and no later than 6 months before the expiration date of the current Title V Operating Permit. Permits to Operate for all emissions units at a stationary source shall undergo simultaneous renewal. **ICAPCD Rule 900.D.3.b, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, adopted 6/26/01.**
6. The Permittee shall maintain a California Air Resources Board (CARB) certified opacity observer by September 13, 2011. The CARB-certified opacity observer shall conduct visible emission evaluations Quarterly stationary point sources and as required under fugitive dust control program under the monitoring section of this Permit. Visible emissions evaluations shall be recorded and maintained on site. **ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 6/26/01; ICAPCD Rule 207, New Source Review, adopted prior to 03/17/80.**

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II. Compliance with Permit Conditions

1. The permittee shall comply with all permit conditions;
2. This permit does not convey property rights or exclusive privilege of any sort;
3. Noncompliance with any permit conditions is grounds for permit termination, revocation and reissuance, modification, enforcement action, or denial of permit renewal;
4. The permittee shall not use the "need to hold or reduce a permitted activity in order to maintain compliance" as a defense for noncompliance with any permit conditions;
5. A pending permit action or notification of anticipated noncompliance does not stay any permit conditions;
6. Within a reasonable time period, the permittee shall furnish any information requested by the Air Pollution Control Officer (APCO) of ICAPCD, in writing, for the purpose of determining: 1) compliance with the permit, 2) whether or not cause exists to modify, revoke and reissue, or terminate a permit or for an enforcement action. **ICAPCD Rule 900.F.2.k, Procedures for Issuing Permit to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 6/26/01; ICAPCD Rule 207, New Source Review, adopted prior to 03/17/80; PTO 2625B-2, I.**

III. Emission Limits

A. Gas Controls System

1. The enclosed combustor stack gas emissions shall not exceed the following:

NO_x = < .065 lbs/MMBTU

CO = < .20 lbs/MMBTU

NMOC = < 20 PPM_v Measured as hexane @ 3% O₂ or;

NMOC = > 98% control destruction efficiency

PTO 2625B-2 Condition VI.3 and VI.4; 40 CFR §60.752(b)(2)(iii)(B).

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2. The permittee shall not release or discharge into the atmosphere from any single source of emission, any air contaminant, other than uncombined water vapor, as dark or darker as designated as No. 1 on the Ringlemann Chart (20% opacity) for a period or periods aggregating more than three (3) minutes in any hour. **ICAPCD Rule 401.A.1, Opacity of Emissions, adopted 11/19/85; ICAPCD Rule 207, New Source Review, adopted after 03/17/80.**
 3. The Permittee shall not discharge into the atmosphere from any single emission unit combustion contaminants exceeding in concentrations at the point of discharge 0.2 grains per dry cubic foot of gas, calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over 25 consecutive minutes. **ICAPCD Rule 403.3 and 403.5, General Limitations on the Discharge of Air Contaminants, revised 7/24/01.**
 4. No Person shall discharge into the atmosphere from any single source of emissions, sulfur compounds, calculated as sulfur dioxide (SO₂) in excess of 0.2 percent by volume, measured at the point of discharge. **ICAPCD Rule 405, Sulfur Compounds Emission Standards, Limitations and Prohibitions, revised 05/18/04.**
- B. Trommel Screen Diesel Engine
1. The diesel engine of the Trommel Screen shall not discharge into the atmosphere any visible air contaminant other than uncombined water vapor, for a period or periods aggregating more than three minutes in any one hour, which is 20% opacity or greater. **ICAPCD Rule 401.A.1, Opacity of Emissions, adopted 11/19/85.**
 2. The permittee shall not burn any liquid fuel having a sulfur content in excess of 0.5 percent by weight. **ICAPCD Rule 405, Sulfur Compounds Emission Standards, Limitations and Prohibitions, revised 05/18/04.**
- C. Trommel Screen
1. The Trommel Screen shall not discharge into the atmosphere any visible air contaminant other than uncombined water vapor, for a period or periods aggregating more than three minutes in any one hour, which is 20% opacity or greater. **ICAPCD Rule 401.A.1, Opacity of Emissions, adopted 11/19/85.**

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D. Trash Pump

1. The diesel engine of the air compressor shall not discharge into the atmosphere any visible air contaminant other than uncombined water vapor, for a period or periods aggregating more than three minutes in any one hour, which is 20% opacity or greater. **ICAPCD Rule 401.A.1, Opacity of Emissions, adopted 11/19/85.**
2. The Permittee shall not burn any liquid fuel having a sulfur content in excess of 0.5 percent by weight. **ICAPCD Rule 405, Sulfur Compounds Emission Standards, Limitations and Prohibitions, revised 05/18/04.**

E. Diesel Engine Particulate Matter (PM) Emissions

1. Non-standby diesel engines equal to or greater than 50 hp permitted prior to January 1, 2005 shall not exceed a PM concentrations of 0.01 grams/bhp-hr, or may elect to reduce PM by 85 and meet the diesel PM limit of .01 grams/bhp-hr limit by the year 2011. **Sec. 93115, Title17, California Code of Regulations.**
2. Internal Combustion engines which utilize gasoline, natural gas, or LPG fuel are exempt from the PM standard in Condition E.1. **Sec. 93115, Title17, California Code of Regulations.**

IV. Operational Standards For Collection And Control System

Landfill gas emission rates shall be determined in accordance with the applicable EPA's Tier 3 equation(s) for landfills listed within 40 CFR §60.754(a)(1) or an alternative APCO approved method. If the NMOC emission rate is equal to or greater than 17 Mg/yr, from a landfill(s), then the permittee shall install, maintain and operate a landfill gas collection and control system according to the following standards of Section IV.B, Section V. and the following sections of PTO 2625B-2: Section V.1, Section VII., Section VII.3, and Section VII.4. **PTO 2625B-2 Condition VII.3; 40 CFR §60.754(a)(4) 40 CFR § Part 60, Subparts WWW.**

A. Installation Standards

The Permittee Shall:

1. Submit a collection and control system design plan prepared by a Professional

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Engineer within 1 year of determining the NMOC emissions rate is equal to or greater than 17 Mg/yr. **PTO 2625B-2 Condition VII.3**

a. The collection and control system as described in the plan shall meet the design requirements of Section IV.B.1. **[40CFR §60.752(b)(2)(i)(A)]**.

B. Active Gas Collection System

1. The active collection system shall;

a. Be designed to handle the maximum expected flow rate from the area of the landfill(s) that warrants control over the intended use period of the gas control or treatment system. The equipment shall be of sufficient design that meets the requirements of Section V. **[40CFR §60.752(b)(2)(ii)(A)(1)]**.

b. Collect gas from each area, cells, group of cells in the landfill in which the initial solid waste has been in place for a period of: **[40CFR §60.752(b)(2)(ii)(A)(2)]**.

1. 5 year or more if active; or

2. 2 years or more if closed or at final grade;

3. Collect gas at a sufficient extraction rate; and

4. Be designed to minimize off-site migration of subsurface gas.

2. The Permittee shall operate the gas collection system with a negative pressure at each well head except under the following conditions: [40CFR § 60.753(b)]

a. When a fire or increased well temperature occurs. The permittee shall record instances when positive pressure occurs in efforts to avoid fire. These records shall be submitted with the annual report as provided in **Section VII.A and VII.B**.

b. When a geomembrane or synthetic cover is used; The Permittee shall develop acceptable pressure limits in the design plan, or

c. When the permittee has a decommissioned well. The well may experience

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a static positive pressure after shut down to accommodate for declining flow. All design changes shall be approved by the APCO.

3. Operate each interior wellhead in the collection system with a landfill gas temperature less than 55 degrees Celsius (131 degrees Fahrenheit) and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The Permittee may establish a higher operating temperature, nitrogen, or oxygen value at the 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.
40CFR § 60.753(c).
4. The nitrogen level shall be determined using EPA Method 3C, unless an alternative method is established as allowed by §60.752(b)(2)(i).
40CFR § 60.753(c)(1).
5. The oxygen shall be determined by an oxygen meter using EPA Method 3A, unless an alternative method is established as allowed by §60.752(b)(2)(i), except that **[40CFR § 60.753(c)(2)]**:
 - a. The span shall be set so that the regulatory limit is between 20 and 50 percent of the span;
 - b. A data recorder is not required;
 - c. Only two calibration gases are required, a zero and span, and ambient air may be used as the span;
 - d. A calibration error check is not required;
 - e. The allowable sample bias, zero drift, and calibration drift are ± 10 Percent.
6. Operate the collection system so that the methane concentration is less than 500 ppm and above background concentrations at the surface of the landfill. To determine if this level is exceeded, the Permittee shall conduct surface testing around the perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals and where visual observation indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The permittee may establish an alternative traversing pattern that

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ensures equivalent coverage. A surface monitoring design plan shall be developed and submitted to the APCO that includes a topographical map with the monitoring route and the rationale for any site specific deviation from the 30 meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing. **PTO 2625B-2 Condition XII.1; 40 CFR § 60.753(d).**

7. Operate the system such that all collected gases are vented to a control system designed and operated in compliance with Section IV.C.1 and §60.752(b)(2)(iii). In the event the collection and control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour. **[40 CFR § 60.753(e)]**

C. Control System

1. The Control System shall be designed and operated to reduce NMOC by 98 percent weight, or, when an enclosed combustion device is used for control, to either reduce NMOC by 98 percent weight or reduce the outlet NMOC concentration to less than 20 ppmv, dry basis as hexane at 3 percent oxygen. The reduction efficiency or ppmv shall be established by an initial performance test required under 40 CFR §60.8. EPA Method 25C, 25, 25A or Method 18, specified in appendix A of the 40 CFR §60 or alternative method approved by the APCO shall be used. If using EPA Method 18 of appendix A in the 40 CFR §60, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The following equation shall be used to calculate efficiency:

$$\text{Control Efficiency} = ((\text{NMOC}_{\text{in}} - \text{NMOC}_{\text{out}}) / \text{NMOC}_{\text{in}}) * 100\%$$

where,

NMOC_{in} = mass of NMOC entering control device

NMOC_{out} = mass of NMOC exiting control device

PTO 2625B-2 Condition VI.2; 40 CFR §60.752(b)(2)(iii)(B); 40 CFR §60.754(d).

2. The Permittee shall operate the installed collection and control device to comply with Sections IV.B, V, and VI. **40 CFR §60.752(b)(2)(iv).**
3. The Permittee shall operate the control system at all times when the collected gas is routed to the control system **[40 CFR § 60.753(f)]**

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D. Removal Standards

The collection and control device may be capped or removed provided that all the following conditions are met: **[40 CFR §60.752(b)(2)(v)]**

1. The landfill shall be no longer accepting solid waste and be permanently closed under the requirements of 40 CFR §258.60. A closure report shall be submitted to the APCO as provided in **Section X.C.**
2. The collection and control system shall have been in operation a minimum of 15 years. **[40 CFR §60.752(b)(2)(v)(B)]**
3. After the installation of a collection and control system, the Permittee shall calculate the NMOC emissions rate, using the following equation, for the purposes of determining when the system can be removed:

$$MNMOC = 1.89 \times 10^{-3} (QLFG)(CNMOC)$$

where,

MNMOC = mass emission rate of NMOC, Mg/yr

QLFG = flow rate of landfill gas, cubic meters per minute

CNMOC = NMOC concentration, ppmv as hexane

The calculated NMOC mass emission rate produced by the landfill(s) shall be less than 17 Mg/yr on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.

PTO 2625B-2 Condition VII.3.

V. Specification for Active Collection System

1. The Permittee shall site operate active collection wells, horizontal collectors, or other extraction devices at the sufficient density throughout all gas producing areas using the following procedures, unless alternative procedures have been approved by the Administrator as provided in §60.752(b)(2)(i)(C) and (D): **[40 CFR § 60.759(a)]**
 - a. The collection devices within the interior and along the perimeter areas shall be certified by a professional engineer to achieve comprehensive control of surface gas emissions. The following issues shall be addressed

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in the design: depth of refuse, refuse gas generation rate and flow characteristics, cover properties, gas system expendability, leachate and condensate management, accessibility, compatibility with filling operations, integration with closure end use, air intrusion control, corrosion resistance, fill settlement, and resistance to the refuse decomposition heat. **[40 CFR § 60.759(a)(1)]**

- b. The sufficient density of gas collection devices determined in the previous paragraph shall address landfill gas migration issues and augmentation of the collection system through the use of active or passive systems at the landfill perimeter or exterior. **[40 CFR § 60.759(a)(2)]**
2. The placement of the gas collection devices determined in Section V.1.a above shall control gas producing areas, except for: **[40CFR § 60.759(a)(3)]**

- a. Any nonproductive area of the landfill may be excluded from control, provided that the total of all excluded areas can be shown to contribute less than one percent of the total amount of NMOC emissions from the landfill. The amount, location, and age of the material shall be documented and provided to the APCO upon request. A separate NMOC emissions estimate shall be made for each section proposed for the exclusion, and the sum of all sections shall be compared to the NMOC emission estimate for the entire landfill. Emissions from each section shall be computed using the following equation:

$$Q_i = 2kL_0M_i (e^{-kt_i})(C_{nmoc})(3.9 \cdot 10^{-9})$$

where,

Q_i = NMOC emissions rate from the i^{th} section, Mg/yr

k = methane generation rate constant, year⁻¹

L_0 = methane generation potential, cubic meters per megagram solid waste

M_i = mass of the degradable solid waste in the i^{th} Section, megagrams

t_i = age of the solid waste in the i^{th} section, years

C_{nmoc} = concentration of nonmethane organic compounds, ppmv

[40CFR § 60.759(a)(3)(ii)]

- b. The values for k and C_{nmoc} determined in field testing shall be used, if field testing has been performed in determining the NMOC emissions rate for the

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radii of influence (the distance from the well center to a point in the landfill where the pressure gradient applied by the blower or compressor approaches zero). If field testing has not been performed, the default Tier 1 values for k , L_o and C_{nmoc} shall be used. Alternative values may be used if approved by the APCO. The mass of the nondegradable solid waste contained within the given section may be subtracted from the total mass of the section when estimating emissions provided the nature, location, age and amount of the nondegradable material is documented as provided in the previous paragraph of this section. **[40CFR § 60.759(a)(3)(iii)]**

3. The Permittee shall construct the gas collection devices using the following equipment or procedures:
 - a. The landfill gas extraction components shall be constructed of polyvinyl chloride (PVC), high density polyethylene (HDPE) pipe, fiberglass, stainless steel, or other nonporous corrosion resistant material of suitable dimension to: convey projected amount of gases; withstand installation, static, and settlement forces; and withstand planned overburden or traffic loads. The collection system shall extend as necessary to comply with emissions and migration standards. Collection devices such as wells and horizontal collectors shall be perforated to allow gas entry without head loss sufficient to impair performance across the intended extent of control. Perforations shall be situated with regard to the need to prevent excessive air infiltration. **40CFR § 60.759(b)(1).**
 - b. Vertical wells shall be placed so as not to endanger underlying liners while addressing the occurrence of water within the landfill. Holes and trenches constructed for piped wells and horizontal collectors shall be sufficient cross-section so as to allow for the proper construction and completion including, for example, centering of pipes and placement of gravel backfill. Collection devices shall be designed so as not to allow short circuiting of air into the cover or refuse into the collection system or gas into the air. Any gravel used around pipes perforations should be of a dimension as to not penetrate or block perforations. **40CFR § 60.759(b)(2).**
4. Collection devices may be connected to the collection headers pipes below or above the landfill surface. The connector assembly shall include a positive closing throttle valve, any necessary seals and couplings, access couplings and at least

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one sampling port. The collection devices shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other nonporous material of suitable thickness. **40CFR § 60.759(b)(3).**

5. The Permittee shall convey the landfill gases to a control system through the collection header pipe(s). The gas mover equipment shall be sized to handle the maximum gas generation flow rate expected over the intended use period of the gas moving equipment. **40CFR § 60.759(c).**
 - a. For existing collection systems, the flow data shall be used to project the maximum flow rate. If no flow data exists, the procedures in Section V.5.b shall be used. **40CFR § 60.759(c)(1).**
 - b. For new collection systems, the maximum flow rate shall be in accordance with Section VI.A.1. **40 CFR §60.759(c)(2).**

VI. Compliance Provisions

A. Active Collection System

1. For the purposes of calculating the maximum expected gas generation flow rate from the landfill(s) to determine compliance with Section IV.B.1, the k and L_o kinetic factors should be those published in the most recent Compilation of Air Pollution Emission Factor (AP-42) or other site specific values demonstrated to be appropriate and approved by the APCO. A value of not more than 15 years shall be used for the intended use of the gas mover equipment. The active life of the landfill is the age of the landfill plus the estimated number of years until closure. **40 CFR §60.755(a)(1).**
 - a. For sites with known year to year solid waste acceptance rate: **40 CFR §60.755(a)(1)(ii)**

$$Q_m = 2kL_oM_i(e^{-kt_i})$$

where,

Q_m = maximum expected gas generation flow rate, cubic meters per Year

k = methane generation constant, years⁻¹

L_o = methane generation potential, cubic meters per megagram solid waste

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M_i = mass of solid waste in the i^{th} section, megagrams
 t_i = age of the i^{th} section, years

2. If a collection and control system has been installed, actual flow data may be used to project the maximum expected gas generation flow rate instead of, or in conjunction with, the calculation methodology of VI.A.1. If the landfill is still accepting waste, the actual measured flow data will not be equal to the maximum expected gas generation rate. Therefore, calculations using the methodology of VI.A.1 or other approved values, shall be used to predict the maximum expected gas generation rate over the intended period of use of the gas control system equipment. **40 CFR § 60.755(a)(1)(iii).**
3. For the purposes of determining sufficient density of gas collectors for compliance with Section IV.B.(1), the Permittee shall design a system of vertical wells, horizontal collectors, or other collection devices, satisfactory to the APCO, capable of controlling and extracting gas from all portions of the landfill sufficient to meet all operational and performance standards. **40 CFR § 60.755(a)(2).**
4. For the purpose of demonstrating whether the gas collection system flow rate is sufficient to determine compliance with Section IV.B.1.b.3, the Permittee each month shall measure gauge pressure in the gas collection header at each individual well. If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the conditions allowed under Section IV.B.2. If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the APCO for approval. **40 CFR § 60.755(a)(3).**
5. The Permittee is not required to expand the system, as required in Section VI.A.4, during the first 180 days after gas collection system startup. **40 CFR § 60.755(a)(4).**
6. For the purpose of identifying whether excess air infiltration into the landfill is occurring, the Permittee shall monitor each well monthly for temperature and nitrogen or oxygen as provided in Section IV. B.3. If a well exceeds one of these operating parameters, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15

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calendar days of the first measurements, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause exceedance of other operational or performance standards. An alternative timeline for correcting the exceedances may be submitted to the APCO for approval. **40 CFR § 60.755(a)(5).**

7. The Permittee seeking to demonstrate compliance with Section IV.B.1.b.4, through the use of a collection system not conforming to the specification provided in Section V, shall provide information satisfactory to the APCO as specified in Section IV. A.1, demonstrating that off-site migration is being controlled. **40 CFR § 60.755(a)(6).**
8. For the purpose of compliance with Section IV.B.1.b.1&2, the Permittee shall install a well or design component as specified in the approved design plan as required under Section IV.A. Each well shall be installed no later than 60 days after the date on which the initial solid waste has been in place for a period of:
 - a. 5 years or more if active; or
 - b. 2 years or more if closed or at final grade.**40 CFR § 60.755(b).**

B. Methane Concentration Limits for an Active Collection System

The following procedures shall be used to determine compliance with the surface methane operational standard as required in **40 CFR § 60.753(d) and 40 CFR § 60.755(c).**

1. After installation of the collection system, the Permittee shall monitor surface concentrations of methane along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals (or site specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in Section VI.C. **40 CFR § 60.755(c)(1).**
2. The background concentrations shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells. **40 CFR § 60.755(c)(2)**

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3. Surface emissions monitoring shall be performed in accordance with Section 4.3.1 of EPA Method 21 of Appendix A of the 40 CFR § 60 Subpart WWW, except that the probe inlet shall be placed within 5 to 10 centimeters from the ground. Monitoring shall be performed during typical meteorological conditions. **40 CFR § 60.755(c)(3).**
4. Any reading of 500 ppm or more above background at any location shall be recorded as a monitored exceedance, as well as the response actions taken, which are listed in Section VI.B.4.a. through c of this section. As long as the specified actions have been taken, the exceedance is not a violation of the operational requirements of Section IV.B.4. **40 CFR § 60.755(c)(4).**
 - a. The location of each monitored exceedance shall be marked and the location recorded. **40 CFR § 60.755(c)(4)(i).**
 - b. Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedances. **40 CFR § 60.755(c)(4)(ii).**
 - c. If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, then the action specified in Section VI.B.4.e will be taken, and no further monitoring of that location is required until the action specified in VI.B.4.e has been taken. **40 CFR § 60.755(c)(4)(iii).**
 - d. Any location that initially showed an exceedance, but has a methane concentration less than 500 ppm methane above background at the 10 days re-monitoring specified in Section VI.B.4.b and c, shall be re-monitored 1 month from the initial exceedance. If the 1 month re-monitoring shows a concentration less than 500 parts per million (ppm) above background, then no further monitoring of that location is required until the next quarterly monitoring period. If the 1 month re-monitoring shows an exceedance, then the action specified in Section VI.B.4.c or e shall be taken. **40 CFR § 60.755(c)(4)(iv).**
 - e. For any location where the monitored methane concentration equals or

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exceeds 500 ppm above background three (3) times with within 1 quarterly period, 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 piped, or control device, and a corresponding timeline for installation may be submitted to the APCO for approval. **40 CFR § 60.755(c)(4)(v).**

5. The permittee shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis. **40 CFR § 60.755(c)(5).**

C. Surface Emissions Monitoring Devices for an Active Collection System.

The Permittee seeking to comply with the provisions in Section VI.B shall comply with the following instrumentation specifications and procedures for surface emissions monitoring devices. **40 CFR § 60.755(d)(1).**

1. The portable analyzer shall meet the instrument specification provided in Section 3 of EPA Method 21 of Appendix A of 40 CFR § 60 Subpart WWW, except that "methane" shall replace all reference to VOC. **40 CFR § 60.755(d)(1).**
2. The calibration gas shall be methane, diluted to a nominal concentration of 500 ppm in air. **40 CFR § 60.755(d)(2).**
3. To meet the performance evaluation requirements in Section 3.1.3 of EPA Method 21 of Appendix A of 40 CFR § 60 Subpart WWW, the instruments evaluation procedure of Section 4.4 of Method 21 of Appendix A of 40 CFR § 60 shall be used. **40 CFR § 60.755(d)(3).**
4. The Calibration procedures provided in Section 4.3 of EPA Method 21 of Appendix A of 40 CFR § 60 Subpart WWW shall be followed immediately before commencing a surface monitoring survey. **40 CFR § 60.755(d)(4).**

D. Startup, Shutdown, and Maintenance

1. The provisions specified in Section VI apply at all times, except during periods of startup, shutdown, or malfunction, provided that the duration of the start-up, shutdown, or malfunction shall not exceed 5 days for the collection system and shall not exceed 1 hour for treatment or control devices. **40 CFR § 60.755(e).**

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VII. Monitoring Operations

A. Active Collection System

1. The Permittee shall install a sampling port and a thermometer, or other temperature measuring device, or an access port for temperature measurements at each wellhead, per 40 CFR §60.756(a), and:
 - a. Measure the gauge pressure in the gas collection header on a monthly basis as provided in Section VI.A.4 and 40 CFR § 60.755(a)(3); and **[40 CFR §60.756(a)(1)]**
 - b. Monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in Section VI.A.6 and 40 CFR § 60.755(a)(5); and **[40 CFR §60.756(a)(2)]**
 - c. Monitor temperature of the landfill gas on a monthly basis as provided in Section VI.A.6 and 40 CFR § 60.755(a)(5). **[40 CFR §60.756(a)(3)].**

B. Enclosed Combustor(s)

1. The Permittee shall conduct annual compliance source testing, unless as allowed per ICAPCD Rule 400.C.1, in accordance with EPA Methods: Method 7, 7A, 7C, or 7E, or any other applicable EPA approved test method for NO_x, Method 10 for CO, Method 3A for CO₂/O₂, Method 1-2 for flow, Method 25C or Method 18 for NMOC's, and Method 9 for visibility. Said Method(s) may be modified if a more accurate or appropriate method has been promulgated either by U.S. EPA or CARB. SO₂ may be determined by calculations based on sulfur content of landfill gas. The stack concentrations and emission rates shall be measured, corrected to, and calculated for the following:
 - a. Nitrogen Oxides: ppm at 7% O₂, dry and lb/hr,
 - b. Carbon Monoxide: ppm at 7% O₂, dry and lb/hr,
 - c. NMOC: ppmv and lb/hr, and
 - d. Visibility in Ringlemann by Method 9.**ICAPCD Rule 207, New Source Review, adopted prior to 03/17/80.; ICAPCD**

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Rule 400, Fuel Burning Equipment, revised on 9/14/99; ICAPCD Rule 900.F.2.g, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, adopted 06/26/01; and 40 CFR § 60.18

2. If the Permittee uses an enclosed combustor, then the Permittee shall calibrate, maintain, and operate according to the manufacturer's specification, of the following equipment: **[40 CFR §60.756(b)]**
 - a. Temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of ± 1 percent of the temperature being measured expressed in degrees Celsius or ± 0.5 °C, whichever is greater. A temperature monitoring device is not required for boilers or process heaters with design heat input capacity greater than 44 megawatts. **40 CFR §60.756(b)(1).**
 - b. A device that records flow to or bypass of the enclosed combustor. The Permittee shall either: **[40 CFR §60.756(b)(2)]**
 - i. Install, calibrate, and maintain a gas flow rate measuring device that shall record the flow to the control device every 15 minutes; or **[40 CFR §60.756(b)(2)(i)]**.
 - ii. Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line. **[40 CFR §60.756(b)(2)(ii)]**.
- C. Surface Methane Monitoring Devices
 1. If the Permittee is seeking to demonstrate compliance with Section VI.B (40 CFR §60.755(c)), the Permittee shall monitor surface concentrations of methane according to the instrument specifications and provisions specified Section VI.C (40 CFR §60.755(d)). Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that

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landfill to quarterly monitoring. **40 CFR §60.756(f)**.

D. Particulate Monitors

1. The Permittee shall operate and maintain a particulate monitor approved by the APCO. The monitoring will be in accordance with EPA specifications. **ICAPCD Rule 207, New Source Review, adopted prior to 03/17/80; PTO 2625B-2, XI.**

VIII. Testing Requirements

Conditions in Section VIII of this permit apply to all emissions units located at the facility. The Permittee shall comply with the following generally applicable testing requirements as necessary to ensure that the required tests are sufficient for compliance purposes [**40 CFR §71.6(a)(3)**]:

1. Submit to EPA a source test plan 45 days prior to any required testing. The source test plan shall include and address the following elements:
 - a. Purpose of the test;
 - b. Source description and mode of operation during test;
 - c. Scope of work planned for test;
 - d. Schedule/Dates;
 - e. Process data to be collected during test;
 - f. Sampling and analysis procedures;
 - g. Sampling locations;
 - h. Test Methods;
 - i. Analysis procedures and laboratory identification;
 - j. Quality Assurance Plan;
 - k. Calibration procedures and frequency;
 - l. Sample recovery and field documentation;
 - m. Chain of custody procedures;
 - n. QA/QC Project flow chart;
 - o. Data processing and reporting;
 - p. Description of data handling and QC procedures
 - q. Report content
2. Unless otherwise specified by an applicable requirement or permit condition, all source tests shall be performed at maximum operating rates (90% to 110%) of device capacity.

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3. Only regular operating staff may adjust the processes or emission control device parameters during a compliance source test. No adjustments are to be made within two (2) hours of the start of any given test. Any operating adjustments made during a source test, that are a result of consultation during the tests with source testing personnel, equipment vendors, or consultants, may render the source test invalid.
4. During each test run and for two (2) hours prior to the test and two (2) hours after the completion of the test, the permittee shall record the following information:
 - a. Fuel characteristics and/or amount of product processed (if applicable);
 - b. Visible emissions;
 - c. All parametric data which is required to be monitored in Section VIII for the emission unit being tested;
 - d. Other source specific data identified within this permit, such as minimum test length, minimum sample volume, other operating conditions to be monitored, correction of O₂, etc.;
 - e. Each source test shall consist of at least three (3) valid test runs and the emissions results shall be reported as the arithmetic average of all valid test runs and in the terms of the emission limit;
 - f. All source test results shall be submitted to the APCD and EPA within 60 days of completing any required source test.

IX. Recordkeeping Requirements

A. Design Capacity

1. The Permittee shall keep for at least 5 years updated, readily accessible, onsite records of the design capacity report, the current amount of solid waste in place, and the year to year waste acceptance rate. Offsite records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable. **[40 CFR §60.758(a)]**

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B. Control Equipment

The Permittee shall keep updated, readily accessible records for the life of the control equipment of the data listed in Section IX.B.1 of this section as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring shall be maintained for a minimum of 5 years. Records of the control device vendor specifications shall be maintained until removal. **[40 CFR §60.758(b)]**

1. The Permittee seeking to demonstrate compliance with §60.752(b)(2)(ii) is expected to have; **[40 CFR §60.758(b)(1)]**
 - a. The maximum expected gas generation flow rate as calculated in §60.755(a)(1). The Permittee may use another method to determine the maximum gas generation flow rate, if the method has been approved by the APCO. **[40 CFR §60.758(b)(1)(i)]**
 - b. The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in §60.759(a)(1) and Section V.1.a. **[40 CFR §60.758(b)(1)(ii)]**
2. The Permittee seeking to demonstrate compliance with Section IV.C.1., through the use of an enclosed combustion device other than a boiler or a process heater with a design heat input capacity greater than 44 megawatts, is expected to have; **[40 CFR §60.758(b)(2)]**
 - a. The average combustion temperature measured at least every 15 minutes and averaged over the same time period of the performance test. **[40 CFR §60.758(b)(2)(i)]**
 - b. The percent reduction of NMOC determined as specified in Section IV.C.1, and achieved by the control device. **[40 CFR §60.758(b)(2)(ii)]**

C. Equipment Operating Parameters

The Permittee shall keep 5 years of up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in Section VII. The Permittee shall have up-to-date, readily accessible records for periods of operation during which the parameter boundaries established during the most recent performance test were exceeded. **[40 CFR §60.758(c)]**

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1. The following constitute exceedances that shall be recorded and reported under §60.757(f): **[40 CFR §60.758(c)(1)]**
 - a. For enclosed combustors except for boilers and process heaters with design heat input capacity of 44 megawatts (150 million British thermal Units per hour) or greater, all 3 hour periods of operation during which an average combustion temperature was more than 28°C below the average combustion temperature during the most recent performance test at which compliance with §60.752(b)(2)(iii) was determined.
[40 CFR §60.758(c)(1)(i)]
2. The Permittee shall keep up-to-date, readily accessible continuous records of the indication of flow to the control device or the indication of bypass flow or records of monthly inspections of car-seals or lock-and-key used to seal bypass lines specified in Section VII. **[40 CFR §60.758(c)(2)]**
3. The Permittee seeking to comply with the provisions of this subpart by use of an open flare shall keep up-to-date, readily accessible continuous records of the flame or flare pilot flame monitoring specified under §60.756(c), and up-to-date, readily accessible records of all periods of operation in which the flame or flare pilot flame is absent. **[40 CFR §60.758(c)(4)]**

D. Collectors

The Permittee shall keep for the life of the collection system an up-to-date, readily accessible plot map which shows each existing and planned collector in the system and provides a unique identification location label for each collector. **40 CFR §60.758(d)**.

1. The Permittee shall keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors as specified in Section VI.A.8. **40 CFR §60.758(d)(1)**.

E. Exceedances of Operational Standards

1. The Permittee shall keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standard in Section IV.B, the reading in the subsequent month whether or not the second

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reading is an exceedance, and the location of each exceedance. **40 CFR §60.758(e).**

F. Fugitive Dust Observation

1. The Permittee shall maintain records of all visible emissions observation conducted. The Visible fugitive emission form (Attachment B) for EPA Method 22 shall be used to record all visible inspections. Additionally, the following records shall be required:
 - a. All EPA Method 22 and Method 9 observations shall be logged, and shall include: name of observer, ii.) date and time of observation, iii.) unit ID number, and iv.) results of VE observation.
 - b. For each emissions point where corrective action is required, i.) the nature of visible emissions, ii) description of corrective actions taken to abate visible emissions, and iii.) date and time visible emissions were abated.
 - c. When EPA Method 9 is required: i) all visible emission observations conducted by a certified opacity reader, and ii) name of the person conducting the inspection and measurement, or monitoring.

PTO 2625B-2, X.; ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 6/26/01; ICAPCD Rule 207, New Source Review, adopted prior to 03/17/80.

G. Particulate Monitoring Program

1. The Permittee shall maintain the current ambient particulate and meteorological monitoring at the landfill site. The particulate monitoring program may be revised accordingly to provide for the necessary changes required to ensure accuracy. **PTO 2625B-2, XI.; ICAPCD Rule 900.F.2.e, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 6/26/01; ICAPCD Rule 207, New Source Review, adopted prior to 03/17/80.**

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X. Reporting Requirements

A. Initial Design Capacity Report

The Permittee shall submit an initial design capacity report to the APCO. **[40 CFR §60.757(a)]**

1. The initial design capacity report shall fulfill the requirements of the notification of the date construction is commenced as required by 40 CFR §60.7(a)(1) and shall be submitted no later than the earliest day from the following:
 - a. Ninety days after the date of commenced construction, modification, or reconstruction for landfills that commence construction, modification, or reconstruction on or after March 12, 1996. **[40 CFR §60.757(a)(1)(ii)]**
2. The initial design capacity report shall contain the following information:
 - a. A map or a plot of the landfill, providing the size and location of the landfill and identifying all areas where solid waste may be landfilled. **[40 CFR §60.757(a)(2)(i)]**
 - b. The maximum design capacity of the landfill. The calculations shall be provided, along with the relevant parameters as part of the report. The APCO may request other reasonable information as may be necessary to verify the maximum design capacity of the landfill. **[40 CFR §60.757(a)(2)(ii)]**
 - c. An amended design capacity report shall be submitted to the APCO providing notification of an increase in the design capacity of the landfill, within 90 days of an increase in the maximum design capacity of the landfill to or above 2.5 million megagrams and 2.5 million cubic meters. This increase in design capacity may result from an increase in the permitted volume of the landfill or an increase in the density as documented in the annual recalculation required in §60.758(f). **[40 CFR §60.757(a)(3)]**

B. NMOC Emission Rate Report

1. The Permittee shall submit an NMOC emission rate report to the APCO initially and annually thereafter, except as provided for in §60.757(b)(1)(ii) or §60.757(b)(3). The APCO may request such additional information as may be necessary to verify the reported NMOC emission rate. **[40 CFR §60.757(b)]**

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C. Closure Report

1. The Permittee shall submit a closure report to the APCO within 30 days of waste acceptance cessation. The APCO may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 40 CFR §258.60. If a closure report has been submitted to the APCO, no additional wastes may be placed into the landfill without filing a notification of modification as described in 40 CFR §60.7(a)(4). **40 CFR §60.757(d).**

D. Other Reporting Requirements

1. The Permittee shall submit an annual report containing monthly fuel consumed and hours operated per month for the diesel fueled engines. The annual report shall be submitted to the District by the 28th of February of each preceding operating year. **ICAPCD Rule 207, New Source Review, New Source Review, revised 09/07/93; PTO 3888A Condition 13.**
2. The Permittee shall report any deviation from requirements in this Title V Operating Permit, other than deviations reported to the District pursuant to the District Upset/ Breakdown rule, to the APCO within 2 days of occurrence. The permittee shall use approved forms to report any deviations. **ICAPCD Rule 900.F.2.g, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 6/26/01.**
3. The Permittee shall submit a written monitoring report to the APCD and USEPA every six months. The report shall identify any deviations from permit requirements, including those previously reported to the APCO. The Permittee shall submit one report postmarked by March 1 of each year that covers the period from August 1 through January 31 of the previous calendar year, and one report postmarked by September 1 that covers the period from February 1 through July 31 of each calendar year. All reports of a deviation from permit requirements shall include the probable cause of the deviation and any preventive or corrective action taken. The Permittee shall use Districts' approved forms for the report regarding deviation from permit requirements and shall also include a written statement from the responsible official which certifies the truth, accuracy, and completeness of the report. When no deviations have occurred during the reporting period, such information shall be stated in the report. **ICAPCD Rule 900.F.2.g, Procedures for**

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4. The permittee shall have in place a written Startup, Shutdown, and Malfunction (SSM) plan according to the provisions in 40 C.F.R. 63.6(e)(3). A copy of the SSM plan must be maintained on site. Failure to write, implement, or maintain a copy of the SSM plan is a deviation from the requirements 40 C.F.R. 63, Subpart AAAA. **[40 C.F.R. § 63.1960]**
5. The permittee shall include deviations specified in the Municipal Solid Waste Landfill NESHAP in the required semiannual monitoring report. Deviations for continuous emission monitors or numerical continuous parameter monitors must be determined using a 3-hour monitoring block average. **[40 C.F.R. §63.1955(c); 40 C.F.R. § 63.1965(a), (b), and (c)]**
6. The permittee shall report to EPA Region 9 any actions not consistent with the SSM Plan. The initial report shall be within two working days via telephone, facsimile, or electronic mail sent to r9.aeo@epa.gov, followed by a letter delivered or postmarked within seven working days after the end of the event. The letter shall contain the name, title, and signature of the responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the SSM Plan, and whether any excess emissions and or parameter monitoring exceedances are believed to have occurred. **[40 C.F.R. § 63.10(d)(5)]**
7. With respect to compliance with all National Emission Standards for Hazardous Air Pollutants (NESHAP) of 40 C.F.R. Part 63, the permittee shall comply with the "Notification requirements" found in 40 C.F.R. 63.9. **[40 C.F.R. § 63.9]**
8. When actions taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) are consistent with the procedures specified in the startup, shutdown, and malfunction plan, the owner the permittee must keep records for that event which demonstrate that the procedures specified in the plan were followed. These records may take the form of a "checklist," or other effective form of recordkeeping that confirms conformance with the startup, shutdown, and malfunction plan for that event. In addition, the permittee must keep records of these events as specified in §63.10(b), including records of the occurrence and duration of each startup, shutdown, or malfunction

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of operation and each malfunction of the air pollution control and monitoring equipment. Furthermore, the permittee shall confirm that actions taken during the relevant reporting period during periods of startup, shutdown, and malfunction were consistent with the startup, shutdown and malfunction plan in the semiannual (or more frequent) startup, shutdown, and malfunction report required in §63.10(d)(5).

[40 C.F.R. § 63.6(e)(3)(iii)]

9. If an action taken by the permittee during a startup, shutdown, or malfunction (including an action taken to correct a malfunction) is not consistent with the procedures specified in the startup, shutdown, and malfunction plan, and the permittee exceeds any applicable emission limitation in the relevant emission standard, then the permittee must record the actions taken for that event and must report such actions within 2 working days after commencing actions inconsistent with the plan, followed by a letter within 7 working days after the end of the event, in accordance with §63.10(d)(5) (unless the owner or operator makes alternative reporting arrangements, in advance, with the Administrator).

[40 C.F.R. § 63.6(e)(3)(iv)]

XI. Emergency Provisions

1. The Permittee shall notify the ICAPCD of any upset conditions, breakdown or scheduled maintenance which cause a violation of emission limitations prescribed by District Rules and Regulations, or by State law. The District shall be notified as soon as reasonably possible but not later than two (2) hours after its detection. The completion of corrective measures or the shutdown of emitting equipment is required within 24 hours of occurrence of a breakdown condition. **ICAPCD Rule 207, New Source Review, adopted prior to 03/17/80; PTO 2625B-2 Condition XIII.2.**
2. The Permittee shall submit a written report to the APCO within ten days after a breakdown occurrence has been corrected. This report shall include: a) a statement that the occurrence has been corrected, together with the date of correction and proof of compliance; b) the reason(s) or cause(s) of the occurrence; c) a description of the corrective measures undertaken; and d) the type of emission and estimated quantity of the emissions caused by the occurrence. **ICAPCD Rule 207, New Source Review, adopted prior to 03/17/80; PTO 2625B-2 Condition XIII.2.**

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3. Within two weeks of an emergency event, the operator shall submit to the District a properly signed, contemporaneous log or other relevant evidence which demonstrates that: a) an emergency occurred; b) the Permittee 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 working days of the emergency event, the Permittee provided the District with a description of the emergency and any mitigation or corrective actions taken. **ICAPCD Rule 900.F.2.I, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 6/26/01.**
4. In any enforcement proceeding, the Permittee has the burden of proof for establishing that an emergency occurred. **ICAPCD Rule 900.F.2.I, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 6/26/01.**

XII. Compliance Certification

1. The Permittee shall submit compliance certification reports to the U.S.EPA, Director, Air Division, 75 Hawthorne Street, AIR-3, San Francisco, CA 94105 and the APCO every 12 months. These reports shall be postmarked by February 28th of each year and that covers the previous calendar year. The reports shall include the following requirements: a) identify the basis for each permit term or condition and a means of monitoring compliance with the term or condition; b) the compliance status and method(s) used to determine compliance for the current time period and over the entire reporting period, including whether compliance during the period was continuous or intermittent; and c) any additional inspection, monitoring, or entry requirement that may be promulgated pursuant to Sections 114(a) and 504(b) of the CAA. The permittee shall use District approved forms for the compliance certification and shall also include a written statement from the responsible official which certifies the truth, accuracy, and completeness of the report. **ICAPCD Rule 900.F.2.n, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 6/26/01.**

XIII. Risk Management Plan

1. This stationary source, as defined in 40 CFR Section 68.3, is subject to Part 68, the Accidental Release Prevention regulations. This stationary source shall certify

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compliance with the requirements of part 68 as part of the annual compliance certification. **40 CFR Part 70 or 71; 40 CFR Part 68.3, Risk Management Plan.**

XIV. Right of Entry

1. The Regional Administrator of United States Environmental Protection Agency (U.S. EPA), the Executive Officer of the California Air Resources Board, the APCO, or their authorized representatives, upon the presentation of credentials, shall be permitted to enter upon the premises:
 - a. To inspect the stationary source, including equipment, work practices, operations, and emissions-related activity; and
 - b. To inspect and duplicate records required by this Operating Permit; and
 - c. To sample substances or monitor emissions from the source or other parameters to assure compliance with the Permit or applicable requirements. Monitoring of emissions can include source testing.
ICAPCD Rule 900.F.2.j, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 6/26/01; ICAPCD Rule 207, New Source Review, adopted prior to 03/17/80.

XV. Severability

1. The provisions of this Operating Permit are severable and if any provisions of this Operating Permit are held invalid, the remainder of this Operating Permit shall not be affected thereby. **ICAPCD Rule 900.F.2.m, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 6/26/01.**

XVI. Permit Life

1. This Operating Permit shall become invalid five years from the date of issuance unless a timely and complete renewal application is submitted to the District. The permittee shall apply for renewal of this Operating Permit no earlier than 18 months and no later than 6 months before the expiration date of the current permit to operate. Upon submittal of a timely and complete renewal application, this Operating Permit shall remain in effect until the APCO issues or denies the

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renewal application. **ICAPCD Rule 900.F.2.o, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 6/26/01.**

XVII. Payment of Fees

1. The Permittee shall remit the Title V annual fee to the District on a timely basis. Failure to remit fees on a timely basis shall result in forfeiture of this Operating Permit. Operation without a permit to operate subjects the source to potential enforcement action by the District and the U.S. EPA pursuant to section 502(a) of the Clean Air Act. **ICAPCD Rule 900.F.2.p, Procedures for Issuing Permits to Operate for Sources Subject to Title V of the Federal CAA Amendments of 1990, revised 6/26/01.**