# Bay Area Air Quality Management District

939 Ellis Street375 Beale Street, Suite 600
San Francisco, CA 9410559
(415) 771-6000

---

**~~Draft~~Proposed**

# MAJOR FACILITY REVIEW PERMIT

**Issued To:**

## San Jose/Santa Clara
## Water Pollution Control
## Facility #A0778

**Facility Address:**
700 Los Esteros Road
San Jose, CA 95134

**Mailing Address:**
700 Los Esteros Road
San Jose, CA 95134

| **Responsible Official** | **Facility Contact** |
|---|---|
| Joanna De Sa ~~Dale Ihrke~~, | Ken Davies,~~Kevin Win Maung,~~ |
| ~~Acting~~ Deputy Director~~Associate Engineer~~ | Environmental Compliance Officer |
| (408) 635-2039~~945-5198~~ | (408) 975-2587~~45-5316~~135 |

---

**Type of Facility:** Municipal Wastewater Treatment
**Primary SIC:** 4952

BAAQMD Permit Division Contact:
Simrun Dhoot~~M.K. Carol Lee, P.E~~.

**Product:** Treated Municipal Wastewater

**ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

_____ _____
Jack Broadbent, Executive Officer/Air Pollution Control Officer Date

# TABLE OF CONTENTS

# I. STANDARD CONDITIONS

## A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/4/11~~5/2/01~~);

SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 12/19/12, effective 8/31/16~~6/15/05~~);

~~SIP Regulation 2, Rule 1 – Permits, General Requirements~~
~~(as approved by EPA through 1/26/99);~~

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on ~~6/15/05~~ 12/19/12, effective 8/31/16);

~~SIP Regulation 2, Rule 2 – Permits, New Source Review and Prevention of Significant Deterioration~~
~~(as approved by EPA through 1/26/99);~~

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on ~~12/21/04~~ 12/19/12);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 01/06/10); and

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03)

SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 6/23/95)

## B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on June 26, 2007 and expires on June 25, 2012. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than December 26, 2011 and no earlier than June 26, 2011. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after June 25, 2012.** If the permit renewal has not been issued by June 25, 2012, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

# I. Standard Conditions

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

# I. Standard Conditions

**C. Requirement to Pay Fees**

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

**D. Inspection and Entry**

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

**E. Records**

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, MOP Volume II, Part 3, §4.7)

**F. Monitoring Reports**

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. ~~The first reporting period for this permit shall be [date of issuance] to [six months later]. The report shall be submitted by [one month after end of reporting period]. Subsequent~~ Rreports shall be for the following periods: March 1st through August 31st and September 1st through February 28th or 29th, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the non-compliance. Within 30 calendar days of the discovery of any non-compliance, the facility shall submit a written report including the probable cause of the non-compliance and any corrective or preventative actions. The reports shall be sent by e-mail to compliance@baaqmd.gov or by postal mail to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
~~939 Ellis Street~~375 Beale Street, Suite 600
San Francisco, CA 9410~~59~~
Attn: Title V Reports

(Regulation 2-6-502, MOP Volume II, Part 3, §4.7)

**G. Compliance Certification**

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be September 1st through August 31st. The certification shall be submitted by September 30th of each year. The certification must list each applicable requirement, the compliance status, whether compliance was

# I. Standard Conditions

continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. ~~The permit holder may satisfy this requirement through submittal of District generated Compliance Certification forms.~~ The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent by e-mail to r9.aeo@epa.gov or postal mail to the Environmental Protection Agency at the following address:

Director ~~of the Air Division~~
Enforcement Division, TRI & Air Section (ENF-2-1)
USEPA, Region ~~IX~~9
75 Hawthorne Street
San Francisco, CA 94105
~~Attention: Air-3~~

(MOP Volume II, Part 3, §4.5 and 4.15)

**H. Emergency Provisions**

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

**I. Severability**

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

**J. Miscellaneous Conditions**

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Sections 301. (Regulation 2-1-301)

~~**K. Accidental Release**~~

~~This facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit holder shall submit a risk management plan (RMP) by the date specified in~~

# I. Standard Conditions

~~§68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6)~~

# II. EQUIPMENT

## Table II A – Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition J 1. and Regulation 2-1-301.

| S-# | Description | Make or Type | Model | Capacity |
|---|---|---|---|---|
| ~~S-4~~ | ~~Stationary IC Cogen Engine, E1 (digester gas, landfill gas, natural gas, diesel)~~ | ~~Enterprise~~ | ~~DGSG-8-CB~~ | ~~1130 HP/9.1 MM Btu/hr~~ |
| S-5 | Stationary, 4-Stroke, Lean Burn, IC Cogen Engine, E2 (digester gas, landfill gas, natural gas, diesel) | Enterprise | DGSG-8-CB | 1130 HP/9.1 MM Btu/hr |
| ~~S-6~~ | ~~Stationary, 4-Stroke, Lean Burn, IC Cogen Engine, E3 (digester gas, landfill gas, natural gas, diesel)~~ | ~~Enterprise~~ | ~~DGSG-8-CB~~ | ~~1130 HP/9.1 MM Btu/hr~~ |
| S-7 | ~~Stationary IC Cogen Engine~~Stationary, 4-Stroke, Lean Burn, IC Cogen Engine, E5 (digester gas, landfill gas, natural gas, diesel) | Enterprise | DGSR-38-CB | 2466 HP/20.9 MM Btu/hr |
| ~~S-8~~ | ~~Stationary IC Cogen Engine, E6 (digester gas, landfill gas, natural gas, diesel)~~ | ~~Enterprise~~ | ~~DGSR-38-CB~~ | ~~2466 HP/20.9 MM Btu/hr~~ |
| S-9 | ~~Stationary IC Cogen Engine~~Stationary, 4-Stroke, Lean Burn, IC Cogen Engine, A3 (digester gas, landfill gas, natural gas) | Cooper-Bessemer | LS-8-SCG | 2345 HP/19.9 MM Btu/hr |
| S-10 | ~~Dual Fuel Cogen Engine~~Stationary, 4-Stroke, Lean Burn, IC Cogen Engine, A2 (digester gas, landfill gas, natural gas) | Cooper-Bessemer | LS-8- SGC | 2345 HP/19.9 MM Btu/hr |
| S-11 | ~~Stationary IC Cogen Engine~~Stationary, 4-Stroke, Lean Burn, IC Cogen Engine, A1 (digester gas, landfill gas, natural gas) | Cooper-Bessemer | LS-8-SGC | 2345 HP/19.9 MM Btu/hr |
| S-12 | ~~Stationary IC Cogen Engine~~Stationary, 4-Stroke, Lean Burn, IC Cogen Engine, B1 (digester gas, landfill gas, natural gas) | Cooper-Bessemer | LS-8-SGC | 1855 HP/15.7 MM Btu/hr |

# II. Equipment

## Table II A – Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition J 1. and Regulation 2-1-301.

| S-# | Description | Make or Type | Model | Capacity |
|---|---|---|---|---|
| S-13 | ~~Stationary IC Cogen Engine~~Stationary, 4-Stroke, Lean Burn, IC Cogen Engine, B2 (digester gas, landfill gas,~~-~~ natural gas) | Cooper-Bessemer | LS-6-SGC | 1855 HP/15.7 MM Btu/hr |
| S-14 | ~~Stationary IC Cogen Engine~~Stationary, 4-Stroke, Lean Burn, IC Cogen Engine, B3 (digester gas, landfill gas, natural gas) | Cooper-Bessemer | LS-6-SGC | 1855 HP/15.7 MM Btu/hr |
| S-15 | Paint Spray Booth | Binks | PFA-8-7-T-LV | Unknown/varies |
| S-16 | Paint Staging Building | Custom Made | | Unknown/varies |
| S-26 | Gasoline Dispensing Island, G6770 | Custom | N/A | 2500 gal, One Nozzle |
| S-36 | 4-Stroke, Lean Burn, Engine Generator 2 – Cogen Unit, Plt EG-2 (digester gas, landfill gas, natural gas) | Delaval Enterprises | HVA-16 | 3900 HP/30 MM Btu/hr |
| S-37 | 4-Stroke, Lean Burn, Engine Generator 3 – Cogen Unit, Plt EG-3 (digester gas, landfill gas, natural gas) | Delaval Enterprises | HVA-16 | 3900 HP/30 MM Btu/hr |
| S-38 | Boiler, Low NOx (~~digester gas,~~ natural gas) | Gordon Piatt | F16.9G50/15934 | 12.5 MM Btu/hr |
| S-39 | Boiler, Low NOx (~~digester gas,~~ natural gas) | Gordon Piatt | F16.9G50/15934 | 12.5 MM Btu/hr |
| S-52 | Sandblast Operations | Quincy | Screw Drive | 375 scfm |
| S-54 | 4-Stroke, Lean Burn, Engine Generator 1, Cogen, 12 Cylinder Turbo LSVB, Plt EG-1 (digester gas, landfill gas, natural gas~~, diesel~~) | Cooper-Bessemer | LSVB-12-GDC | 3900 HP; 28.9 MM Btu/hr |
| S-55 | Emergency I C Engine Bldg 40 500 KW (diesel) | Detroit Diesel | N/A | 760 HP/4.8 MMBTU/hr |
| S-56 | Emergency I C Engine CL Bldg 250 KW (diesel) | Detroit Diesel | N/A | 368 HP/2.1 MMBTU/hr |
| S-57 | Emergency I C Engine P & E, 500 KW (diesel) | Cummins Diesel | N/A | 760 HP/4.4 MMBTU/hr |
| ~~S-58~~ | ~~I C Engine (diesel)~~ | ~~Ford~~ | ~~N/A~~ | ~~59 HP/0.4 MMBTU/hr~~ |
| ~~S-59~~ | ~~I C Engine (diesel)~~ | ~~Deutz~~ | ~~N/A~~ | ~~145 HP/0.9 MMBTU/hr~~ |

# II. Equipment

## Table II A – Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition J 1. and Regulation 2-1-301.

| S-# | Description | Make or Type | Model | Capacity |
|---|---|---|---|---|
| ~~S-60~~ | ~~I C Engine (diesel)~~ | ~~John Deere~~ | ~~N/A~~ | ~~80 HP/0.6 MMBTU/hr~~ |
| ~~S-61~~ | ~~I C Engine (diesel)~~ | ~~Deutz~~ | ~~N/A~~ | ~~62 HP/0.4 MMBTU/hr~~ |
| ~~S-62~~ | ~~I C Engine (diesel)~~ | ~~Mudcat~~ | ~~N/A~~ | ~~235 HP/1.6 MMBTU/hr~~ |
| ~~S-63~~ | ~~I C Engine (diesel)~~ | ~~Mudcat~~ | ~~N/A~~ | ~~235 HP/1.6 MMBTU/hr~~ |
| ~~S-64~~ | ~~I C Engine (diesel)~~ | ~~Mudcat~~ | ~~N/A~~ | ~~235 HP/1.6 MMBTU/hr~~ |
| ~~S-65~~ | ~~I C Engine (diesel)~~ | ~~Mudcat~~ | ~~N/A~~ | ~~235 HP/1.6 MMBTU/hr~~ |
| S-66 | Emergency I C Engine, (diesel) | Perkins | D150-8 | 273HP/1.62 MMBTU/hr |
| S-100 | Wastewater Treatment Plant – Fugitive Emissions | Custom | N/A | 15 MM gal/hr |
| S-110 | Preliminary Treatment | Custom | N/A | 15 MM gal/hr |
| S-120 | Primary Treatment | Custom | N/A | 15 MM gal/hr |
| S-140 | Flow Equalization | Custom | N/A | 15 MM gal/hr |
| S-150 | Secondary Treatment | Custom | N/A | 15 MM gal/hr |
| S-160 | Secondary Clarifiers | Custom | N/A | 15 MM gal/hr |
| S-170 | Tertiary Treatment | Custom | N/A | 15 MM gal/hr |
| S-180 | Disinfection | Custom | N/A | 15 MM gal/hr |
| S-190 | Reclamation | Custom | N/A | 2 MM gal/day |
| S-200 | Sludge Handling | Custom | N/A | 16 DAF/20 Dry Beds; 80 M gal/hr |
| S-210 | Anaerobic Digesters | Custom | N/A | 5.5 MM gal/hr |
| ~~S-211~~ | ~~CH&E 6" Trash Pump, # 22317 (diesel)~~ | ~~John Deere~~ | ~~4045DF150~~ | ~~80 HP/0.4 MMBTU/hr~~ |
| ~~S-212~~ | ~~10" Gorman Rupp Trash Pump # 22312 (diesel)~~ | ~~Detroit~~ | ~~1043-7100~~ | ~~120 HP/0.4 MMBTU/hr~~ |
| ~~S-213~~ | ~~4" Gorman Rupp Trash Pump # 22314 (diesel)~~ | ~~Deutz~~ | ~~F4L912~~ | ~~62 HP/0.5 MMBTU/hr~~ |
| ~~S-214~~ | ~~IR Air Compressor # 22107 (diesel)~~ | ~~Deutz~~ | ~~F6L912,~~ | ~~109 HP/0.7 MMBTU/hr~~ |
| ~~S-215~~ | ~~IR Air Compressor # 22104 (diesel)~~ | ~~Deutz~~ | ~~F6L912~~ | ~~109 HP/0.7 MMBTU/hr~~ |
| ~~S-216~~ | ~~CH&E 6" Trash Pump, # 22306 (diesel)~~ | ~~John Deere~~ | ~~4045DF150~~ | ~~80 HP/0.5 MMBTU/hr~~ |
| ~~S-218~~ | ~~LWT BOOSTER Pump Portable Diesel Engine (City ID # 26701)~~ | ~~John Deere~~ | ~~Model 6068HF-285~~ | ~~200 HP/1.4 MMBTU/hr~~ |
| ~~S-219~~ | ~~LWT BOOSTER Pump Portable Diesel Engine (City ID # 26702)~~ | ~~John Deere~~ | ~~Model 6068HF-285~~ | ~~200 HP/1.4 MMBTU/hr~~ |

# II. Equipment

## Table II B – Abatement Devices

| A-# | Description | Source(s) Controlled | Applicable Requirement | Operating Parameters | Limit or Efficiency |
|---|---|---|---|---|---|
| A-4 | Odor Control System; Packed Bed Scrubber | S-120 | BAAQMD 1-301 | None | N/A |
| A-401 | Digester Gas Flare | S-210 | BAAQMD 1-301 | None | N/A |
| A-402 | Digester Gas Flare | S-210 | BAAQMD 1-301 | None | N/A |
| A-403 | Digester Gas Flare | S-210 | BAAQMD 1-301 | None | N/A |
| A-404 | Digester Gas Flare – Ground Flare | S-210 | BAAQMD 1-301 | None | N/A |
| A-405 | Digester Gas Flare – Emergency Flare | S-210 | BAAQMD 1-301 | None | N/A |

# II. Equipment

## Table II C – Exempt Equipment

Each of the following devices is exempt from major facility review permitting pursuant to the requirements of BAAQMD Regulation 2, Rule 6: Permits, Major Facility Review. The applicable exemption for each device is identified in the table below. Registered portable engines and non-road engines are exempt from BAAQMD Regulation 2, Rule 6 pursuant to BAAQMD Regulation 2-6-113 and 2-6-114, respectively, even though these engines may be required to have a BAAQMD permit to operate pursuant to BAAQMD Regulation 2, Permits Rule 1, ~~Permit~~, General Requirements.

| S-# | Description | Make or Type | Model | Capacity |
|---|---|---|---|---|
| S-218 | LWT BOOSTER Pump Portable Diesel Engine (City ID # 26701) | John Deere | Model 6068HF-285 | 200 HP/1.4 MMBTU/hr |
| S-219 | LWT BOOSTER Pump Portable Diesel Engine (City ID # 26702) | John Deere | Model 6068HF-285 | 200 HP/1.4 MMBTU/hr |

# III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements will not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit. This section also contains provisions that may apply to temporary sources.

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is on EPA Region 9's website. The address is

http://yosemite.epa.gov/R9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions.

**NOTE:**

There are differences between the current BAAQMD rules and the version of the rules in the SIP. All sources must comply with both versions of the rule until US EPA has reviewed and approved the District's revision of the regulation.

**Table III**
**Generally Applicable Requirements**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) |
|---|---|---|
| BAAQMD Regulation 1 | General Provisions and Definitions (~~5/2/01~~ 5/4/11) | N |
| SIP Regulation 1 | General Provisions and Definitions (6/28/99) | Y |
| BAAQMD Regulation 2, Rule 1 | General Requirements (4/18/12, effective 8/31/16~~6/15/05~~) | N |
| BAAQMD Regulation 2-1-429 | Federal Emissions Statement (~~6/7/95~~ 12/21/04) | ~~Y~~N |
| SIP Regulation 2-1-429 | Federal Emissions Statement (04/03/95) | Y |
| ~~SIP Regulation 2, Rule 1~~ | ~~General Requirements (1/26/99)~~ | ~~Y~~ |



Renewal date: _____

# III. Generally Applicable Requirements

## Table III
## Generally Applicable Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) |
|---|---|---|
| BAAQMD Regulation 2, Rule 5 | New Source Review of Toxic Air Contaminants (6/15/05) | Y |
| BAAQMD Regulation 4 | Air Pollution Episode Plan (3/20/91) | N |
| SIP Regulation 4 | Air Pollution Episode Plan (8/06/90) | Y |
| BAAQMD Regulation 5 | Open Burning (~~3/6/02~~ 6/19/03) | N |
| SIP Regulation 5 | Open Burning (9/4/98) | Y |
| BAAQMD Regulation 6, Rule 1 | Particulate Matter – General Requirements (12/05/07) ~~and Visible Emissions (12/19/90)~~ | N~~Y~~ |
| SIP Regulation 6 | Particulate Matter and Visible Emissions (9/4/98) | Y |
| BAAQMD Regulation 7 | Odorous Substances (3/17/82) | N |
| BAAQMD Regulation 8, Rule 1 | Organic Compounds - General Provisions (6/15/94) | Y |
| BAAQMD Regulation 8, Rule 2 | Organic Compounds – Miscellaneous Operations ( 7/20/05) | N |
| SIP Regulation 8, Rule 2 | Organic Compounds – Miscellaneous Operations (~~6/15/94~~3/22/95) | Y |
| BAAQMD Regulation 8, Rule 3 | Organic Compounds - Architectural Coatings (11/21/01) | Y |
| BAAQMD Regulation 8, Rule 4 | Organic compounds - General Solvent and Surface Coating Operations (10/16/02) | Y |
| BAAQMD Regulation 8, Rule 15 | Organic Compounds – Emulsified and Liquid Asphalts (6/1/94) | Y |
| BAAQMD Regulation 8, Rule 40 | Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05) | N~~Y~~ |
| SIP Regulation 8, Rule 40 | Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01) | Y |
| BAAQMD Regulation 8, Rule 47 | Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05) | N~~Y~~ |
| SIP Regulation 8, Rule 47 | Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95) | Y |
| BAAQMD Regulation 8, Rule 49 | Organic Compounds - Aerosol Paint Products (12/20/95) | N |
| SIP Regulation 8, Rule 49 | Organic Compounds - Aerosol Paint Products (3/22/95) | Y |
| BAAQMD Regulation 8, Rule 51 | Organic Compounds - Adhesive and Sealant Products (7/17/02) | N |
| SIP Regulation 8, Rule 51 | Organic Compounds - Adhesive and Sealant Products (2/26/02) | Y |

# III. Generally Applicable Requirements

## Table III
## Generally Applicable Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) |
|---|---|---|
| BAAQMD Regulation 9, Rule 1 | Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95) | N |
| SIP Regulation 9, Rule 1 | Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99) | Y |
| BAAQMD Regulation 11, Rule 2 | Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98) | N |
| BAAQMD Regulation 12, Rule 4 | Miscellaneous Standards of Performance - Sandblasting (7/11/90) | N |
| SIP Regulation 12, Rule 4 | Miscellaneous Standards of Performance - Sandblasting (9/2/81) | Y |
| California Health and Safety Code Section 41750 et seq. | Portable Equipment | N |
| California Health and Safety Code Section 44300 et seq. | Air Toxics "Hot Spots" Information and Assessment Act of 1987 | N |
| California Health and Safety Code Title 17, Section 93115 | Airborne Toxic Control Measure for Stationary Compression Ignition Engines (9/9/05) | N |
| California Code of Regulations Title 17, Section 93116 | Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (2/9/05) | N |
| California Code of Regulations Title 17, Section 93114 | Airborne Toxic Control Measure to Reduce Particulate from Diesel Fueled Engines – Standards for Nonvehicular Diesel Fuel~~Engines~~ | N |
| California Code of Regulations Title 13, Section 2281 | Standards for Vehicular Diesel Fuel | N |
| 40 CFR Part 61, Subpart M | National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95) | Y |
| EPA Regulation 40 CFR 82 | Protection of Stratospheric Ozone (~~2/21/95~~4/13/05) | |
| Subpart F, 40 CFR 82.156 | ~~Leak Repair~~Recycling and Emissions Reductions – Required Practices | Y |
| Subpart F, 40 CFR 82.161 | Recycling and Emissions Reductions – Required Practices~~Certification of Technicians~~ – Technician Certification | Y |
| Subpart F, 40 CFR 82.166 | Recycling and Emissions Reductions – Required Practices – Reporting and Recordkeeping Requirements~~Records of Refrigerant~~ | Y |

# III. Generally Applicable Requirements

# IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is

http://yosemite.epa.gov/R9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions.

All other text may be found in the regulations themselves.

**Table IV - A**
**Source-specific Applicable Requirements**
~~S-4, STATIONARY IC ENGINE, PLT E1, LOCATION P&E~~
**S-5, STATIONARY IC ENGINE, PLT E2, LOCATION P&E, 1130 HP**
~~S-6, STATIONARY IC ENGINE, PLT E3, LOCATION P&E, 1130 HP~~
**S-7, STATIONARY IC ENGINE, PLT E5, LOCATION P&E, 2466 HP**
~~S-8, STATIONARY IC ENGINE, PLT E6, LOCATION P&E~~
**(All the above engines can be run on: digester gas, landfill gas, natural gas, diesel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6, Rule 1** | **Particulate Matter – General Requirements (12/05/07)~~Particulate Matter and Visible Emissions (12/19/90)~~** | | |
| 6-1-301 | Ringelmann Number 1 Limitations | N~~Y~~ | |
| 6-1-305 | Visible Particles | N~~Y~~ | |
| 6-1-310 | Particulate Emission Limitation (weight) | N~~Y~~ | |
| 6-1-401 | Appearance of Emissions | N~~Y~~ | |



Renewal date: _____

# IV. Source-specific Applicable Requirements

## Table IV - A
## Source-specific Applicable Requirements

~~S-4, STATIONARY IC ENGINE, PLT E1, LOCATION P&E~~
S-5, STATIONARY IC ENGINE, PLT E2, LOCATION P&E, 1130 HP
~~S-6, STATIONARY IC ENGINE, PLT E3, LOCATION P&E, 1130 HP~~
S-7, STATIONARY IC ENGINE, PLT E5, LOCATION P&E, 2466 HP
~~S-8, STATIONARY IC ENGINE, PLT E6, LOCATION P&E~~

**(All the above engines can be run on: digester gas, landfill gas, natural gas, diesel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| SIP Regulation 6 | Particulate Matter and Visible Emissions (9/4/98) | Y | |
| 6-301 | Ringelmann Number 1 Limitations | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Emission Limitation (weight) | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8 Rule 2** | **Organic Compounds, Miscellaneous Operations (7/20/2005)** | | |
| 8-2-301 | Miscellaneous Operations | Y | |
| **BAAQMD Regulation 8 Rule 34** | **Organic Compounds, Solid Waste Disposal Sites (06/15/2005)** | | |
| 8-34-301 | Landfill Gas Collection and Emission Control System Requirements | Y | |
| 8-34-501 | Operating Records | Y | |
| 8-34-503 | Landfill Gas Collection and Emission Control System Leak Testing | Y | |
| 8-34-504 | Portable Hydrocarbon Detector | Y | |
| 8-34-508 | Gas Flow Meter | Y | |
| 8-34-509 | Key Emission Control System Operating Parameter(s) | Y | |
| **BAAQMD Regulation 9, Rule 1** | **Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)** | | |
| 9-1-301 | Limitations on Ground Level Concentrations | Y | |
| 9-1-302 | General Emission Limitations | Y | |
| 9-1-304 | Fuel Burning (Liquid and Solid Fuels) | Y | |
| **SIP Regulation 9, Rule 8** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)** | | |
| 9-8-301 | Emission Limits – Fossil Derived Fuel Gas | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - A
## Source-specific Applicable Requirements

~~S-4, STATIONARY IC ENGINE, PLT E1, LOCATION P&E~~
S-5, STATIONARY IC ENGINE, PLT E2, LOCATION P&E, 1130 HP
~~S-6, STATIONARY IC ENGINE, PLT E3, LOCATION P&E, 1130 HP~~
S-7, STATIONARY IC ENGINE, PLT E5, LOCATION P&E, 2466 HP
~~S-8, STATIONARY IC ENGINE, PLT E6, LOCATION P&E~~

**(All the above engines can be run on: digester gas, landfill gas, natural gas, diesel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 9-8-301.2 | NOx emission limit for lean burn engines | Y | |
| 9-8-301.3 | CO emission limit | Y | |
| 9-8-302 | Emission Limits – Waste Derived Fuel Gas | Y | |
| 9-8-302.1 | NOx emission limit for lean burn engines | Y | |
| 9-8-302.3 | CO emission limit | Y | |
| **BAAQMD Regulation 9, Rule 8** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)** | | |
| 9-8-301 | Emission Limits – Fossil Derived Fuel Gas | N | |
| 9-8-301.2 | NOx emission limit for lean burn engines | N | ~~January 1, 2012~~ |
| 9-8-301.3 | CO emission limit | N | |
| 9-8-302 | Emission Limits – Waste Derived Fuel Gas | N | |
| 9-8-302.1 | NOx emission limit for lean burn engines | N | ~~January 1, 2012~~ |
| 9-8-302.3 | CO emission limit | N | |
| 9-8-306 | Requirements for Dual Fuel Pilot Compression-Ignited Engines | Y | |
| 9-8-501 | Initial Demonstration of Compliance | N | ~~January 1, 2012~~ |
| 9-8-502 | Recordkeeping | N | |
| 9-8-502.2 | Records of fuel usage | N | |
| 9-8-503 | Quarterly Demonstration of Compliance | N | |
| **40 CFR 63 Subpart ZZZZ** | **National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines** | | |
| 63.6585 | Applicability | Y | |
| 63.6585(a) | Applicable to stationary RICE | Y | |
| 63.6585(c) | Applicable to area source of HAPs | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - A
## Source-specific Applicable Requirements

~~S-4, STATIONARY IC ENGINE, PLT E1, LOCATION P&E~~
S-5, STATIONARY IC ENGINE, PLT E2, LOCATION P&E, 1130 HP
~~S-6, STATIONARY IC ENGINE, PLT E3, LOCATION P&E, 1130 HP~~
S-7, STATIONARY IC ENGINE, PLT E5, LOCATION P&E, 2466 HP
~~S-8, STATIONARY IC ENGINE, PLT E6, LOCATION P&E~~

**(All the above engines can be run on: digester gas, landfill gas, natural gas, diesel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.6590 | What parts of my plant does this subpart cover? | Y | |
| 63.6590(a)(1)(iii) | Existing stationary RICE at an area source of HAPs | Y | |
| 63.6595 | When do I have to comply with this subpart? | Y | |
| 63.6595(a)(1) | Comply with the applicable emission limitation and operating limitations no later than May 3, 2013 | Y | |
| 63.6603 | What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions? | Y | |
| When fired on digester gas, landfill gas or natural gas: 63.6603(a), Table 2d, part ~~8~~13 | Change oil and filter; inspect spark plugs, hoses, and belts | Y | |
| 63.6605 | What are my general requirements for complying with this subpart? | Y | |
| 63.6605(a) | Comply with the emission limitations and operating limitations at all times | Y | |
| 63.6605(b) | Safety and good air pollution control practices for minimizing emissions | Y | |
| ~~63.6612~~ | ~~By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing stationary RICE located at an area source of HAP emissions?~~ | ~~Y~~ | |
| ~~63.6612(a)~~ | ~~Initial Performance Test or Other Initial Compliance Demonstrations~~ | ~~Y~~ | |
| ~~63.6615~~ | ~~When must I conduct subsequent performance tests?~~ | ~~Y~~ | |

# IV. Source-specific Applicable Requirements

## Table IV - A
## Source-specific Applicable Requirements

**~~S-4, STATIONARY IC ENGINE, PLT E1, LOCATION P&E~~**
**S-5, STATIONARY IC ENGINE, PLT E2, LOCATION P&E, 1130 HP**
**~~S-6, STATIONARY IC ENGINE, PLT E3, LOCATION P&E, 1130 HP~~**
**S-7, STATIONARY IC ENGINE, PLT E5, LOCATION P&E, 2466 HP**
**~~S-8, STATIONARY IC ENGINE, PLT E6, LOCATION P&E~~**

**(All the above engines can be run on: digester gas, landfill gas, natural gas, diesel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| ~~63.6620~~ | ~~What performance tests and other procedures must I use?~~ | ~~Y~~ | |
| ~~63.6620 Table 4, part 1~~ | ~~Reduce CO Emission. Must measure the $O_2$ at the inlet and outlet of the control device using portable CO and $O_2$ analyzer~~ | ~~Y~~ | |
| ~~63.6625~~ | ~~What are my monitoring, installation, collection, operation, and maintenance requirements?~~ | ~~Y~~ | |
| ~~63.6625(a)~~ | ~~CEMS~~ | ~~Y~~ | |
| ~~63.6625(b)~~ | ~~CPMS~~ | ~~Y~~ | |
| 63.6625(e)(6) | Operate and maintain the stationary RICE | Y | |
| ~~63.6625(g)~~ | ~~Operate and maintain crankcase~~ | ~~Y~~ | |
| 63.6625(h) | Minimize idling | Y | |
| ~~63.6630~~ | ~~How do I demonstrate initial compliance with the emission limitations, operating limitations, and other requirements?~~ | ~~Y~~ | |
| ~~63.6630(a) Table 5, part 1 or part 2~~ | ~~How to demonstrate initial compliance with emission limitations, operating limitations, and other requirements~~ | ~~Y~~ | |
| ~~63.6635~~ | ~~How do I monitor and collect data to demonstrate continuous compliance?~~ | ~~Y~~ | |
| ~~63.6640~~ | ~~How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?~~ | ~~Y~~ | |
| ~~63.6640(a) Table 6, part 10 or part 11~~ | ~~How to demonstrate continuous compliance with emission limitations, and other requirements~~ | ~~Y~~ | |
| 63.6645 | What notifications must I submit and when? | Y | |
| 63.6645(a)(2) | Submit notification in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply | Y | |
| 63.6650 | What reports must I submit and when? | Y | |
| 63.6650(a), Table 7, part 1 | Compliance Reports for existing 4SLB stationary RICE >500HP | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - A
## Source-specific Applicable Requirements

~~S-4, STATIONARY IC ENGINE, PLT E1, LOCATION P&E~~
S-5, STATIONARY IC ENGINE, PLT E2, LOCATION P&E, 1130 HP
~~S-6, STATIONARY IC ENGINE, PLT E3, LOCATION P&E, 1130 HP~~
S-7, STATIONARY IC ENGINE, PLT E5, LOCATION P&E, 2466 HP
~~S-8, STATIONARY IC ENGINE, PLT E6, LOCATION P&E~~

**(All the above engines can be run on: digester gas, landfill gas, natural gas, diesel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.6655 | What records must I keep? | Y | |
| 63.6660 | In what form and how long must I keep my records? | Y | |
| 63.6675 | What definitions apply to this subpart? (spark ignition engine definition) | Y | |
| **BAAQMD Condition # 17898** | **Operating Requirements** | | |
| Part 1 | Allowable fuel specifications (Cumulative Increase) | Y | |
| Part 2 | NOx emission limit (Cumulative Increase~~9-8-301.2, 302.1~~) | Y | |
| Part 3 | CO limit (Cumulative Increase~~9-8-301.3, 9-8-302.3~~) | Y | |
| Part 4a | NMHC emission limits – Abatement Efficiency (8-34-301.4) | Y | |
| Part 4b | NMHC emission limits – Digester Gas Combustion Exhaust limit (Cumulative Increase) | Y | |
| Part 5 | Thermal Capacity Limitation (Cumulative Increase) | Y | |
| Part 6 | Sulfur content limit and vendor certification requirement (2-6-409.2, 2-6-501) | Y | |
| Part 7 | Prohibition of landfill gas venting (8-34-301) | Y | |
| Part 8 | Monitoring equipment (8-34-508) | Y | |
| Part 9a | Key Operating Parameters – Measure Cylinder Exhaust Temperature (8-34-509) | Y | |
| Part 9b | Key Operating Parameters – Cylinder Exhaust Temperature Limit (8-34-509) | Y | |
| Part 9c | Key Operating Parameters – Records of Cylinder Exhaust Temperature (8-34-509) | Y | |
| Part 10b | Performance Testing to Demonstrate Compliance – Ongoing Compliance Testing (2-6-409.2) | Y | |
| Part 10c | Performance Testing to Demonstrate Compliance – NMHC Emissions Testing to Demonstrate Compliance (2-6-409.2) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - A
## Source-specific Applicable Requirements

~~S-4, STATIONARY IC ENGINE, PLT E1, LOCATION P&E~~
**S-5, STATIONARY IC ENGINE, PLT E2, LOCATION P&E, 1130 HP**
~~S-6, STATIONARY IC ENGINE, PLT E3, LOCATION P&E, 1130 HP~~
**S-7, STATIONARY IC ENGINE, PLT E5, LOCATION P&E, 2466 HP**
~~S-8, STATIONARY IC ENGINE, PLT E6, LOCATION P&E~~

**(All the above engines can be run on: digester gas, landfill gas, natural gas, diesel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part 11 | Recordkeeping (2-6-409.2) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - B
## Source-specific Applicable Requirements
### S-9, Stationary Internal Combustion Engine, 4SLB, Plt A3, Location SBB, 2345 HP
### S-10, Stationary Internal Combustion Engine, 4SLB, Plt A2, Location SBB, 2345 HP
### S-11, Stationary Internal Combustion Engine, 4SLB, Plt A1, Location SBB, 2345 HP
### S-12, Stationary Internal Combustion Engine, 4SLB, Plt B1, Location SBB, 1855 HP
### S-13, Stationary Internal Combustion Engine, 4SLB, Plt B2, Location SBB, 1855 HP
### S-14, Stationary Internal Combustion Engine, 4SLB, Plt B3, Location SBB, 1855 HP

**(All of the above engines ~~are~~ can be run on: digester gas, landfill gas, and natural gas)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| BAAQMD Regulation 6, Rule 1~~BAAQMD Regulation 6~~ | Particulate Matter – General Requirements (12/05/07)~~Particulate Matter and Visible Emissions (12/19/90)~~ | | |
| 6-1-301 | Ringelmann Number 1 Limitations | ~~Y~~N | |
| 6-1-305 | Visible Particles | N~~Y~~ | |
| 6-1-310 | Particulate Emission Limitation (weight) | N~~Y~~ | |
| 6-1-401 | Appearance of Emissions | N~~Y~~ | |
| SIP Regulation 6 | Particulate Matter and Visible Emissions (09/04/98) | | |
| 6-301 | Ringelmann Number 1 Limitations | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Emission Limitation (weight) | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8 Rule 2** | **Organic Compounds, Miscellaneous Operations (7/20/2005)** | | |
| 8-2-301 | Miscellaneous Operations | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - B
## Source-specific Applicable Requirements

**S-9, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT A3, LOCATION SBB, 2345 HP**

**S-10, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT A2, LOCATION SBB, 2345 HP**

**S-11, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT A1, LOCATION SBB, 2345 HP**

**S-12, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT B1, LOCATION SBB, 1855 HP**

**S-13, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT B2, LOCATION SBB, 1855 HP**

**S-14, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT B3, LOCATION SBB, 1855 HP**

**(All of the above engines ~~are~~ can be run on: digester gas, landfill gas, and natural gas)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8 Rule 34** | **Organic Compounds, Solid Waste Disposal Sites (06/15/2005)** | | |
| 8-34-301 | Landfill Gas Collection and Emission Control System Requirements | Y | |
| 8-34-501 | Operating Records | Y | |
| 8-34-503 | Landfill Gas Collection and Emission Control System Leak Testing | Y | |
| 8-34-504 | Portable Hydrocarbon Detector | Y | |
| 8-34-508 | Gas Flow Meter | Y | |
| 8-34-509 | Key Emission Control System Operating Parameter(s) | Y | |
| **BAAQMD Regulation 9, Rule 1** | **Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)** | | |
| 9-1-301 | Limitations on Ground Level Concentrations | Y | |
| 9-1-302 | General Emission Limitations | Y | |
| **SIP Regulation 9, Rule 8** | **Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)** | | |
| 9-8-301 | Emissions Limits – Fossil Derived fuel Gas | Y | |
| 9-8-301.2 | NOx emission limit for lean burn engines | Y | |
| 9-8-301.3 | CO emission limit | Y | |
| 9-8-302 | Emission Limits – Waste Derived Fuel Gas | Y | |
| 9-8-302.1 | NOx emission limit for lean burn engines | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - B
## Source-specific Applicable Requirements

**S-9, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT A3, LOCATION SBB, 2345 HP**

**S-10, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT A2, LOCATION SBB, 2345 HP**

**S-11, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT A1, LOCATION SBB, 2345 HP**

**S-12, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT B1, LOCATION SBB, 1855 HP**

**S-13, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT B2, LOCATION SBB, 1855 HP**

**S-14, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT B3, LOCATION SBB, 1855 HP**

**(All of the above engines ~~are~~ can be run on: digester gas, landfill gas, and natural gas)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 9-8-302.3 | CO emission limit | Y | |
| **BAAQMD Regulation 9, Rule 8** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)** | | |
| 9-8-301 | Emission Limits – Fossil Derived Fuel Gas | N | |
| 9-8-301.2 | NOx emission limit for lean burn engines | N | ~~January 1, 2012~~ |
| 9-8-301.3 | CO emission limit | N | |
| 9-8-302 | Emission Limits – Waste Derived Fuel Gas | N | |
| 9-8-302.1 | NOx emission limit for lean burn engines | N | ~~January 1, 2012~~ |
| 9-8-302.3 | CO emission limit | N | |
| 9-8-501 | Initial Demonstration of Compliance | N | ~~January 1, 2012~~ |
| ~~9-8-502~~ | ~~Recordkeeping~~ | ~~N~~ | |
| 9-8-503 | Quarterly Demonstration of Compliance | N | |
| **40 CFR 63 Subpart ZZZZ** | **National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines** | | |
| 63.6585 | Applicability | Y | |
| 63.6585(a) | Applicable to stationary RICE | Y | |

# IV. Source-specific Applicable Requirements

**Table IV - B**
**Source-specific Applicable Requirements**
**S-9, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT A3, LOCATION SBB, 2345 HP**
**S-10, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT A2, LOCATION SBB, 2345 HP**
**S-11, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT A1, LOCATION SBB, 2345 HP**
**S-12, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT B1, LOCATION SBB, 1855 HP**
**S-13, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT B2, LOCATION SBB, 1855 HP**
**S-14, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT B3, LOCATION SBB, 1855 HP**
**(All of the above engines ~~are~~ can be run on: digester gas, landfill gas, and natural gas)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.6585(c) | Applicable to area source of HAPs | Y | |
| 63.6590 | What parts of my plant does this subpart cover? | Y | |
| 63.6590(a)(1)(iii) | Existing stationary RICE at an area source of HAPs | Y | |
| 63.6595 | When do I have to comply with this subpart? | Y | |
| 63.6595(a)(1) | Comply with the applicable emission limitation and operating limitations no later than May 3, 2013 | Y | ~~10/19/13~~ |
| 63.6603 | What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions? | Y | ~~10/19/13~~ |
| 63.6603 Table 2d, part ~~8~~13 | Change oil and filter; inspect spark plugs, hoses, and belts | Y | ~~10/19/13~~ |
| 63.6605 | What are my general requirements for complying with this subpart? | Y | |
| 63.6605(a) | Comply with the emission limitations and operating limitations at all times | Y | |
| 63.6605(b) | Safety and good air pollution control practices for minimizing emissions | Y | |
| 63.6625 | What are my monitoring, installation, collection, operation, and maintenance requirements? | Y | |
| 63.6625(e) | Operate and maintain the stationary RICE | Y | |
| 63.6625(h) | Minimize idling | Y | |
| 63.6625(j) | Oil analysis program | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - B
## Source-specific Applicable Requirements
### S-9, Stationary Internal Combustion Engine, 4SLB, Plt A3, Location SBB, 2345 HP
### S-10, Stationary Internal Combustion Engine, 4SLB, Plt A2, Location SBB, 2345 HP
### S-11, Stationary Internal Combustion Engine, 4SLB, Plt A1, Location SBB, 2345 HP
### S-12, Stationary Internal Combustion Engine, 4SLB, Plt B1, Location SBB, 1855 HP
### S-13, Stationary Internal Combustion Engine, 4SLB, Plt B2, Location SBB, 1855 HP
### S-14, Stationary Internal Combustion Engine, 4SLB, Plt B3, Location SBB, 1855 HP

**(All of the above engines ~~are~~ can be run on: digester gas, landfill gas, and natural gas)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.6640 | How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements? | Y | |
| ~~63.6640(a) Table 6, part 10 or part 11~~ | ~~How to demonstrate continuous compliance with emission limitations, and other requirements~~ | ~~Y~~ | |
| 63.6655 | What records must I keep? | Y | |
| 63.6660 | In what form and how long must I keep my records? | Y | |
| **BAAQMD Condition # 17899** | **Operating Requirements** | | |
| Part 1 | Allowable fuel specifications (Cumulative Increase) | Y | |
| Part 2 | NOx emission limit (Cumulative Increase~~9-8-301.2, 302.1~~) | Y | |
| Part 3 | CO limit (Cumulative Increase~~9-8-301.3, 9-8-302.3~~) | Y | |
| Part 4a | NMHC emission limits – Abatement Efficiency (8-34-301.4) | Y | |
| Part 4b | NMHC emission limits – Digester Gas Combustion Exhaust limit (Cumulative Increase) | Y | |
| Part 5 | Thermal Capacity Limitation (Cumulative Increase) | Y | |
| Part 6 | Prohibition of landfill gas venting (8-34-301) | Y | |
| Part 7 | Monitoring equipment (8-34-508) | Y | |
| Part 8a | Key Operating Parameters – Measure Cylinder Exhaust Temperature (8-34-509) | Y | |

# IV. Source-specific Applicable Requirements

**Table IV - B**
**Source-specific Applicable Requirements**
**S-9, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT A3, LOCATION SBB, 2345 HP**
**S-10, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT A2, LOCATION SBB, 2345 HP**
**S-11, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT A1, LOCATION SBB, 2345 HP**
**S-12, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT B1, LOCATION SBB, 1855 HP**
**S-13, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT B2, LOCATION SBB, 1855 HP**
**S-14, STATIONARY INTERNAL COMBUSTION ENGINE, 4SLB, PLT B3, LOCATION SBB, 1855 HP**
**(All of the above engines ~~are~~ can be run on: digester gas, landfill gas, and natural gas)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part 8b | Key Operating Parameters – Cylinder Exhaust Temperature Limit (8-34-509) | Y | |
| Part 8c | Key Operating Parameters – Records of Cylinder Exhaust Temperature (8-34-509) | Y | |
| Part 9b | Performance Testing to Demonstrate Compliance – Ongoing Compliance Testing (2-6-409.2) | Y | |
| Part 9c | Performance Testing to Demonstrate Compliance – NMHC Emissions Testing to Demonstrate Compliance (2-6-409.2) | Y | |
| Part 10 | Recordkeeping (2-6-409.2) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - C
## Source-specific Applicable Requirements
## S-15, PAINT SPRAY BOOTH
## S-16, PAINT STAGING BUILDING

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8, Rule 1** | **Organic Compounds – General Solvent and Surface Coating Operations (6/15/945/15/96)** | | |
| 8-1-320 | Storage and Disposal of Solvent Impregnated Cloth or Paper | Y | |
| 8-1-321 | Closed Containers for Spent or Fresh Organic Solvents | Y | |
| 8-1-322 | Spray Equipment Clean-up Limitation | Y | |
| **BAAQMD Regulation 8, Rule 19** | **Organic Compounds – Surface Coating of Miscellaneous Metal Parts and Products (10/16/02)** | | |
| 8-19-302 | Coating VOC Limits | Y | |
| 8-19-307 | Prohibition of Specification | Y | |
| 8-19-312 | Specialty Coating VOC Limits | Y | |
| 8-19-313 | Spray Application Equipment Limitations | Y | |
| 8-19-313.1 | HVLP Spray; or | Y | |
| 8-19-313.2 | Electrostatic Spray; or | Y | |
| 8-19-313.3 | Detailing Gun; or | Y | |
| 8-19-313.4 | Other Method Approved in Writing by the APCO | Y | |
| 8-19-320 | Solvent Evaporative Loss Minimization | Y | |
| 8-19-320.1 | Storage and Disposal of Solvent Impregnated Cloth or Paper | Y | |
| 8-19-320.2 | No Organic Compounds for Cleanup of Spray Equipment Unless Controls are Used | Y | |
| 8-19-320.3 | Closed Containers for Coatings or Solvents Not in Use | Y | |
| 8-19-321 | Surface Preparation Standards | Y | |
| 8-19-501 | Records | Y | |
| 8-19-501.1 | Maintain Data Necessary to Evaluate Compliance | Y | |
| 8-19-501.2 | Weekly Coating Usage Records | Y | |
| 8-19-501.4 | Monthly Cleaning Solvent Records | Y | |
| 8-19-501.5 | Records Retention | Y | |
| **BAAQMD Condition # 17737** | **Operating Requirements** | | |
| Part 1 | Coating and primer usage limit (Cumulative Increase) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - C
## Source-specific Applicable Requirements
## S-15, PAINT SPRAY BOOTH
## S-16, PAINT STAGING BUILDING

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part 2 | Cleanup solvent usage limit (Cumulative Increase) | Y | |
| Part 3 | Recordkeeping (2-6-409.2) | Y | |

## Table IV - D
## Source-specific Applicable Requirements
## S-26, GASOLINE DISPENSING ISLAND, G#6770

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 8 Rule 7** | **Organic Compounds - Gasoline Dispensing Facilities (11/6/02)** | | |
| 8-7-301 | Phase I Requirements | Y | |
| 8-7-302 | Phase II Requirements | Y | |
| 8-7-303 | Topping Off | Y | |
| 8-7-304 | Certification Requirements | Y | |
| 8-7-306 | Prohibition of Use | Y | |
| 8-7-307 | Posting of Operating Instructions | Y | |
| 8-7-308 | Operating Practices | Y | |
| 8-7-309 | Contingent Vapor Recovery Requirements | Y | |
| 8-7-313 | Requirements for New or Modified Phase II Installations | Y | |
| 8-7-314 | Hold Open Latch Requirements | Y | |
| 8-7-315 | Pressure Vacuum Valve Requirements, Underground Tanks | Y | |
| 8-7-502 | Right of Access | Y | |
| 8-7-503 | Record Keeping Requirements | Y | |
| **Condition # 17738** | **Operating Requirements** | | |
| Part 1 | Annual (12 month) throughput limitation (cumulative increase) | ~~N~~Y | |
| Part 2 | Gasoline throughput monitoring (2-6-409.2) | N | |

# IV. Source-specific Applicable Requirements

## Table IV - D
## Source-specific Applicable Requirements
## S-26, GASOLINE DISPENSING ISLAND, G#6770

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **Condition # 18680** | **Phil Tite EVR Phase 1 Vapor Recovery System** | | |
| Part 1 | Shall be maintained in accordance with most recent CARB EO VR-101 | N | |
| Part 2 | Testing required every 36-month period to comply with VR-101 | N | |
| **Condition # 24298** | **VST EVR Phase II Vapor Recovery System** | | |
| Part 1 | Shall be maintained in accordance with most recent CARB EO VR-203 | N | |
| Part 2 | Records | N | |
| Part 2a | Monthly throughput of gasoline summarized on annual basis | N | |
| Part 3 | Leak free (Regulation 8-7-203) and vapor tight (Regulation 8-7-206) | Y | |
| Part 4 | Yearly testing in accordance with CARB EO VR-203 | N | |
| Part 4a | Static Pressure Performance Test – TP-201.3 | N | |
| Part 4b | Dynamic Back Pressure Test – TP-201.4 | N | |
| Part 4c | Liquid Removal Test – EO VR-203, Exhibit 5 | N | |
| Part 4d | Vapor Pressure Sensor Verification Test – EO VR-203, Exhibit 8 | N | |
| Part 4e | Veeder-Root Vapor Polisher Operability Test - EO VR-203, Exhibit 11 | N | |
| Part 4f | Veeder-Root Vapor Polisher Emissiones Test - EO VR-203, Exhibit 12 | N | |
| Part 5 | Source Test Requirements | Y | |
| Part 6 | Maximum length of coaxial hose assembly is 15 feet | N | |
| Part 7 | Dispensing rate between six and ten gallons per minute | N | |
| Part 8 | TLS console equipped with printer and have an open RS232 port | N | |
| Part 9 | Veeder-Root Vapor Polisher shall be on and in automatic vapor processor mode | N | |
| Part 10 | Maintain OSHA-apporved access to Veeder-Root Vapor Polisher | N | |
| Part 11 | Security tags installed and maintained on Veeder-Root Vapor Polisher | N | |
| Part 12 | Each storage tank to be equipped with CARB certified pressure/vacuum relief valve | N | |

# IV. Source-specific Applicable Requirements

## Table IV - E
## Source-specific Applicable Requirements
### S-36, ENGINE GENERATOR 2 – COGEN UNIT, 4SLB, PLT EG-2, 3900 HP
### S-37, ENGINE GENERATOR 3 – COGEN UNIT, 4SLB, PLT EG-3, 3900 HP
**(The above engines can be run on: digester gas, landfill gas, and natural gas only)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| BAAQMD Regulation 6, Rule 1~~BAAQMD Regulation 6~~ | Particulate Matter – General Requirements (12/05/07)~~Particulate Matter and Visible Emissions (12/19/90)~~ | | |
| 6-1-301 | Ringelmann Number 1 Limitations | N~~Y~~ | |
| 6-1-305 | Visible Particles | N~~Y~~ | |
| 6-1-310 | Particulate Emission Limitation (weight) | N~~Y~~ | |
| 6-1-401 | Appearance of Emissions | N~~Y~~ | |
| SIP Regulation 6 | Particulate Matter and Visible Emissions (09/04/98) | | |
| 6-301 | Ringelmann Number 1 Limitations | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Emission Limitation (weight) | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8 Rule 2** | **Organic Compounds, Miscellaneous Operations (7/20/2005)** | | |
| 8-2-301 | Miscellaneous Operations | Y | |
| **BAAQMD Regulation 8 Rule 34** | **Organic Compounds, Solid Waste Disposal Sites (06/15/2005)** | | |
| 8-34-301 | Landfill Gas Collection and Emission Control System Requirements | Y | |
| 8-34-501 | Operating Records | Y | |
| 8-34-503 | Landfill Gas Collection and Emission Control System Leak Testing | Y | |
| 8-34-504 | Portable Hydrocarbon Detector | Y | |
| 8-34-508 | Gas Flow Meter | Y | |
| 8-34-509 | Key Emission Control System Operating Parameter(s) | Y | |
| **BAAQMD Regulation 9, Rule 1** | **Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)** | | |
| 9-1-301 | Limitations on Ground Level Concentrations | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - E
## Source-specific Applicable Requirements
### S-36, ENGINE GENERATOR 2 – COGEN UNIT, 4SLB, PLT EG-2, 3900 HP
### S-37, ENGINE GENERATOR 3 – COGEN UNIT, 4SLB, PLT EG-3, 3900 HP
**(The above engines can be run on: digester gas, landfill gas, and natural gas only)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 9-1-302 | General Emission Limitations | Y | |
| **SIP Regulation 9, Rule 8** | **Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)** | | |
| 9-8-301 | Emissions Limits – Fossil Derived fuel Gas | Y | |
| 9-8-301.2 | NOx emission limit for lean burn engines | Y | |
| 9-8-301.3 | CO emission limit | Y | |
| 9-8-302 | Emission Limits – Waste Derived Fuel Gas | Y | |
| 9-8-302.1 | NOx emission limit for lean burn engines | Y | |
| 9-8-302.3 | CO emission limit | Y | |
| **BAAQMD Regulation 9, Rule 8** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)** | | |
| 9-8-301 | Emission Limits – Fossil Derived Fuel Gas | N | |
| 9-8-301.2 | NOx emission limit for lean burn engines | N | ~~January 1, 2012~~ |
| 9-8-301.3 | CO emission limit | N | |
| 9-8-302 | Emission Limits – Waste Derived Fuel Gas | N | |
| 9-8-302.1 | NOx emission limit for lean burn engines | N | ~~January 1, 2012~~ |
| 9-8-302.3 | CO emission limit | N | |
| 9-8-501 | Initial Demonstration of Compliance | N | ~~January 1, 2012~~ |
| ~~9-8-502~~ | ~~Recordkeeping~~ | ~~N~~ | |
| 9-8-503 | Quarterly Demonstration of Compliance | N | |
| **40 CFR 63 Subpart ZZZZ** | **National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines** | | |
| 63.6585 | Applicability | Y | |
| 63.6585(a) | Applicable to stationary RICE | Y | |
| 63.6585(c) | Applicable to area source of HAPs | Y | |
| 63.6590 | What parts of my plant does this subpart cover? | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - E
## Source-specific Applicable Requirements
### S-36, ENGINE GENERATOR 2 – COGEN UNIT, 4SLB, PLT EG-2, 3900 HP
### S-37, ENGINE GENERATOR 3 – COGEN UNIT, 4SLB, PLT EG-3, 3900 HP
**(The above engines can be run on: digester gas, landfill gas, and natural gas only)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.6590(a)(1)(iii) | Existing stationary RICE at an area source of HAPs | Y | |
| 63.6595 | When do I have to comply with this subpart? | Y | |
| 63.6595(a)(1) | Comply with the applicable emission limitation and operating limitations no later than May 3, 2013 | Y | ~~10/19/13~~ |
| 63.6603 | What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions? | Y | ~~10/19/13~~ |
| 63.6603 Table 2d, part ~~8~~13 | Change oil and filter; inspect spark plugs, hoses, and belts | Y | ~~10/19/13~~ |
| 63.6605 | What are my general requirements for complying with this subpart? | Y | |
| 63.6605(a) | Comply with the emission limitations and operating limitations at all times | Y | |
| 63.6605(b) | Safety and good air pollution control practices for minimizing emissions | Y | |
| 63.6625 | What are my monitoring, installation, collection, operation, and maintenance requirements? | Y | |
| 63.6625(e) | Operate and maintain the stationary RICE | Y | |
| 63.6625(h) | Minimize idling | Y | |
| 63.6625(j) | Oil analysis program | Y | |
| 63.6640 | How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements? | Y | |
| ~~63.6640(a) Table 6, part 10 or part 11~~ | ~~How to demonstrate continuous compliance with emission limitations, and other requirements~~ | ~~Y~~ | |
| 63.6655 | What records must I keep? | Y | |
| 63.6660 | In what form and how long must I keep my records? | Y | |
| **BAAQMD Condition 17900** | **Operating Requirements** | | |
| Part 1 | Allowable fuel specifications (Cumulative Increase) | Y | |
| Part 2 | NOx Emissions limitations (BACT) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - E
## Source-specific Applicable Requirements
## S-36, ENGINE GENERATOR 2 – COGEN UNIT, 4SLB, PLT EG-2, 3900 HP
## S-37, ENGINE GENERATOR 3 – COGEN UNIT, 4SLB, PLT EG-3, 3900 HP
**(The above engines can be run on: digester gas, landfill gas, and natural gas only)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part 3 | Daily CO Emissions, per engine (Cumulative Increase) | Y | |
| Part 4 | TSP Emissions, per engine (Cumulative Increase) | Y | |
| Part 5a | Daily NMHC Emissions, per engine (Cumulative Increase) | Y | |
| Part 5b | Landfill Gas Combustion Operations (8-34-301.4) | Y | |
| Part 6 | ~~Hourly~~ Daily Thermal Throughput Limitations (Cumulative Increase) | Y | |
| Part 7 | Prohibition of landfill gas venting (8-34-301) | Y | |
| Part 8 | Monitoring Equipment (8-34-508) | Y | |
| Part 9a | Key Operating Parameters – Measure Cylinder Exhaust Temperature (8-34-509) | Y | |
| Part 9b | Key Operating Parameters – Cylinder Exhaust Temperature Limit (8-34-509) | Y | |
| Part 9c | Key Operating Parameters – Records of Cylinder Exhaust Temperature (8-34-509) | Y | |
| Part 10b | Performance Testing to Demonstrate Compliance – Ongoing Compliance Testing (2-6-409.2) | Y | |
| Part 10c | Performance Testing to Demonstrate Compliance – NMHC Emissions Testing to Demonstrate Compliance (2-6-409.2) | Y | |
| Part 16 | Daily NOx Emissions Limitations, S-36 – S-39 (Cumulative Increase) | Y | |
| Part 17 | Daily $SO_2$ Limitations, S-36 – S-39 (Cumulative Increase) | Y | |
| Part 18 | Recordkeeping (2-6-409.2) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - F
## Source-specific Applicable Requirements
## S-38, COMMERCIAL BOILER, 12.5 MM BTU/HR
## S-39, COMMERCIAL BOILER, 12.5 MM BTU/HR

**(The above equipment can be run on~~: digester gas and~~ natural gas only)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6, Rule 1~~BAAQMD Regulation 6~~** | **Particulate Matter – General Requirements (12/05/07)~~Particulate Matter and Visible Emissions (12/19/90)~~** | | |
| 6-1-301 | Ringelmann Number 1 Limitations | N~~Y~~ | |
| 6-1-305 | Visible Particles | N~~Y~~ | |
| 6-1-310 | Particulate Emission Limitation (weight) | N~~Y~~ | |
| 6-1-310.3 | Particulate Emission Limitation – Heat Transfer Operation | N~~Y~~ | |
| 6-1-401 | Appearance of Emissions | N~~Y~~ | |
| **SIP Regulation 6** | **Particulate Matter and Visible Emissions (09/04/98)** | | |
| 6-301 | Ringelmann Number 1 Limitations | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Emission Limitation (weight) | Y | |
| 6-310.3 | Particulate Emission Limitation – Heat Transfer Operation | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8, Rule 2** | **Organic Compounds, Miscellaneous Operations (07/20/05)** | | |
| 8-2-301 | Limitations on Total Carbon Emissions | Y | |
| **BAAQMD Regulation 9 Rule 1** | **Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)** | | |
| 9-1-301 | Limitations on Ground Level Concentrations | Y | |
| 9-1-302 | General Emission Limitation | Y | |
| **BAAQMD Regulation 9, Rule 7** | **Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)~~(9/16/92)~~** | | |

# IV. Source-specific Applicable Requirements

## Table IV - F
## Source-specific Applicable Requirements
## S-38, COMMERCIAL BOILER, 12.5 MM BTU/HR
## S-39, COMMERCIAL BOILER, 12.5 MM BTU/HR

**(The above equipment can be run on~~: digester gas and~~ natural gas only)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| ~~9-7-301~~ | ~~Emission Limits – Gaseous Fuels~~ | ~~Y~~ | |
| ~~9-7-301.1~~ | ~~Performance Standard, NOx~~ | | |
| ~~9-7-301.2~~ | ~~Performance Standard, CO~~ | | |
| 9-7-307 | Final Emission Limits | N | |
| 9-7-3071~~.1~~ 7~~.9~~3 | Final Emission Limits | N | |
| 9-7-503 | Records | Y | |
| 9-7-503.4 | Source Test Records and Record Retention | Y | |
| 9-7-506 | Periodic Testing | Y | |
| 9-7-603 | Compliance Determination – Source Testing | Y | |
| **SIP Regulation 9, Rule 7** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/97)** | | |
| 9-7-301 | Emission Limits - Gaseous Fuel | Y | |
| 9-7-301.1 | NOx | Y | |
| 9-7-301.2 | CO | Y | |
| **BAAQMD Condition 17900** | **Operating Requirements** | | |
| Part 11 | Allowable fuel specifications (Cumulative Increase) | Y | |
| Part 14 | Flowmeters (2-6-409.2) | Y | |
| Part 15 | Thermal Capacity Limitations | Y | |
| Part 16 | Daily NOx Emissions Limitations, S-36 – S-39 (Cumulative Increase) | Y | |
| Part 17 | Daily $SO_2$ Limitations, S-36 – S-39 (Cumulative Increase) | Y | |
| Part 18 | Recordkeeping (2-6-409.2) | Y | |
| Part 19 | Source Testing (9-7-301, 2-6-409.2) | Y | |
| Part 20 | Obtaining approval of source test procedures (9-7-301) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - G
## Source-specific Applicable Requirements
## S-52, SANDBLAST OPERATIONS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| ~~BAAQMD Regulation 6, Rule 1~~BAAQMD Regulation 6 | ~~Particulate Matter – General Requirements (12/05/07)~~Particulate matter and Visible Emissions (12/19/90) | | |
| ~~6-1-301~~ | ~~Ringelmann No. 1 Limitation~~ | ~~NY~~ | |
| ~~6-1-305~~ | ~~Visible Particles~~ | ~~NY~~ | |
| ~~6-1-310~~ | ~~Particulate Weight Limitation~~ | ~~NY~~ | |
| ~~6-1-311~~ | ~~General Operations~~ | ~~NY~~ | |
| ~~6-1-401~~ | ~~Appearance of Emissions~~ | ~~NY~~ | |
| ~~SIP Regulation 6~~ | ~~Particulate Matter and Visible Emissions (09/04/98)~~ | | |
| ~~6-301~~ | ~~Ringelmann No. 1 Limitation~~ | ~~Y~~ | |
| ~~6-305~~ | ~~Visible Particles~~ | ~~Y~~ | |
| ~~6-310~~ | ~~Particulate Weight Limitation~~ | ~~Y~~ | |
| ~~6-311~~ | ~~General Operations~~ | ~~Y~~ | |
| ~~6-401~~ | ~~Appearance of Emissions~~ | ~~Y~~ | |
| BAAQMD Regulation 12, Rule 4 | Miscellaneous Standards of Performance – Sandblasting (7/11/90) | | |
| 12-4-301 | Ringelmann No. 1 Limitation | Y | |
| 12-4-305 | Performance Standards for Abrasives | Y | |
| 12-4-306 | Certification of Abrasives | Y | |
| **BAAQMD Condition #9055** | **Operating Requirements** | | |
| Part 1 | Abrasive throughput limitation (Cumulative Increase) | Y | |
| Part 2 | ~~Recordkeeping (~~Recordkeeping (2-6-409.2) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV – H
## Source-specific Applicable Requirements
## S-54, ENGINE GENERATOR, 12 CYLINDER TURBOCHARGED LSVB, PLT EG-1, 3900 HP
**(The above engines can be run on: digester gas landfill gas, natural gas, and diesel fuel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **SIP Regulation 1BAAQMD Regulation 6** | **General Provisions and Definitions (6/28/99)Particulate Matter and Visible Emissions (12/19/90)** | | |
| 6-1-301 | Ringelmann Number 1 Limitations | NY | |
| 6-1-305 | Visible Particles | NY | |
| 6-1-310 | Particulate Emission Limitation (weight) | NY | |
| 6-1-401 | Appearance of Emissions | NY | |
| **SIP Regulation 6** | **Particulate Matter and Visible Emissions (09/04/98)** | | |
| 6-301 | Ringelmann Number 1 Limitations | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Emission Limitation (weight) | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 8 Rule 2** | **Organic Compounds, Miscellaneous Operations (7/20/2005)** | | |
| 8-2-301 | Miscellaneous Operations | Y | |
| **BAAQMD Regulation 8 Rule 34** | **Organic Compounds, Solid Waste Disposal Sites (06/15/2005)** | | |
| 8-34-301 | Landfill Gas Collection and Emission Control System Requirements | Y | |
| 8-34-501 | Operating Records | Y | |
| 8-34-503 | Landfill Gas Collection and Emission Control System Leak Testing | Y | |
| 8-34-504 | Portable Hydrocarbon Detector | Y | |
| 8-34-508 | Gas Flow Meter | Y | |
| 8-34-509 | Key Emission Control System Operating Parameter(s) | Y | |
| **BAAQMD Regulation 9, Rule 1** | **Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)** | | |

# IV. Source-specific Applicable Requirements

## Table IV – H
## Source-specific Applicable Requirements
## S-54, ENGINE GENERATOR, 12 CYLINDER TURBOCHARGED LSVB, PLT EG-1, 3900 HP
**(The above engines can be run on: digester gas landfill gas, natural gas, and diesel fuel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 9-1-301 | Limitations on Ground Level Concentrations | Y | |
| 9-1-302 | General Emission Limitations | Y | |
| 9-1-304 | Fuel Burning (Liquid and Solid Fuels) | Y | |
| **SIP Regulation 9, Rule 8** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)** | | |
| 9-8-301 | Emission Limits – Fossil Derived Fuel Gas | Y | |
| 9-8-301.2 | NOx emission limit for lean burn engines | Y | |
| 9-8-301.3 | CO emission limit | Y | |
| 9-8-302 | Emission Limits – Waste Derived Fuel Gas | Y | |
| 9-8-302.1 | NOx emission limit for lean burn engines | Y | |
| 9-8-302.3 | CO emission limit | Y | |
| **BAAQMD Regulation 9, Rule 8** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)** | | |
| 9-8-301 | Emission Limits – Fossil Derived Fuel Gas | N | |
| 9-8-301.2 | NOx emission limit for lean burn engines | N | ~~January 1, 2012~~ |
| 9-8-301.3 | CO emission limit | N | |
| 9-8-302 | Emission Limits – Waste Derived Fuel Gas | N | |
| 9-8-302.1 | NOx emission limit for lean burn engines | N | ~~January 1, 2012~~ |
| 9-8-302.3 | CO emission limit | N | |
| 9-8-306 | Requirements for Dual Fuel Pilot Compression-Ignited Engines | Y | |
| 9-8-501 | Initial Demonstration of Compliance | N | ~~January 1, 2012~~ |
| 9-8-502 | Recordkeeping | N | |
| 9-8-502.2 | Records of fuel usage | N | |
| 9-8-503 | Quarterly Demonstration of Compliance | N | |
| **40 CFR 63 Subpart** | **National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines** | | |

# IV. Source-specific Applicable Requirements

## Table IV – H
## Source-specific Applicable Requirements
## S-54, ENGINE GENERATOR, 12 CYLINDER TURBOCHARGED LSVB, PLT EG-1, 3900 HP
**(The above engines can be run on: digester gas landfill gas, natural gas, and diesel fuel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| ZZZZ | | | |
| 63.6585 | Applicability | Y | |
| 63.6585(a) | Applicable to stationary RICE | Y | |
| 63.6585(c) | Applicable to area source of HAPs | Y | |
| 63.6590 | What parts of my plant does this subpart cover? | Y | |
| 63.6590(a)(1)(iii) | Existing stationary RICE at an area source of HAPs | Y | |
| 63.6595 | When do I have to comply with this subpart? | Y | |
| 63.6595(a)(1) | Comply with the applicable emission limitation and operating limitations no later than May 3, 2013 | Y | |
| 63.6603 | What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions? | Y | |
| When fired on digester gas, landfill gas or natural gas: 63.6603(a), Table 2d, part 138 | Change oil and filter; inspect spark plugs, hoses, and belts | Y | |
| 63.6605 | What are my general requirements for complying with this subpart? | Y | |
| 63.6605(a) | Comply with the emission limitations and operating limitations at all times | Y | |
| 63.6605(b) | Safety and good air pollution control practices for minimizing emissions | Y | |
| ~~63.6612~~ | ~~By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing stationary RICE located at an area source of HAP emissions?~~ | ~~Y~~ | |
| ~~63.6612(a)~~ | ~~Initial Performance Test or Other Initial Compliance Demonstrations~~ | ~~Y~~ | |
| ~~63.6615~~ | ~~When must I conduct subsequent performance tests?~~ | ~~Y~~ | |

# IV. Source-specific Applicable Requirements

## Table IV – H
## Source-specific Applicable Requirements
## S-54, ENGINE GENERATOR, 12 CYLINDER TURBOCHARGED LSVB, PLT EG-1, 3900 HP
**(The above engines can be run on: digester gas landfill gas, natural gas, and diesel fuel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.6620 | What performance tests and other procedures must I use? | Y | |
| 63.6620 Table 4, part 1 | Reduce CO Emission. Must measure the $O_2$ at the inlet and outlet of the control device using portable CO and $O_2$ analyzer | Y | |
| 63.6625 | What are my monitoring, installation, collection, operation, and maintenance requirements? | Y | |
| 63.6625(a) | CEMS | Y | |
| 63.6625(b) | CPMS | Y | |
| 63.6625(e) | Operate and maintain the stationary RICE | Y | |
| 63.6625(g) | Operate and maintain crankcase | Y | |
| 63.6625(h) | Minimize idling | Y | |
| 63.6630 | How do I demonstrate initial compliance with the emission limitations, operating limitations, and other requirements? | Y | |
| 63.6630(a) Table 5, part 1 or part 2 | How to demonstrate initial compliance with emission limitations, operating limitations, and other requirements | Y | |
| 63.6635 | How do I monitor and collect data to demonstrate continuous compliance? | Y | |
| 63.6640 | How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements? | Y | |
| 63.6640(a) Table 6, part 10 or part 11 | How to demonstrate continuous compliance with emission limitations, and other requirements | Y | |
| 63.6645 | What notifications must I submit and when? | Y | |
| 63.6645(a)(2) | Submit notification in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply | Y | |
| 63.6650 | What reports must I submit and when? | Y | |
| 63.6650(a), Table 7, part 1 | Compliance Reports for existing 4SLB stationary RICE >500HP | Y | |
| 63.6655 | What records must I keep? | Y | |
| 63.6660 | In what form and how long must I keep my records? | Y | |

# IV. Source-specific Applicable Requirements

## Table IV – H
## Source-specific Applicable Requirements
## S-54, ENGINE GENERATOR, 12 CYLINDER TURBOCHARGED LSVB, PLT EG-1, 3900 HP
**(The above engines can be run on: digester gas landfill gas, natural gas, and diesel fuel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.6675 | What definitions apply to this subpart? (spark ignition engine definition) | Y | |
| **BAAQMD Condition # 17901** | **Operating Requirements** | | |
| Part 1 | Allowable fuel specification (Cumulative Increase) | Y | |
| Part 2 | Thermal throughput (Cumulative Increase) | Y | |
| Part 3 | Emergency fuel (Cumulative Increase) | Y | |
| Part 4 | Sulfur content limitation (9-1-304) | Y | |
| Part 5 | NOx emission limit (Cumulative Increase) | Y | |
| Part 6 | CO emission limit (Cumulative Increase) | Y | |
| Part 7a | NMHC Emission Limits – Digest Gas or Natural Gas Combustion (Cumulative Increase) | Y | |
| Part 7b | NMHC Emission Limits – Landfill Gas Combustion Operation (Cumulative Increase) | Y | |
| Part 8 | Particulate emission limit (Cumulative Increase) | Y | |
| Part 9 | NOx emission limit (BACT, Cumulative Increase) | Y | |
| | CO emission limit (BACT, PSD) | Y | |
| | NMHC emission limit (BACT, Cumulative Increase) | Y | |
| | PM10 emission limit (Cumulative Increase) | Y | |
| | SO2 emission limit (Cumulative Increase) | Y | |
| Part 10 | Visible particulate limitation (6-1-301) | Y | |
| Part 11 | Prohibition of landfill gas venting (8-34-301) | Y | |
| Part 12 | Monitoring Equipment (8-34-508) | Y | |
| Part 13a | Key Operating Parameters – Measure Cylinder Exhaust Temperature (8-34-509) | Y | |
| Part 13b | Key Operating Parameters – Cylinder Exhaust Temperature Limit (8-34-509) | Y | |
| Part 13c | Key Operating Parameters – Records of Cylinder Exhaust Temperature (8-34-509) | Y | |
| Part 14b | Performance Testing to Demonstrate Compliance – Ongoing Compliance Testing (2-6-409.2) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV – H
## Source-specific Applicable Requirements
## S-54, ENGINE GENERATOR, 12 CYLINDER TURBOCHARGED LSVB, PLT EG-1, 3900 HP

**(The above engines can be run on: digester gas landfill gas, natural gas, and diesel fuel)**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part 14c | Performance Testing to Demonstrate Compliance – NMHC Emissions Testing to Demonstrate Compliance (2-6-409.2) | Y | |
| Part 15 | Recordkeeping (2-6-409.2) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - I
## Source-specific Applicable Requirements
**S-55, EMERGENCY I C ENGINE, DIESEL, BLDG 40, 760 HP ~~500 KW~~**
**S-56, EMERGENCY I C ENGINE, DIESEL, CL BLDG, 368 HP ~~250 KW~~**
**S-57, EMERGENCY I C ENGINE, DIESEL, P & E, 760 HP~~500 KW~~**
**~~S-59, I C ENGINE~~**
**~~S-211, CH&E 6" TRASH PUMP, # 22317~~**
**~~S-212, 10" GORMAN RUPP TRASH PUMP # 22312~~**
**~~S-213, 4" GORMAN RUPP TRASH PUMP # 22314~~**
**~~S-214, IR AIR COMPRESSOR # 22107~~**
**~~S-215, IR AIR COMPRESSOR # 22104~~**
**~~S-216, CH&E 6" TRASH PUMP, # 22306~~**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6, Rule 1~~BAAQMD Regulation 6~~** | **Particulate Matter – General Requirements (12/05/07)~~Particulate Matter and Visible Emissions (12/19/90)~~** | | |
| 6-1-303 | Ringelmann Number 2 Limitations | N~~Y~~ | |
| 6-1-303.1 | Internal combustion engines below 1500 cubic inches displacement or standby engines | N~~Y~~ | |
| 6-1-305 | Visible Particles | N~~Y~~ | |
| 6-1-310 | Particulate Emission Limitation (weight) | N~~Y~~ | |
| 6-1-401 | Appearance of Emissions | N~~Y~~ | |
| **SIP Regulation 6** | **Particulate Matter and Visible Emissions (09/04/98)** | | |
| 6-303 | Ringelmann Number 2 Limitations | Y | |
| 6-303.1 | Internal combustion engines below 1500 cubic inches displacement or standby engines | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Emission Limitation (weight) | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 9, Rule 1** | **Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)** | | |
| 9-1-301 | Limitations on Ground Level Concentrations | Y | |
| 9-1-304 | Fuel Burning (Liquid and Solid Fuels) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - I
## Source-specific Applicable Requirements
## S-55, EMERGENCY I C ENGINE, DIESEL, BLDG 40, 760 HP ~~500 KW~~
## S-56, EMERGENCY I C ENGINE, DIESEL, CL BLDG, 368 HP ~~250 KW~~
## S-57, EMERGENCY I C ENGINE, DIESEL, P & E, 760 HP ~~500 KW~~
## ~~S-59, I C ENGINE~~
## ~~S-211, CH&E 6" TRASH PUMP, # 22317~~
## ~~S-212, 10" GORMAN RUPP TRASH PUMP # 22312~~
## ~~S-213, 4" GORMAN RUPP TRASH PUMP # 22314~~
## ~~S-214, IR AIR COMPRESSOR # 22107~~
## ~~S-215, IR AIR COMPRESSOR # 22104~~
## ~~S-216, CH&E 6" TRASH PUMP, # 22306~~

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 9, Rule 8** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (~~8/1/01~~7/25/07)** | | |
| 9-8-110.~~5~~4 | Exemption, Emergency Standby Engines | N | |
| 9-8-331 | Essential Public Service, Hours of Operation | N | |
| 9-8-530 | Emergency Standby Engines, Monitoring and Recordkeeping | N | |
| **California Code of Regulations, Title 17, Section 93115** | **ATCM for Stationary Compression Ignition Engines** | | |
| 93115.6(b)(3)(A)1.a~~(e)(2)(B)3~~ | Maximum Allowable Annual Hours of Operation for Maintenance and Testing ≤ 20 hrs/yr | N | |
| 93115.6(b)(2) | At-school and near-school provisions | N | |
| 93115.10(d)(1) | Non-resettable totalizing meter | N | |
| 93115~~(e)(2)(F)(4)(A)~~.10(f)(1) | ~~Notification and R~~recordkeeping. | N | |
| **40 CFR 63 Subpart ZZZZ** | **National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines** | | |
| 63.6585 | Applicability | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - I
## Source-specific Applicable Requirements
## S-55, EMERGENCY I C ENGINE, DIESEL, BLDG 40, 760 HP ~~500 KW~~
## S-56, EMERGENCY I C ENGINE, DIESEL, CL BLDG, 368 HP ~~250 KW~~
## S-57, EMERGENCY I C ENGINE, DIESEL, P & E, 760 HP ~~500 KW~~
## ~~S-59, I C ENGINE~~
## ~~S-211, CH&E 6" TRASH PUMP, # 22317~~
## ~~S-212, 10" GORMAN RUPP TRASH PUMP # 22312~~
## ~~S-213, 4" GORMAN RUPP TRASH PUMP # 22314~~
## ~~S-214, IR AIR COMPRESSOR # 22107~~
## ~~S-215, IR AIR COMPRESSOR # 22104~~
## ~~S-216, CH&E 6" TRASH PUMP, # 22306~~

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 63.6585(a) | Applicable to stationary RICE | Y | |
| 63.6585(c) | Applicable to area source of HAPs | Y | |
| 63.6590 | Subject to subpart ZZZZ | Y | |
| 63.6590(a)(1)(iii) | Existing stationary RICE at an area source of HAPs | Y | |
| 63.6595 | Compliance Schedule to 40 CFR 63, Subpart ZZZZ | Y | |
| 63.6595(a)(1) | Comply with the applicable emission limitation and operating limitations no later than May 3, 2013 | Y | 5/3/2013 |
| 63.6603 | Emission Limitations and Operating Limitations for Existing Stationary RICE located at an area source of HAP emissions | Y | 5/3/2013 |
| 63.6603(a), Table 2d, part 4 | Change oil and filter every 500 hours of operation or annually, whichever comes first; Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. | Y | 5/3/2013 |
| 63.6605 | General Requirements | Y | |
| 63.6605(a) | Comply with the emission limitations and operating limitations at all times | Y | |
| 63.6605(b) | Safety and good air pollution control practices for minimizing emissions | Y | |
| 63.6625 | Monitoring, Installation, Operation, and Maintenance Requirements | Y | |
| 63.6625(e)(3) | Operate and maintain engine and after-treatment control device (if any) in a manner consistent with good air pollution control practice for minimizing emissions | Y | |
| 63.6625(f) | Install a non-resettable hour meter if one is not already installed | Y | |
| 63.6625(h) | Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - I
## Source-specific Applicable Requirements
## S-55, EMERGENCY I C ENGINE, DIESEL, BLDG 40, 760 HP ~~500 KW~~
## S-56, EMERGENCY I C ENGINE, DIESEL, CL BLDG, 368 HP ~~250 KW~~
## S-57, EMERGENCY I C ENGINE, DIESEL, P & E, 760 HP ~~500 KW~~
## ~~S-59, I C ENGINE~~
## ~~S-211, CH&E 6" TRASH PUMP, # 22317~~
## ~~S-212, 10" GORMAN RUPP TRASH PUMP # 22312~~
## ~~S-213, 4" GORMAN RUPP TRASH PUMP # 22314~~
## ~~S-214, IR AIR COMPRESSOR # 22107~~
## ~~S-215, IR AIR COMPRESSOR # 22104~~
## ~~S-216, CH&E 6" TRASH PUMP, # 22306~~

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| | of the engine, not to exceed 30 minutes | | |
| 63.6635 | Monitor and Collect Data to Demonstrate Continuous Compliance | Y | |
| 63.6640 | Demonstrate Continuous Compliance with the Emission Limitations and Operating Limitations | Y | |
| 63.6640(f)(1) | Requirements for an existing emergency stationary RICE located at an area source of HAP emissions. | Y | |
| 63.6645 | Notification, Reports, and Records | Y | |
| 63.6645(a)(2) | Submit notification in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply | Y | |
| 63.6655 | Recordkeeping | Y | |
| 63.6655(a) | Recordkeeping with the emission and operating limitations | Y | |
| 63.6655(e)(2) | Keep records of the maintenance conducted on an existing emergency RICE | Y | |
| 63.6660 | Recordkeeping | Y | |
| **BAAQMD Condition # 22820** | **Operating Requirements** | | |
| Part 1 | Operating limit for reliability-related activities (basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.6(b)(3)(A)1.a~~"Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(B)(3) or Regulation 2-5~~) | N | |
| Part 2 | Emergency standby engine operation (basis: ~~Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3)] or (e)(2)(B)(3)~~BAAQMD 9-8-330) | N | |

# IV. Source-specific Applicable Requirements

## Table IV - I
## Source-specific Applicable Requirements
## S-55, EMERGENCY I C ENGINE, DIESEL, BLDG 40, 760 HP ~~500 KW~~
## S-56, EMERGENCY I C ENGINE, DIESEL, CL BLDG, 368 HP ~~250 KW~~
## S-57, EMERGENCY I C ENGINE, DIESEL, P & E, 760 HP ~~500 KW~~
## ~~S-59, I C ENGINE~~
## ~~S-211, CH&E 6" TRASH PUMP, # 22317~~
## ~~S-212, 10" GORMAN RUPP TRASH PUMP # 22312~~
## ~~S-213, 4" GORMAN RUPP TRASH PUMP # 22314~~
## ~~S-214, IR AIR COMPRESSOR # 22107~~
## ~~S-215, IR AIR COMPRESSOR # 22104~~
## ~~S-216, CH&E 6" TRASH PUMP, # 22306~~

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| Part 3 | Non-resettable totalizing hour meter (basis: "Stationary Diesel Engine ATCM" ~~section 93115~~, title 17, CA Code of Regulations, ~~sub~~section 93115.10(d)(1)~~(e)(4)(G)(1)~~) | N | |
| Part 4 | Records (Basis: "Stationary Diesel Engine ATCM" ~~section 93115~~, title 17, CA Code of Regulations, ~~sub~~section ~~(e)(4)(I~~93115.10(f)(1)~~)~~, (or, Regulation 2-6-501)) | N | |
| Part 5 | At or nearby school restrictions (basis: "Stationary Diesel Engine ATCM" ~~section 93115~~, title 17, CA Code of Regulations, ~~sub~~section ~~(e)(2)(A)(1)] or (e)(2)(B)(2~~ 93115.6(b)(2)~~)~~) | N | |

# IV. Source-specific Applicable Requirements

## Table IV – J
## Source-specific Applicable Requirements
## S-58, 4" Gorman Rupp Trash Pump 22305 Diesel Engine
## S-60, CH&E 6" Trash Pump 22304 Diesel Engine
## S-61, Pump 22315 Diesel Engine
## S-62, Mudcat Booster Pump # 22309 Diesel Engine
## S-63, Mudcat Booster Pump # 22316 Diesel Engine
## S-64, Mudcat Booster Pump # 22311 Diesel Engine
## S-65, Mudcat Booster Pump # 22310 Diesel Engine

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| BAAQMD Regulation 6 | Particulate Matter and Visible Emissions (12/19/90) | | |
| 6-303 | Ringelmann Number 2 Limitations | Y | |
| 6-303.1 | Internal combustion engines below 1500 cubic inches displacement or standby engines | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Emission Limitation (weight) | Y | |
| 6-401 | Appearance of Emissions | Y | |
| BAAQMD Regulation 9, Rule 1 | Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95) | | |
| 9-1-301 | Limitations on Ground Level Concentrations | Y | |
| 9-1-304 | Fuel Burning (Liquid and Solid Fuels) | Y | |
| BAAQMD Regulation 9, Rule 8 | Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/01) | | |
| 9-8-110.1 | Exemption, Engines Rated Less than 250 HP | N | |
| California Code of Regulations, Title 17, Section 93116 | ATCM for Portable Engines Rated at 50 HP and Greater | N | |
| 93116.3(a) | Fuel Requirements, Portable Diesel Engines | N | |

# IV. Source-specific Applicable Requirements

## Table IV – J
## Source-specific Applicable Requirements
## S-58, 4" Gorman Rupp Trash Pump 22305 Diesel Engine
## S-60, CH&E 6" Trash Pump 22304 Diesel Engine
## S-61, Pump 22315 Diesel Engine
## S-62, Mudcat Booster Pump # 22309 Diesel Engine
## S-63, Mudcat Booster Pump # 22316 Diesel Engine
## S-64, Mudcat Booster Pump # 22311 Diesel Engine
## S-65, Mudcat Booster Pump # 22310 Diesel Engine

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 93.116.3(b)(1) | Diesel PM Standards – Requirements for in-use portable diesel engines | N | 01/01/2010 |
| **BAAQMD Condition # 23208** | **Operating Requirements** | | |
| Part 1 | ATCM for Portable Engines Rated at 50 HP and Greater (basis: ATCM for Portable Diesel Engines) | N | |
| Part 2 | By January 1, 2010, comply with ATCM for Portable Engines (basis: ATCM for Portable Diesel Engines, Section 93116.3 (b)(1)(A)) | N | |

# IV. Source-specific Applicable Requirements

## Table IV - J
## Source-specific Applicable Requirements
## S-66, EMERGENCY I C ENGINE, DIESEL, 274 HP

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 6, Rule 1** | **Particulate Matter – General Requirements (12/05/07)** | | |
| 6-1-303 | Ringelmann Number 2 Limitations | N | |
| 6-1-303.1 | Internal combustion engines below 1500 cubic inches displacement or standby engines | N | |
| 6-1-305 | Visible Particles | N | |
| 6-1-310 | Particulate Emission Limitation (weight) | N | |
| 6-1-401 | Appearance of Emissions | N | |
| **SIP Regulation 6** | **Particulate Matter and Visible Emissions (09/04/98)** | | |
| 6-303 | Ringelmann Number 2 Limitations | Y | |
| 6-303.1 | Internal combustion engines below 1500 cubic inches displacement or standby engines | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Emission Limitation (weight) | Y | |
| 6-401 | Appearance of Emissions | Y | |
| **BAAQMD Regulation 9, Rule 1** | **Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)** | | |
| 9-1-301 | Limitations on Ground Level Concentrations | Y | |
| 9-1-304 | Fuel Burning (Liquid and Solid Fuels) | Y | |
| **BAAQMD Regulation 9, Rule 8** | **Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)** | | |
| 9-8-110.5 | Exemption, Emergency Standby Engines | N | |
| 9-8-331 | Essential Public Service, Hours of Operation | N | |
| 9-8-530 | Emergency Standby Engines, Monitoring and Recordkeeping | N | |

# IV. Source-specific Applicable Requirements

## Table IV - J
## Source-specific Applicable Requirements
## S-66, EMERGENCY I C ENGINE, DIESEL, 274 HP

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **California Code of Regulations, Title 17, Section 93115** | **ATCM for Stationary Compression Ignition Engines** | | |
| 93115.6(b)(3)(A)1.a | Maximum Allowable Annual Hours of Operation for Maintenance and Testing < 20 hrs/yr | N | |
| 93115.6(b)(2) | At-school and near-school provisions | N | |
| 93115.10(d)(1) | Non-resettable totalizing meter | N | |
| 93115.10(f)(1) | Recordkeeping. | N | |
| 93115.13(f) | Compliance by CARB certificate | N | |
| **40 CFR 60 Subpart IIII** | **Standards of Performance for Stationary Compression Ignition Internal Combustion Engines** | | |
| 60.4200(a)(~~1~~2)(i) | Applicability | Y | |
| 60.4205(b) | What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine? | Y | |
| 60.4206 | How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine? | Y | |
| 60.4207(b) | What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart? | Y | |
| 60.4209 | What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine? | Y | |
| 60.4211 | What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine? | Y | |
| 60.4211(a)(1) | Operate and maintain according to manufacturer's emission-related written instruction | Y | |
| 60.4211(a)(2) | Change only emission-related settings that are permitted by the manufacturer | Y | |
| 60.4211(a)(3) | Meet 40 CFR parts 89, 94, and/or 1068 as applicable | Y | |
| 60.4211(c) | Comply with emission standards specified in §60.4205(b) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - J
## Source-specific Applicable Requirements
## S-66, EMERGENCY I C ENGINE, DIESEL, 274 HP

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 60.4211(f) | Maintenance, testing, and non-emergency operation hours | Y | |
| 60.4211(g)(~~3~~2) | Compliance demonstration if engine is not installed, configured, operated, or maintained according to the manufacturer's emission-related written instructions | Y | |
| 60.4214 | What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine? | Y | |
| **BAAQMD Condition # 22820** | **Operating Requirements** | | |
| Part 1 | Operating limit for reliability-related activities (basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.6(b)(3)(A)~~1~~2.~~a~~b | N | |
| Part 2 | Emergency standby engine operation (basis: BAAQMD 9-8-330) | N | |
| Part 3 | Non-resettable totalizing hour meter (basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.10(d)(1)) | N | |
| Part 4 | Records (Basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.10(f)(1), (or, Regulation 2-6-501)) | N | |
| Part 5 | At or nearby school restrictions (basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.6(b)(2)) | N | |

# IV. Source-specific Applicable Requirements

## Table IV - K
## Source-specific Applicable Requirements
## S-100, MUNICIPAL WASTEWATER TREATMENT PLANT; S-110, PRELIMINARY TREATMENT; S-120, PRIMARY TREATMENT; S-140, FLOW EQUALIZATION; S-150, SECONDARY TREATMENT; S-160, SECONDARY CLARIFIERS; S-170, TERTIARY TREATMENT; S-180, DISINFECTION; S-190, RECLAMATION; S-200, SLUDGE HANDLING

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 7** | **Odorous Substances (03/17/82)** | | |
| 7-301 | General limit on odorous substances | N | |
| 7-302 | Limit on odorous substances at or beyond property line | N | |
| 7-303 | Limit on odorous compounds | N | |
| **BAAQMD Regulation 8, Rule 2** | **Organic Compounds-Miscellaneous Operation (07/20/05)** | Y | |
| 8-2-301 | Miscellaneous Operations | Y | |
| **BAAQMD Regulation 9, Rule 2** | **Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)** | | |
| 9-2-301 | Limitations of Hydrogen Sulfide | N | |
| **BAAQMD Condition # 17740** | **Operating Requirements** | | |
| Part 1 | Wastewater Throughput (2-1-301) | Y | |
| Part 2 | Consequences of odor complaints (1-301; Public Nuisance) | Y | |

## Table IV - L
## Source-specific Applicable Requirements
## S-210, ANAEROBIC DIGESTERS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| **BAAQMD Regulation 7** | **Odorous Substances (03/17/82)** | | |

# IV. Source-specific Applicable Requirements

## Table IV - L
## Source-specific Applicable Requirements
## S-210, ANAEROBIC DIGESTERS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| 7-301 | General limit on odorous substances | N | |
| 7-302 | Limit on odorous substances at or beyond property line | N | |
| 7-303 | Limit on odorous compounds | N | |
| **BAAQMD Regulation 8, Rule 2** | **Organic Compounds-Miscellaneous Operation (07/20/05)** | | |
| 8-2-301 | Miscellaneous Operations | N~~Y~~ | |
| **SIP Regulation 8, Rule 2** | **Organic Compounds-Miscellaneous Operation (3/22/95)** | | |
| 8-2-301 | Miscellaneous Operations | Y | |
| **BAAQMD Regulation 9, Rule 2** | **Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)** | | |
| 9-2-301 | Limitations of Hydrogen Sulfide | N | |
| **BAAQMD Condition # 17741** | **Operating Requirements** | | |
| Part 1 | Abatement of odorous emissions (1-301) | Y | |
| Part 2 | Restrictions on venting digester gas to flares (cumulative increase) | Y | |
| Part 3 | Digester Gas sulfur monitoring (9-1-302) | Y | |
| Part 4 | Monitoring (2-6-409.2) | Y | |
| Part 5 | Recordkeeping (2-6-409.2) | Y | |
| Part 6 | Fugitive or short-term unavoidable and incidental emissions of digester related (Regulation 1-301; Cumulative Increase) | Y | |

# IV. Source-specific Applicable Requirements

## Table IV - M
## Source-specific Applicable Requirements
## S-218, LWT BOOSTER PUMP PORTABLE DIESEL ENGINE (CITY ID # 26701)
## S-219, LWT BOOSTER PUMP PORTABLE DIESEL ENGINE (CITY ID # 26702)

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|---|---|
| BAAQMD Regulation 6, Rule 1 | Particulate Matter and Visible Emissions (12/5/2007) | | |
| 6-1-303 | Ringelmann Number 2 Limitations | Y | |
| 6-1-303.1 | Internal combustion engines below 1500 cubic inches displacement or standby engines | Y | |
| 6-1-305 | Visible Particles | Y | |
| 6-1-310 | Particulate Emission Limitation (weight) | Y | |
| 6-1-401 | Appearance of Emissions | Y | |
| SIP Regulation 6 | Particulate Matter and Visible Emissions (9/4/98) | | |
| 6-303 | Ringelmann Number 2 Limitations | Y | |
| 6-303.1 | Internal combustion engines below 1500 cubic inches displacement or standby engines | Y | |
| 6-305 | Visible Particles | Y | |
| 6-310 | Particulate Emission Limitation (weight) | Y | |
| 6-401 | Appearance of Emissions | Y | |
| BAAQMD Regulation 9, Rule 1 | Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95) | | |
| 9-1-301 | Limitations on Ground Level Concentrations | Y | |
| 9-1-304 | Fuel Burning (Liquid and Solid Fuels) | Y | |
| BAAQMD Regulation 9, Rule 8 | Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/01) | | |
| 9-8-110.1 | Exemption, Engines Rated Less than 250 HP | N | |
| California Code of Regulations, Title 17, Section 93116 | ATCM for Portable Engines Rated at 50 HP and Greater | N | |

# IV. Source-specific Applicable Requirements

## ~~Table IV – M~~
## ~~Source-specific Applicable Requirements~~
## ~~S-218, LWT BOOSTER PUMP PORTABLE DIESEL ENGINE (CITY ID # 26701)~~
## ~~S-219, LWT BOOSTER PUMP PORTABLE DIESEL ENGINE (CITY ID # 26702)~~

| ~~Applicable Requirement~~ | ~~Regulation Title or Description of Requirement~~ | ~~Federally Enforceable (Y/N)~~ | ~~Future Effective Date~~ |
|---|---|---|---|
| ~~93116.3(a)~~ | ~~Fuel Requirements, Portable Diesel Engines~~ | ~~N~~ | |
| ~~93.116.3(b)(2)~~ | ~~Diesel PM Standards – Requirements for new portable diesel engines~~ | ~~N~~ | |
| ~~BAAQMD Condition # 24188~~ | ~~Operating Requirements~~ | | |
| ~~Part 1~~ | ~~Annual hourly limit (basis: Cumulative Increase, Toxics Risk Screening)~~ | ~~Y~~ | |
| ~~Part 2~~ | ~~Non-resettable totalizing meter (basis: Cumulative Increase, Toxics Risk Screening)~~ | ~~Y~~ | |
| ~~Part 3~~ | ~~Records (basis: Cumulative Increase, Toxics Risk Screening, Regulation 2-6-501)~~ | ~~Y~~ | |

## V. SCHEDULE OF COMPLIANCE

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

## VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

**Condition 9055**
For S-52, Sandblast Operations

1. The owner/operator shall ensure that the total amount of abrasives used in S-52 doesshall not exceed 30 tons during any consecutive 12-month period. (Basis: Cumulative Increase)

2. In order to demonstrate compliance with the above conditions, the owner/operator shall ensure that a District approved logbook isshall be maintained on a monthly basis. These records shall be kept on site and made readily available to District staff for a period of five years from the date of logbook entry. (Basis: 2-6-409.2)

**Condition 17737**
For S-15, Paint Spray Booth
S-16, Paint Staging Building

1. The owner/operator shall ensure that the total amount of paint and primer coatings used at S-15 and S-16 doesshall not exceed the following limits during any consecutive twelve-month period. (Basis: Cumulative Increase)
   S-15: 50 gal paint, 50 gal primer
   S-16: 50 gal paint, 50 gal primer

2. The owner/operator shall ensure that the net amount of clean-up solvent used at S-15 and S-16 doesshall not exceed the following limits during any consecutive twelve-month period. (Basis: Cumulative Increase)
   S-15: 50 gal MEK, 50 gal Mineral Spirits
   S-16: 50 gal MEK, 50 gal Mineral Spirits

# VI. Permit Conditions

3. To demonstrate compliance with the above conditions, the owner/operator shall maintain the following records in a District-approved log (Basis: Regulation 2-6-409.2):

   a. Total daily coating usage at S-15 and S-16.
   b. Net daily clean-up solvent usage at S-15 and S-16.
   c. Cumulative monthly totals of the above daily usage rates, in gallons per month.

   These records shall be kept onsite and made available for District inspection for a period of five years from the date on which a record is made.

**Condition 17738**
For S-26, Gasoline Dispensing Island

*1. The owner/operator shall ensure that the a~~A~~nnual gasoline throughput does~~shall~~ not exceed 50,000 gallons in any consecutive 12-month period. (Basis: Cumulative Increase)

*2. To demonstrate compliance with the above condition, the ~~permit holder~~ owner/operator shall maintain monthly records of gasoline throughput. These records shall be kept on a District-approved log. All records shall be retained onsite for five years from the date of entry, and made available for District inspection upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: 2-6-409.2)

**Condition 17740**
For S–100, Municipal Wastewater Treatment Plant

1. The owner/operator shall ensure that t~~T~~otal wastewater flow does~~shall~~ not exceed 167 million gallons/day dry flow, 360 million gallons/day wet flow. (Basis: Regulation 2-1-301)

2. To determine compliance with the above condition, the ~~permit holder~~owner/operator shall maintain the following records: (Basis: Regulation 2-6-409.2)

   a. Daily and monthly records of the quantity of wastewater processed at this source.
   b. Monthly records totaled for each consecutive 12-month period.
   c. All records shall be retained onsite for five years from the date of entry, and made available for inspection by District staff upon request.

# VI. Permit Conditions

d. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any District Regulation.

**Condition 17741**
For S –210, Anaerobic Digesters

1. The owner/operator shall ensure that e~~E~~missions from S-210 are~~shall be~~ abated at all times by combustion at any of the following sources: ~~S-4,~~ S-5, ~~S-6~~, S-7, ~~S-8,~~ S-9, S-10, S-11, S-12, S-13, S-14, S-36, S-37, S-54 except as specified in Part 2. (Basis: Regulation 1-301)

2. The owner/operator shall ensure that e~~E~~missions from S-210 are~~shall be~~ abated by any of the following: A-401, A-402, A-403, A-404, and A-405 only when equipment failure or other emergencies require the flaring of digester gas. (Basis: Cumulative Increase)

3. The owner/operator shall ensure that the d~~D~~igester gas total sulfur content does~~shall~~ not exceed 350 ppm. (Basis: 9-1-302)

4. To demonstrate compliance with this standard the ~~permit holder~~owner/operator shall monitor and record the sulfur content of the digester gas at least once every calendar week. If the ~~permit holder~~owner/operator can demonstrate 3 months of digester sulfur results lower than 200 ppm the monitoring frequency for sulfur analysis may be reduced to at least once every calendar month. (Basis: Regulation 9-1-302)

5. The ~~permit holder~~owner/operator shall record the dates, hours of use, and purpose of flaring in a District approved logbook, whenever the flares are used. (Basis: Regulation 2-6-409.2)

6. The failure to abate digester gas emissions from the following causes or activities shall not be considered a violation of Parts 1 or 2 of this permit condition.

   a. Digester gas leaks from the floating roof sludge seals and digester gas piping systems, provided the sludge seals and piping systems are maintained in good operating condition.
   b. Preventative maintenance on pressure relief valves to ensure proper operation.
   c. Manual draining of condensate from digester gas piping systems to ensure proper digester operation.
   d. Removing a digester or digester gas system component from service.
   e. Pressure relief of the digester gas system.

## VI. Permit Conditions

The owner/operator shall ensure that, ~~I~~if detected and known, the occurrence, duration, and cause of emissions of digester gas from causes or activities not listed above in this Part are~~shall be~~ recorded. Notwithstanding this Part 6, the ~~permit holder~~owner/operator shall not cause or allow any digester gas emissions otherwise allowed by this Part to create a violation of District regulations.

~~**Condition 17898**~~
~~For S-4, Stationary IC Engine, Plt E1, P&E~~
~~S-5, Stationary IC Engine, Plt E2, P&E~~
~~S-6, Stationary IC Engine, Plt E3, P&E~~
~~S-7, Stationary IC Engine, Plt E5, P&E~~
~~S-8, Stationary IC Engine, Plt E6, P&E~~

~~1. The owner/operator shall ensure that tThis engine shall beis fired on natural gas, sewage sludge digester gas, landfill gas, diesel fuel, or any combination thereof. (Basis: Cumulative Increase)~~

~~2. The owner/operator shall ensure that NOx emissions, expressed as NO2, doshall not exceed 140 ppmv NOx at 15% O2. (Basis: 9-8-301.2, 302.1)~~

~~3. The owner/operator shall ensure that CO emissions doshall not exceed 2000 ppmv at 15% O2. (Basis: 9-8-301.3, 9-8-302.3)~~

~~4. NMHC emission Limits~~

~~a. Landfill Gas Combustion Operations: The owner/operator shall ensure that tThis source shall achieves a NMHC emission reduction from landfill gas combustion of at least 98% by weight or shall emits less than 120 ppm by volume of NMHC, dry basis, as methane corrected to 3% oxygen. (Basis: Regulation 8-34-301.4)~~

~~b. Digester Gas Combustion: The owner/operator shall ensure that NMHC concentration of engine exhaust from digester gas combustion doesshall not exceed 250 ppmv at 15% O2. (Basis: Cumulative Increase)~~

~~5. Thermal Capacity Limitations: The owner/operator shall ensure that the tTotal thermal throughput doesshall not exceed the following limits (Basis: Cumulative Increase)~~

~~S-4 9.1 MM Btu/hr~~
~~S-5 9.1 MM Btu/hr~~

# VI. Permit Conditions

S-6 9.1 MM Btu/hr
S-7 20.9 MM Btu/hr
S-8 20.9 MM Btu/hr

6. The owner/operator shall ensure that San Jose/Santa Clara WWTP doesshall not burn diesel fuel with a sulfur content in excess of 0.5% by weight. (Basis: Regulation 9-1-304)

To demonstrate compliance with this limit, the owner/operator shall ensure that every delivery of diesel oil received onsite isshall be accompanied by a vendor certification of sulfur content or isshall be tested for sulfur content using a District-approved method. The vendor certifications or lab results shall be maintained onsite for at least 5 years and shall be made available to the District upon request. (Basis: Regulation 2-6-409.2, 2-6-501)

7. The owner/operator shall ensure that uUnder no circumstances isshall supplied landfill gas be vented to the atmosphere. (Basis: 8-34-301)

8. Monitoring Equipment

The owner/operator shall ensure that tThe following equipment isshall be installed, and used to assist in demonstrating compliance with the NMHC emission standards and thermal capacity limitations:

a. Flow meters on each gas supply line to determine relative component fuel gas flow to each engine.
b. Calorimeters of fuel gas mixture feed to engines.
c. Calorimeter or Gas Chromatograph on landfill gas feed to mixing station.
d. Engine cylinder thermocouples & recording instruments.

The owner/operator shall ensure that the above equipment shall be is maintained in good working order. (Basis: Regulation 8-34-508)

9. Key Operating Parameter

a. Effective January 1, 2007, the owner/operator shall measure the cylinder exhaust of S-4, S-5, S-6, and S-7, and S-8 using a continuous temperature monitor(s) and recorder meeting the requirements of 40 CFR 60.756(b)(1).
b. Effective January 1, 2007, except as a result of loss in utility power or natural gas supply or during the first 5 minutes of landfill gas use during engine startup, the owner/operator shall ensure that any engine with a cylinder exhaust temperature below 600 °F isshall be shutdown within 5 minutes of measuring the temperature.

# VI. Permit Conditions

c. The owner/operator shall ensure that aAll records shall beare retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

10. Performance Testing to Demonstrate Compliance

a. Deleted upon issuance of Title V Renewal (2006).

b. Ongoing Compliance Testing: The owner/operator shall ensure that a performance test is conducted on each engine at least once every 8760 hrs of engine operation after the previous performance test. The performance test shall be conducted in accordance with District test procedures to demonstrate compliance with the NOx, CO, and NMHC limits required by parts 2, 3, and 4. The owner/operator may submit an alternative monitoring plan to the District for approval. If the alternative monitoring plan is approved, the plan shall supersede the above 8760 hour source testing requirement for all pollutants except NMHC. Approvals shall be processed using the permit modification procedure contained in Regulation 2, Rule 6. (Basis: Regulation 2-6-409.2)

c. NMHC Emissions Testing to Demonstrate Compliance: The owner/operator shall ensure that a performance test for NMHC is conducted on each engine at least once every 8760 hrs of engine operation after the previous performance test. All performance tests for NMHC emissions shall be conducted in accordance with the methods and test specifications identified in Regulation 8-34-412 and shall determine NMHC emissions in ppm at 3% oxygen as methane, dry. The results of the source test shall be compared against the maximum allowable NMHC emission levels.

The maximum allowable ppmv concentration of NMHC at 3 percent oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (operated by International Disposal Corporation of California, plant 9013), Section 4.9 (1). The actual ppmv concentration of NMHC emissions at 3% oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (IDCC, plant 9013), Section 4.9 (2).

11. To determine compliance with the above conditions, the Permit Holderowner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions. (Basis: Regulation 2-6-409.2)

# VI. Permit Conditions

~~a. Monthly records of the quantity of gaseous fuels (therms) and distillate oil (gal) burned at this source.~~

~~b. Records of all landfill gas and digester gas methane content measurements.~~

~~c. Daily records of methane throughput to this source, summarized on a monthly basis.~~

~~d. Records of key emission control system operating parameter readings (as noted in Condition 9, above).~~

~~e. Records of all compliance demonstration test data.~~

~~f. Monthly records shall be totaled for each consecutive 12-month period.~~

~~The owner/operator shall ensure that~~ ~~A~~all records shall be~~are~~ ~~retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.~~

**Condition # 17898**

S-5 1130 Bhp Stationary IC Engine, Plt E2, P&E
~~S-6 1130 Bhp Stationary IC Engine, Plt E3, P&E~~
S-7 2466 Bhp Stationary IC Engine, Plt E5, P&E

1. The Owner/Operator of S-5~~, S-6~~ and S-7 shall fire the engines on natural gas, sewage sludge digester gas, landfill gas, diesel fuel, or any combination thereof. S-5~~, S-6~~ and S-7 shall not exceed 1500~~, 1600~~ and 4500 gallons per year respectively of firing diesel fuel. (Basis: Cumulative Increase, Toxics)

2. The Owner/Operator of S-5 and S-7 shall not exceed NOx emissions, expressed as NO2, 126 ppmv NOx at 15% O2. (Basis: ~~9-8-301.2, 302.1~~Cumulative Increase)

3. The Owner/Operator of S-5 and S-7 shall not exceed CO emissions of 1800 ppmv at 15% O2. (Basis: Cumulative Increase~~9-8-301.3, 9-8-302.3~~)

4. The Owner/Operator of S-5 and S-7 shall not exceed the following NMHC emission Limits:

   a. Landfill Gas Combustion Operations:
   This source shall achieve a NMHC emission reduction from landfill gas combustion

## VI. Permit Conditions

of at least 98% by weight or shall emit less than 108 ppm by volume of NMHC, dry basis, as methane corrected to 3% oxygen. (Basis: Regulation 8-34-301.4)

b. Digester Gas Combustion:
NMHC concentration of engine exhaust from digester gas combustion shall not exceed 225 ppmv at 15% O2. (Basis: Cumulative Increase)

5. Thermal Capacity Limitations: The Owner/Operator of S-5 and S-7 shall not exceed the following thermal throughput limits during any consecutive 24-hour period (Basis: Cumulative Increase)
S-5 240 MM Btu/day
~~S-6 240 MM Btu/day~~
S-7 552 MM Btu/day

6. The Owner/Operator shall not use diesel fuel that contains sulfur in excess of 0.0015% by weight. To demonstrate compliance with this limit, every delivery of diesel oil received onsite shall be accompanied by a vendor certification of sulfur content or shall be tested for sulfur content using a District-approved method. The vendor certifications or lab results shall be maintained onsite for at least 5 years and shall be made available to the District upon request. (Basis: Regulation 9-1-304, 2-6-409.2, 2-6-501)

7. The Owner/Operator of S-5 and S-7 shall not vent supplied landfill gas to the atmosphere. (Basis: 8-34-301)

8. Monitoring Equipment
The Owner/Operator of S-5 and S-7 shall install the following equipment and shall use it to assist in demonstrating compliance with the NMHC emission standards and thermal capacity limitations:
a) Flow meters on each gas supply line to determine relative component fuel gas flow to each engine.
b) Calorimeters of fuel gas mixture feed to engines.
c) Calorimeter or Gas Chromatograph on landfill gas feed to mixing station.
d) Engine cylinder thermocouples & recording instruments.
The above equipment shall be maintained in good working order.
(Basis: Regulation 8-34-508)

9. Key Operating Parameter
a) Effective January 1, 2007, the Owner/Operator of S-5 and S-7 shall measure the cylinder exhaust of S-5 and S-7 using a continuous temperature monitor(s) and recorder meeting the requirements of 40 CFR 60.756(b)(1).
b) Effective January 1, 2007, the Owner/Operator of S-5 and S-7, except as a result of loss in utility power or natural gas supply or during the first 5 minutes of landfill gas use

## VI. Permit Conditions

during engine startup, any engine with a cylinder exhaust temperature below $600^0$F, shall be shut down within 5 minutes of measuring the temperature.

c) The Owner/Operator of S-5 and S-7 shall retain onsite all records for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

10. Performance Testing to Demonstrate Compliance

a) Deleted upon issuance of Title V Renewal (2006).

b) Ongoing Compliance Testing: The Owner/Operator of S-5 and S-7 shall ensure that a performance test is conducted on each engine at least once every 8760 hours of engine operation after the previous performance test. The performance test shall be conducted in accordance with District test procedures to demonstrate compliance with the NOx, CO, and NMHC limits required by parts 2, 3, and 4. The Owner/Operator may submit an alternative monitoring plan to the District for approval. If the alternative monitoring plan is approved, the plan shall supersede the above 8760-hour source testing requirement for all pollutants except NMHC. Approvals shall be processed using the permit modification procedure contained in Regulation 2, Rule 6. (Basis: Regulation 2-6-409.2)

c) NMHC Emissions Testing to Demonstrate Compliance:
The Owner/Operator of S-5 and S-7 shall ensure that a performance test for NMHC is conducted on each engine at least once every 8760 hours of engine operation after the previous performance test. All performance tests for NMHC emissions shall be conducted in accordance with the methods and test specifications identified in Regulation 8-34-412 and shall determine NMHC emissions in ppm at 3% oxygen as methane, dry. The results of the source test shall be compared against the maximum allowable NMHC emission levels.

The maximum allowable ppmv concentration of NMHC at 3 percent oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (operated by International Disposal Corporation of California, plant 9013), Section 4.9 (1). The actual ppmv concentration of NMHC emissions at 3% oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (IDCC, plant 9013), Section 4.9(2).

11. To determine compliance with the above conditions, the Owner/Operator of S-5 and S-7 shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions.
(Basis: Regulation 2-6-409.2)

(a) Monthly records of the quantity of gaseous fuels (therms) and diesel oil (gal) burned at this source.

(b) Records of all landfill gas and digester gas methane content measurements.

(c) Daily records of methane throughput to this source, summarized on a monthly basis.

# VI. Permit Conditions

(d) Records of key emission control system operating parameter readings (as noted in Condition 9, above).
(e) Records of all compliance demonstration test data.
(f) Monthly records shall be totaled for each consecutive 12-month period.

All records shall be retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District

~~**Condition 17899**~~
~~For S-9, Stationary IC Engine, Plt A3, Location SBB~~
~~S-10, Stationary IC Engine, Plt A2, Location SBB~~
~~S-11, Stationary IC Engine, Plt A1, Location SBB~~
~~S-12, Stationary IC Engine, Plt B1, Location SBB~~
~~S-13, Stationary IC Engine, Plt B2, Location SBB~~
~~S-14, Stationary IC Engine, Plt B3, Location SBB~~

~~1. The owner/operator shall ensure that t~~These ~~engines shall be~~are ~~fired on natural gas, sewage sludge digester gas, landfill gas, or any combination thereof. (Basis: Cumulative Increase)~~

~~2. The owner/operator shall ensure that~~ NOx emissions, ~~expressed as NO2, shall~~ do ~~not exceed 140 ppmv NOx at 15% O2. (Basis: 9-8-301.2, 302.1)~~

~~3. The owner/operator shall ensure that~~ CO emissions shall ~~do not exceed 2000 ppmv at 15% O2. (Basis: 9-8-301.3, 9-8-302.3)~~

~~4. NMHC emission Limits~~

~~a. Landfill Gas Combustion Operations: The owner/operator shall ensure that t~~This source shall achieves ~~a NMHC emission reduction from landfill gas combustion of at least 98% by weight or shall emit less than 120 ppm by volume of NMHC, dry basis, as methane corrected to 3% oxygen. (Basis: Regulation 8-34-301.4)~~

~~b. Digester Gas Combustion: The owner/operator shall ensure that NMHC concentration of engine exhaust from digester gas combustion shall do not exceed 250 ppmv at 15% O2. (Basis: Cumulative Increase)~~

~~5. Thermal Capacity Limitations: The owner/operator shall ensure that the t~~Total thermal throughput ~~does~~shall not exceed the following limits ~~(Basis: Cumulative Increase)~~

# VI. Permit Conditions

S-9 19.9 MM Btu/hr
S-10 19.9 MM Btu/hr
S-11 19.9 MM Btu/hr
S-12 15.7 MM Btu/hr
S-13 15.7 MM Btu/hr
S-14 15.7 MM Btu/hr

6. The owner/operator shall ensure that uUnder no circumstances isshall supplied landfill gas be vented to the atmosphere. (Basis: 8-34-301)

7. Monitoring Equipment

The owner/operator shall ensure that tThe following equipment isshall be installed, and used to assist in demonstrating compliance with the NMHC emission standards and thermal capacity limitations:

a. Flow meters on each gas supply line to determine relative component fuel gas flow to each engine.

b. Calorimeters of fuel gas mixture feed to engines.

c. Calorimeter or Gas Chromatograph on landfill gas feed to mixing station.

d. Engine cylinder thermocouples & recording instruments.

The owner/operator shall ensure that the above equipment isshall be maintained in good working order. (Basis: Regulation 8-34-508)

8. Key Operating Parameter

a. Effective January 1, 2007, the owner/operator shall measure the cylinder exhaust of S-9, S-10, S-11, S-12, S-13, and S-14 using a continuous temperature monitor(s) and recorder meeting the requirements of 40 CFR 60.756(b)(1).
b. Effective January 1, 2007, except as a result of loss in utility power or natural gas supply or during the first 5 minutes of landfill gas use during engine startup, the owner/operator shall ensure that any engine with a cylinder exhaust temperature below 600 F shall beis shutdown within 5 minutes of measuring the temperature.
c. Effective January 1, 2007, the owner/operator shall ensure that all records areshall be retained onsite for five years from the date of entry, and made

# VI. Permit Conditions

available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

9. Performance Testing to Demonstrate Compliance

a. Deleted upon issuance of Title V Renewal (2006).

b. Ongoing Compliance Testing: The owner/operator shall ensure that a performance test is conducted on each engine at least once every 8760 hrs of engine operation after the previous performance test. The performance test shall be conducted in accordance with District test procedures to demonstrate compliance with the NOx, CO, and NMHC limits required by parts 2, 3, and 4. The owner/operator may submit an alternative monitoring plan to the District for approval. If the alternative monitoring plan is approved, the plan shall supersede the above 8760 hour source testing requirement for all pollutants except NMHC. Approvals shall be processed using the permit modification procedure contained in Regulation 2, Rule 6. (Basis: Regulation 2-6-409.2)

c. NMHC Emissions Testing to Demonstrate Compliance: The owner/operator shall ensure that a performance test for NMHC is conducted on each engine at least once every 8760 hrs of engine operation after the previous performance test. All performance tests for NMHC emissions shall be conducted in accordance with the methods and test specifications identified in Regulation 8-34-412 and shall determine NMHC emissions in ppm at 3% oxygen as methane, dry. The results of the source test shall be compared against the maximum allowable NMHC emission levels.

The maximum allowable ppmv concentration of NMHC at 3 percent oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (operated by International Disposal Corporation of California, plant 9013), Section 4.9 (1). The actual ppmv concentration of NMHC emissions at 3% oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (IDCC, plant 9013), Section 4.9 (2).

10. To determine compliance with the above conditions, the Permit HolderOwner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions. (Basis: Regulation 2-6-409.2)

# VI. Permit Conditions

~~a. Monthly records of the quantity of gaseous fuels (therms) burned at this source.~~

~~b. Records of all landfill gas and digester gas methane content measurements.~~

~~c. Daily records of methane throughput to this source, summarized on a monthly basis.~~

~~d. Records of key emission control system operating parameter readings (as noted in Condition 8, above).~~

~~e. Records of all compliance demonstration test data.~~

~~f. Monthly records shall be totaled for each consecutive 12-month period.~~

~~The owner/operator shall ensure that a~~All records shall be~~are~~ ~~retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.~~

Condition Change for Sources S-9, S-10, S-11, S-12, S-13 and S-14; Condition#: 17899

S-9 2345 Bhp Stationary IC Engine,Plt A3, Location SBB
S-10 2345 Bhp Stationary IC Engine, Plt A2, Location SBB
S-11 2345 Bhp Stationary IC Engine, Plt A1, Location SBB
S-12 1855 Bhp Stationary IC Engine, Plt B1, Location SBB
S-13 1855 Bhp Stationary IC Engine, Plt B2, Location SBB
S-14 1855 Bhp Stationary IC Engine, Plt B3, Location SBB

1. The Owner/Operator of engines S-9, S-10, S-11, S-12, S-13, and S-14 shall fire the engines on natural gas, sewage sludge digester gas, landfill gas, or any combination thereof. (Basis: Cumulative Increase)

2. The Owner/Operator of engines S-9, S-10, S-11, S-12, S-13, and S-14 shall not exceed 126 ppmv of $NO_X$ emissions expressed as $NO_2$ at 15% O2. (Basis: Cumulative Increase~~9-8-301.2, 302.1~~)

3. The Owner/Operator of engines S-9, S-10, S-11, S-12, S-13, and S-14 shall not exceed 1620 ppmv of CO emissions at 5% O2.
(Basis: Cumulative Increase~~9-8-301.3, 9-8-302.3~~)

4. NMHC emission Limits
   a. Landfill Gas Combustion Operations: The Owner/Operator of engines S-9, S-10, S-11, S-12, S-13, and S-14 shall ~~-~~achieve a NMHC emission reduction from landfill gas combustion of at least 98% by weight or shall emit less than 108 ppm by volume of NMHC, dry basis, as methane corrected to 3% oxygen. (Basis: Regulation 8-34-301.4)

# VI. Permit Conditions

b. Digester Gas Combustion: The Owner/Operator of engines S-9, S-10, S-11, S-12, S-13, and S-14 shall not exceed 225 ppmv of NMHC at 15% O2 from Digester gas combustion. (Basis: Cumulative Increase)

5. Thermal Capacity Limitations: The Owner/Operator of S-9, S-10, S-11, S-12, S-13, and S-14 total thermal throughput shall not exceed the following limits (Basis: Cumulative Increase)

| | |
|---|---|
| S-9 | 525.4 MM Btu/ day |
| S-10 | 525.4 MM Btu/ day |
| S-11 | 525.4 MM Btu/ day |
| S-12 | 415.5 MM Btu/ day |
| S-13 | 415.5 MM Btu/ day |
| S-14 | 415.5 MM Btu/ day |

6. The Owner/Operator of S-9, S-10, S-11, S-12, S-13 and S-14 shall not vent supplied landfill gas to the atmosphere. (Basis: 8-34-301)

7. Monitoring Equipment
The Owner/Operator of S-9, S-10, S-11, S-12, S-13, and S-14 shall install and use the following equipment to assist in demonstrating compliance with the NMHC emission standards and thermal capacity limitations:
   a. Flow meters on each gas supply line to determine relative component fuel gas flow to each engine.
   b. Calorimeters of fuel gas mixture feed to engines.
   c. Calorimeter or Gas Chromatograph on landfill gas feed to mixing station.
   d. Engine cylinder thermocouples & recording instruments.

   The above equipment shall be maintained in good working order. (Basis: Regulation 8-34-508)

8. Key Operating Parameter
   a. Effective January 1, 2007, the Owner/Operator of S-9, S-10, S-11, S-12, S-13 and S-14 shall measure the cylinder exhaust of S-5 and S-7 using a continuous temperature monitor(s) and recorder meeting the requirements of 40 CFR 60.756(b)(1).
   b. Effective January 1, 2007, the Owner//Operator of S-9, S-10, S-11, S-12, S-13 and S-14, except as a result of loss in utility power or natural gas supply or during the first 5 minutes of landfill gas use during engine startup, any engine with a cylinder exhaust temperature below $600^0$F shall be shut down within 5 minutes of measuring the temperature.
   c. The Owner/Operator of S-9, S-10, S-11, S-12, S-13 and S-14 shall retain onsite all records for five years from the date of entry, and make them available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

9. Performance Testing to Demonstrate Compliance
   a. Deleted upon issuance of Title V Renewal (2006).

# VI. Permit Conditions

b. Ongoing Compliance Testing: The Owner/Operator of S-9, S-10, S-11, S-12, S-13 and S-14 Owner/Operator shall ensure that a performance test is conducted on each engine at least once every 8760 hrs of engine operation after the previous performance test. The performance test shall be conducted in accordance with District test procedures to demonstrate compliance with the NOx, CO, and NMHC limits required by parts 2, 3, and 4. The Owner/Operator may submit an alternative monitoring plan to the District for approval. If the alternative monitoring plan is approved, the plan shall supersede the above 8760 hour source testing requirement for all pollutants except NMHC. Approvals shall be processed using the permit modification procedure contained in Regulation 2, Rule 6. (Basis: Regulation 2-6-409.2)

c. NMHC Emissions Testing to Demonstrate Compliance: The Owner/Operator of S-9, S-10, S-11, S-12, S-13 and S-14 Owner/Operator shall ensure that a performance test for NMHC is conducted on each engine at least once every 8760 hrs of engine operation after the previous performance test. All performance tests for NMHC identified in Regulation 8-34-412 and shall determine NMHC emissions in ppm at 3% oxygen as methane, dry. The results of the source test shall be compared against the maximum allowable NMHC emission levels. The maximum allowable ppmv concentration of NMHC at 3 percent oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (operated by International Disposal Corporation of California, plant 9013), Section 4.9 (1). The actual ppmv concentration of NMHC emissions at 3% oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island landfill (IDCC, plant 9013), Section 4.9 (2).

10. The Owner/Operator of S-9, S-10, S-11,S-12,S-13 and S-14, to determine compliance with the above conditions, shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions.
(Basis: Regulation 2-6-409.2)

a. Monthly records of the quantity of gaseous fuels (therms) burned at this source.
b. Records of all landfill gas and digester gas methane content measurements.
c. Daily records of methane throughput to this source, summarized on a monthly basis.
d. Records of key emission control system operating parameter readings (as noted in Condition 8, above).
e. Records of all compliance demonstration test data.
f. Monthly records shall be totaled for each consecutive 12-month period.

All records shall be retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

~~**Condition 17900**~~
~~For S-36, Engine Generator 2 - Cogen Unit, Plt EG-2~~
~~S-37, Engine Generator 3 - Cogen Unit, Plt EG-3~~

# VI. Permit Conditions

1. The owner/operator shall ensure that tThese engines shall beare fired on natural gas, sewage sludge digester gas, landfill gas, or any combination thereof. (Basis: Cumulative Increase)

2. The owner/operator shall ensure that eEmissions of NOx shall do not exceed 1.8 grams per hp-hr per engine. (Basis: BACT)

3. The owner/operator shall ensure that eEmissions of CO doshall not exceed 546 lb per engine in any consecutive 24 hour period. (Basis: Cumulative Increase)

4. The owner/operator shall ensure that eEmissions of TSP doshall not exceed 36.4 lb per engine in any consecutive 24 hour period. (Basis: Cumulative Increase)

5. NMHC Emission Limits

   a. Daily Limit: The owner/operator shall ensure that NMHC emissions doshall not exceed 87.8 lb per engine in any consecutive 24 hour period. (Basis: Cumulative Increase)

   b. Landfill Gas Combustion Operations: The owner/operator shall ensure that tThis source shall achieves a NMHC emission reduction from landfill gas combustion of at least 98% by weight or shall emits less than 120 ppm by volume of NMHC, dry basis, as methane corrected to 3% oxygen. (Basis: Regulation 8-34-301.4)

6. Thermal Capacity Limitations: The owner/operator shall ensure that tTotal thermal throughput doesshall not exceed the following limits (Basis: Cumulative Increase)

   S-36 30 MM Btu/hr
   S-37 30 MM Btu/hr

7. The owner/operator shall ensure that uUnder no circumstances isshall supplied landfill gas be vented to the atmosphere. (Basis: 8-34-301)

8. Monitoring Equipment
   The owner/operator shall ensure that tThe following equipment shall beis installed, and used to assist in demonstrating compliance with the NMHC emission standards and thermal capacity limitations:

   a. Flow meters on each gas supply line to determine relative component fuel gas flow to each engine.
   b. Calorimeters of fuel gas mixture feed to engines.

# VI. Permit Conditions

c. Calorimeter or Gas Chromatograph on landfill gas feed to mixing station.
d. Engine cylinder thermocouples & recording instruments.

The above equipment shall be maintained in good working order.(Basis: Regulation 8-34-508)

9. Key Operating Parameter

a. Effective January 1, 2007, the owner/operator shall measure the cylinder exhaust of S-36 and S-37 using a continuous temperature monitor(s) and recorder meeting the requirements of 40 CFR 60.756(b)(1).
b. Effective January 1, 2007, except as a result of loss in utility power or natural gas supply or during the first 5 minutes of landfill gas use during engine startup, the owner/operator shall ensure that any engine with a cylinder exhaust temperature below 600 F shall beis shutdown within 5 minutes of measuring the temperature.
c. Effective January 1, 2007, the owner/operator shall ensure that all records shall beare retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

10. Performance Testing to Demonstrate Compliance

a. Deleted upon issuance of Title V Renewal (2006).

b. Ongoing Compliance Testing: The owner/operator shall ensure that a performance test is conducted on each engine at least once every 8760 hrs of engine operation after the previous performance test. The performance test shall be conducted in accordance with District test procedures to demonstrate compliance with the NOx, CO, and TSP limits required by parts 2, 3, and 4.

The owner/operator may submit an alternative monitoring plan to the District for approval. If the alternative monitoring plan is approved, the plan shall supersede the above 8760 hour source testing requirement for all pollutants except NMHC. Approvals shall be processed using the permit modification procedure contained in Regulation 2, Rule 6. (Basis: Regulation 2-6-409.2)

c) NMHC Emissions Testing to Demonstrate Compliance: The owner/operator shall ensure that a performance test for NMHC is conducted on each engine at least once every 8760 hrs of engine operation after the previous performance test. All performance tests for NMHC emissions shall be conducted in

## VI. Permit Conditions

~~accordance with the methods and test specifications identified in Regulation 8-34-412 and shall determine NMHC emissions in ppm at 3% oxygen as methane, dry. The results of the source test shall be compared against the maximum allowable NMHC emission levels.~~

~~The maximum allowable ppmv concentration of NMHC at 3 percent oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (operated by International Disposal Corporation of California, plant 9013), Section 4.9 (1). The actual ppmv concentration of NMHC emissions at 3% oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (IDCC, plant 9013), Section 4.9 (2).~~

# VI. Permit Conditions

**Condition 17900**
For S-38, Boiler, Low NOx
S-39, Boiler, Low NOx

11. The owner/operator shall ensure that tThese boilers may beare fired on natural gas only. (Basis: Cumulative Increase)

12. Deleted 02/07/2005.

13. Deleted 02/07/2005.

14. The owner/operator shall ensure that District approved flowmeters, to measure fuel flow into the boiler, shall beare installed prior to any operation and maintained in good working order. (Basis: Regulation 2-6-409.2)

15. Thermal Capacity Limitations: The owner/operator shall ensure that the tTotal thermal throughput doesshall not exceed the following limits (Basis: Cumulative Increase)

| | |
|---|---|
| S-38 | 12.5 MM Btu/hr |
| S-39 | 12.5 MM Btu/hr |

**Condition 17900**
For S-36, Engine Generator 2 - Cogen Unit, Plt EG-2
S-37, Engine Generator 3 - Cogen Unit, Plt EG-3
S-38, Boiler, Low NOx
S-39, Boiler, Low NOx
(combined)

16. The owner/operator shall ensure that the combined emissions of NOx from S-36, S-37, S-38 and S-39 shall do not exceed a total of 774 lb. in any consecutive 24 hour period.
(Basis: BACT, Cumulative Increase)

17. The owner/operator shall ensure that the combined emissions of SO2 from S-36, S-37, S-38 and S-39 doshall not exceed a total of 150 lb. in any consecutive 24 hour period.
(Basis: Cumulative Increase)

18. To determine compliance with the above conditions, the Permit Holderowner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions. (Basis: Regulation 2-6-409.2)

# VI. Permit Conditions

a. Monthly records of the quantity of gaseous fuels (therms) burned at this source.

b. Records of all landfill gas and digester gas methane content measurements.

c. Daily records of methane throughput to this source, summarized on a monthly basis.

d. Records of key emission control system operating parameter readings (as noted in Condition 9, above).

e. Records of all compliance demonstration test data.

f. Monthly records shall be totaled for each consecutive 12-month period.

The owner/operator shall ensure that aAll records shall beare retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

19. Within 60 days of issuance of the 2006 Title V renewal permit and annually thereafter,On an annual basis Tthe owner/operator shall conduct District approved source tests on S-38 and S-39, on an annual basis, to determine compliance with the nitrogen oxide and carbon monoxide limits of Regulation 9-7-301. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. (basis: 9-7-301, 2-6-409.2)

20. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. (basis: 9-7-301)

**Condition# 17900**

Condition number 17900 covers Sources S-36, S-37, S-38 and S-39. However the sources that are subject to condition change are S-36 and S-37.

S-36, Engine Generator 2, Cogen Unit, Plt EG-2
S-37, Engine Generator 3, Cogen Unit, Plt EG-3

## VI. Permit Conditions

1. The Owner/Operator of S-36 and~~,~~ S-37 shall fire the engines on natural gas, sewage sludge digester gas, landfill gas, or any combination thereof.
(Basis: Cumulative Increase)

2. The Owner/Operator of S-36 and~~,~~ S-37 shall not exceed 1.6 grams per hp-hr of $NO_X$ emissions per engine. (Basis: BACT)

3. The Owner/Operator of S-36 and~~,~~ S-37 shall not exceed 546 lb per engine of CO emissions in any consecutive 24-hour period. (Basis: Cumulative Increase)

4. The Owner/Operator of S-36 and~~,~~ S-37 shall not exceed 36.4 lb per engine of $PM_{10}$ in any consecutive 24-hour period. (Basis: Cumulative Increase)

5. NMHC Emission Limits
   a. Daily Limit: The Owner/Operator of S-36 and~~,~~ S-37 shall not exceed 87.8 lb per engine of NMHC in any consecutive 24-hour period.
   (Basis: Cumulative Increase)

   b. Landfill Gas Combustion Operations:
   The Owner/Operator of S-36~~,~~ and S-37 shall achieve a NMHC emission reduction from landfill gas combustion of at least 98% by weight or shall emit less than 108 ppm by volume of NMHC, dry basis, as methane corrected to 3% oxygen.
   (Basis: Regulation 8-34-301.4)

6. Thermal Capacity Limitations: The Owner/Operator of S-36 and~~,~~ S-37 shall not exceed the following total thermal throughput limits.
(Basis: Cumulative Increase)

S-36 792 MM Btu/ day
S-37 792 MM Btu/day

7. The Owner/Operator of S-36 and~~,~~ S-37 shall not vent supplied landfill gas to the atmosphere untreated. (Basis: 8-34-301)

8. Monitoring Equipment: The Owner/Operator of S-36~~,~~ and S-37 shall install, and use the following equipment to assist in demonstrating compliance with the NMHC emission standards and thermal capacity limitations:
   a. Flow meters on each gas supply line to determine relative component fuel gas.
   b. Flow to each engine.
   c. Calorimeters of fuel gas mixture feed to engines.
   d. Calorimeter or Gas Chromatograph on landfill gas feed to mixing station.

## VI. Permit Conditions

e. Engine cylinder thermocouples & recording instruments.

The above equipment shall be maintained in good working order. (Basis: Regulation 8-34-508)

9. Key Operating Parameter

a. Effective January 1, 2007, the Owner/Operator of S-36 and~~,~~ S-37 shall measure the cylinder exhaust of S-36 and S-37 using a continuous temperature monitor(s) and recorder meeting the requirements of 40 CFR 60.756(b)(1).

b. Effective January 1, 2007, except as a result of loss in utility power or natural gas supply or during the first 5 minutes of landfill gas use during engine startup, any engine with a cylinder exhaust temperature below $600^0$F shall be shut down by the Owner/Operator within 5 minutes of measuring the temperature.

c. Effective January 1, 2007, the Owner/Operator of S-36 and S-37 shall retain all records onsite for five years from the date of entry and make available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

10. Performance Testing to Demonstrate Compliance

a. Deleted upon issuance of Title V Renewal (2006).

b. Ongoing Compliance Testing: The Owner/Operator of S-36 and~~,~~ S-37 shall ensure that a performance test is conducted on each engine at least once every 8760 hrs of engine operation after the previous performance test. The performance test shall be conducted in accordance with District test procedures to demonstrate compliance with the NOx, CO, and TSP limits required by parts 2, 3 and 4. The Owner/Operator of S-36, S-37 may submit an alternative monitoring plan to the District for approval. If the alternative monitoring plan is approved, the plan shall supersede the above 8760-hour source testing requirement for all pollutants except NMHC. Approvals shall be processed using the permit modification procedure contained in Regulation 2, Rule 6. (Basis: Regulation 2-6-409.2)

c. NMHC Emissions Testing to Demonstrate Compliance: The Owner/Operator of S-36 and~~,~~ S-37 shall ensure that a performance test for NMHC is conducted on each engine at least once every 8760 hrs of engine operation after the previous performance test. All performance tests for NMHC emissions shall be conducted in accordance with the methods and test specifications identified in Regulation 8-34-412 and shall determine NMHC emissions in ppm at 3% oxygen as methane, dry. The results of the source test shall be compared against the maximum allowable NMHC emission levels. The maximum allowable ppmv concentration of NMHC at 3 percent oxygen shall be calculated according to the procedure presented in the Gas Collection and Control

## VI. Permit Conditions

System (GCCS) Design Plan for Newby Island Landfill (operated by International Disposal Corporation of California, plant 9013), Section 4.9 (1). The actual ppmv concentration of NMHC emissions at 3% oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (IDCC, plant 9013), Section 4.9 (2).

Conditions specific to following sources:
S-38, Boiler, Low NOx
S-39, Boiler, Low NOx

11. These boilers may be fired on natural gas only.
(Basis: Cumulative Increase)

12. Deleted 02/07/2005.

13. Deleted 02/07/2005.

14. The Owner/Operator of S-38 and~~,~~ S-39 shall install District approved flow meters, to measure fuel flow into the boiler, shall be installed prior to any operation and maintained in good working order.
(Basis: Regulation 2-6-409.2)

15. Thermal Capacity Limitations: The Owner/Operator of S-38 and~~,~~ S-39 ~~——~~shall not exceed the following total thermal throughput limits
(Basis: Cumulative Increase)

S-38: 12.5 MM Btu/hr
S-39: 12.5 MM Btu/hr

Conditions Applicable to the following sources:
S-36, Engine Generator 2 - Cogen Unit, Plt EG-2
S-37, Engine Generator 3 - Cogen Unit, Plt EG-3
S-38, Boiler, Low NOx
S-39, Boiler, Low NOx

16. The Owner/Operator of S-36, S-37, S-38 and S-39 shall not exceed a total of 774 lb. of NOX in any consecutive 24-hour period.
(Basis: BACT, Cumulative Increase)

17. The Owner/Operator of S-36, S-37, S-38 and S-39 shall not exceed a total of 150 lb. of SO2 in any consecutive 24-hour period.
(Basis: Cumulative Increase)

## VI. Permit Conditions

18. The Owner/Operator of S-37, S-38, S-39 and S-39, to determine compliance with the above conditions shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions.
(Basis: Regulation 2-6-409.2)

a. Monthly records of the quantity of gaseous fuels (therms) burned at this source.
b. Records of all landfill gas and digester gas methane content measurements.
c. Daily records of methane throughput to this source, summarized on a monthly basis.
d. Records of key emission control system operating parameter readings (as noted in Condition 9, above).
e. Records of all compliance demonstration test data.
f. Monthly records shall be totaled for each consecutive 12-month period.

All records shall be retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

19. The Owner/Operator of S-38~~,~~ and S-39 within 60 days of issuance of the 2006 Title V renewal permit and annually thereafter shall conduct District approved source tests on S-38 and S-39 to determine compliance with the nitrogen oxide and carbon monoxide limits of Regulation 9-7-301. The Owner/Operator shall submit the source test results to the District staff no later than 60 days after the source test. (basis: 9-7-301, 2-6-409.2)

20. The Owner/Operator of S-36, S-37, S-38 and S-39 shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The Owner/Operator shall comply with all applicable testing requirements as specified in Volume V of the District's Manual of procedures. The Owner/Operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. (basis: 9-7-301)

~~**Condition 17901**~~
~~For S -54, Engine Generator 1~~

~~1. The owner/operator shall ensure that S-54 shall beis fired on sewage sludge digester gas, natural gas, landfill gas, or a blend of any of the above fuels, with a diesel pilot fuel. (Basis:Cumulative Increase)~~

~~2. The owner/operator shall ensure that the tTotal thermal throughput shall does not exceed 28.9 MM Btu/hr.(Basis:Cumulative Increase)~~

# VI. Permit Conditions

3. In the event of catastrophic damage to the natural gas fuel supply, the owner/operator shall ensure that the engine ismay be fired solely on sewage sludge digester gas or landfill gas, with a diesel pilot fuel, or solely on diesel fuel if insufficient sewage sludge digester gas or landfill gas exists. (Basis:Cumulative Increase)

4. The owner/operator shall ensure that San Jose/Santa Clara WWTP shall does not burn diesel fuel with a sulfur content in excess of 0.5% by weight (Basis: Regulation 9-1-304).

   To demonstrate compliance with this limit, the owner/operator shall ensure that every delivery of diesel fuel received onsite shall beis accompanied by a vendor certification of sulfur content or shall beis tested for sulfur content using a District-approved method. The vendor certifications or lab results shall be maintained onsite for at least 5 years and shall be made available to the District upon request. (Basis: Regulation 2-6-409.2, 2-6-501)

5. The owner/operator shall ensure that NOx emissions, calculated as NO2, shall do not exceed 1.0 gram/bhp-hr, except in the event of catastrophic damage to the natural gas fuel supply, when the engine may be fired solely on diesel fuel or solely on sewage sludge digester gas or landfill gas, with a diesel pilot fuel. (Basis: BACT, Cumulative Increase)

6. The owner/operator shall ensure that CO emissions from S-54 shall do not exceed 3.3 grams/bhp-hr. (Basis: BACT, Cumulative Increase)

7. NMHC Emission Limits

   a. Digester Gas or Natural Gas Combustion: The owner/operator shall ensure that NMHC emissions derived from digester gas or natural gas combustion shall do not exceed 0.80 grams/bhp-hr. (Basis: BACT, Cumulative Increase)

   b. Landfill Gas Combustion Operations: The owner/operator shall ensure that tThis source shall achieves a NMHC emission reduction from landfill gas combustion of at least 98% by weight or shall emits less than 120 ppm by volume of NMHC, dry basis, as methane corrected to 3% oxygen. (Basis: Regulation 8-34-301.4)

8. The owner/operator shall ensure that pParticulate emissions from S-54 doshall not exceed 0.085 grams/bhp-hr, except in the event of catastrophic damage to the natural gas fuel supply, when the engine may be fired solely on diesel fuel or solely

# VI. Permit Conditions

on sewage sludge digester gas, or landfill gas, with a diesel pilot fuel. (Basis: Cumulative Increase)

9. The owner/operator shall ensure that tThe total release of emissions from S-54 shall do not exceed the following amounts in any consecutive 365 day period:

NOx 36.2 tons (BACT, Cumulative Increase)
CO 119.4 tons (BACT, PSD)
NMHC 28.9 tons (BACT, Cumulative Increase)
PM10 3.1 tons (Cumulative Increase)
SO2 7.2 tons (Cumulative Increase)

10. The owner/operator shall ensure that the vVisible particulate emissions from S-54 shall do not exceed Ringelmann 1.0. (Basis: Regulation 6-1-301)

11. The owner/operator shall ensure that uUnder no circumstances shall is supplied landfill gas be vented to the atmosphere. (Basis: 8-34-301)

12. Monitoring Equipment

The owner/operator shall ensure that the following equipment shall beis installed, and used to assist in demonstrating compliance with the NMHC emission standards and thermal capacity limitations:

a. Flow meters on each gas supply line to determine relative component fuel gas flow to each engine.
b. Calorimeters of fuel gas mixture feed to engines.
c. Calorimeter or Gas Chromatograph on landfill gas feed to mixing station.
d. Engine cylinder thermocouples & recording instruments.

The owner/operator shall ensure that the above equipment shall beis maintained in good working order. (Basis: Regulation 8-34-508)

13. Key Operating Parameter

a. Effective January 1, 2007, the owner/operator shall measure the cylinder exhaust of S-54 using a continuous temperature monitor(s) and recorder meeting the requirements of 40 CFR 60.756(b)(1).
b. Effective January 1, 2007, except as a result of loss in utility power or natural gas supply or during the first 5 minutes of landfill gas use during engine startup, the owner/operator shall ensure that any engine with a cylinder exhaust temperature below 600 ºF shall beis shutdown within 5 minutes of

# VI. Permit Conditions

measuring the temperature.

c. Effective January 1, 2007, the owner/operator shall ensure that all records shall beare retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

14. Performance Testing to Demonstrate Compliance

a. Deleted upon issuance of Title V Renewal (2006).

b. NOx, CO, TSP Testing: The owner/operator shall ensure that a performance test is conducted on this engine at a frequency of not less than once every 8760 hrs of engine operation after the previous performance test. The performance test shall be conducted in accordance with District test procedures to demonstrate compliance with the NOx, CO, and TSP limits required by parts 5, 6, 8 and 9, respectively. The owner/operator may submit an alternative monitoring plan to the District for approval. If the alternative monitoring plan is approved, the plan shall supersede the above 8760 hour source testing requirement. Approvals shall be processed using the permit modification procedure contained in Regulation 2, Rule 6. (Basis: Regulation 2-6-409.2)

c. NMHC Emissions Testing to Demonstrate Compliance: The owner/operator shall ensure that a performance test is conducted on this engine at a frequency of not less than once every 8760 hrs of engine operation after the previous performance test. All performance tests for NMHC emissions shall be conducted in accordance with the methods and test specifications identified in Regulation 8-34-412 and shall determine NMHC emissions in ppm at 3% oxygen as methane, dry. The results of the source test shall be compared against the maximum allowable NMHC emission levels.

The maximum allowable ppmv concentration of NMHC at 3 percent oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (operated by International Disposal Corporation of California, plant 9013), Section 4.9 (1). The actual ppmv concentration of NMHC emissions at 3% oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (IDCC, plant 9013), Section 4.9 (2).

15. To determine compliance with the above conditions, the Permit HolderOwner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions. (Basis: Regulation 2-6-409.2)

# VI. Permit Conditions

~~a. Daily records of the hours of operation and horsepower or kilowatt output of S-54.~~

~~b. Monthly records of the quantity of gaseous fuels (therms) and distillate oil (gal) burned at this source.~~

~~c. Records of all landfill gas and digester gas methane content measurements.~~

~~d. Daily records of methane throughput to this source, summarized on a monthly basis.~~

~~e. Records of key emission control system operating parameter readings (as noted in Condition 13, above).~~

~~f. Records of all compliance demonstration test data.~~

~~g. Monthly records shall be totaled for each consecutive 12-month period.~~

~~The owner/operator shall ensure that a~~All records shall be~~are~~ ~~retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.~~

**Condition# 17901**
For Source S-54, Engine Generator

1. The Owner/Operator shall only fire S-54 on sewage sludge digester gas, natural gas, landfill gas, or a blend of any of the above fuels, with a diesel pilot fuel. S-54 shall not exceed combusting 27,700 gallons per year of diesel fuel.
(Basis: Cumulative Increase)

2. The Owner/Operator shall not exceed a firing rate of 763 MM Btu/day in S-54.
(Basis: Cumulative Increase)

3. The Owner/Operator of S-54 in the event of catastrophic damage to the natural gas fuel supply, the Owner/Operator may fire S-54 solely on sewage sludge digester gas or landfill gas, with a diesel pilot fuel, or solely on diesel fuel if insufficient sewage sludge digester gas or land fill gas exists.
(Basis: Cumulative Increase)

4. The diesel fuel shall not contain sulfur content in excess of 0.0015% by weight. To demonstrate compliance with this limit, every delivery of diesel oil received onsite shall

## VI. Permit Conditions

be accompanied by a vendor certification of sulfur content or shall be tested for sulfur content using a District-approved method. The vendor certifications or lab results shall be maintained onsite for at least 5 years and shall be made available to the District upon request.
(Basis: Regulation 9-1-304, 2-6-409.2, 2-6-501)

5. NOx emissions, calculated as NO2, shall not exceed 0.9 gram/bhp-hr, except in the event of catastrophic damage to the natural gas fuel supply, when the engine may be fired solely on diesel fuel or solely on sewage sludge digester gas or landfill gas, with a diesel pilot fuel.
(Basis: BACT, Cumulative Increase)

6. CO emissions from S-54 shall not exceed 2.97 grams/bhp-hr.
(Basis: BACT, Cumulative Increase)

7. NMHC Emission Limits
   a. Digester Gas or Natural Gas Combustion: NMHC emissions derived from digester gas or natural gas combustion shall not exceed 0.72 grams/bhp-hr
   (Basis: BACT, Cumulative Increase)
   b. Landfill Gas Combustion Operations:
   This source shall achieve a NMHC emission reduction from landfill gas combustion of at least 98% by weight or shall emit less than 108 ppm by volume of NMHC, dry basis, as methane corrected to 3% oxygen.
   (Basis: Regulation 8-34-301.4)

8. The Owner/Operator of S-54 shall not exceed 0.068 grams/bhp-hr of $PM_{10}$ emissions, except in the event of catastrophic damage to the natural gas fuel supply, when the engine may be fired solely on diesel fuel or solely on sewage sludge digester gas, or landfill gas, with a diesel pilot fuel.
(Basis: Cumulative Increase)

9. The Owner/Operator of S-54 shall not exceed the following total release amounts in any consecutive 365-day period:
   NOx 36.2 tons (BACT, Cumulative Increase)
   CO 119.4 tons (BACT, PSD)
   NMHC 28.9 tons (BACT, Cumulative Increase)
   PM10 3.1 tons (Cumulative Increase)
   SO2 7.2 tons (Cumulative Increase)

10. The Owner/Operator of S-54 shall not emit particulate emissions exceeding Ringelmann 1.0. (Basis: Regulation 6-1-301)

## VI. Permit Conditions

11. The Owner/Operator of S-54 shall not vent supplied landfill gas to the atmosphere. (Basis: 8-34-301)

12. Monitoring Equipment
The Owner/Operator shall install the following equipment, and use it to assist in demonstrating compliance with the NMHC emission standards and thermal capacity limitations:
a. Flow meters on each gas supply line to determine relative component fuel gas flow to each engine.
b. Calorimeters of fuel gas mixture feed to engines.
c. Calorimeter or Gas Chromatograph on landfill gas feed to mixing station.
d. Engine cylinder thermocouples & recording instruments.

The above equipment shall be maintained in good working order. (Basis: Regulation 8-34-508)

13. Key Operating Parameter

a. Effective January 1, 2007, the Owner/Operator of S-54 shall measure the cylinder exhaust of S-54 using a continuous temperature monitor(s) and recorder meeting the requirements of 40 CFR 60.756(b)(1).
b. Effective January 1, 2007, the Owner/Operator of S-54, except as a result of loss in utility power or natural gas supply or during the first 5 minutes of landfill gas use during engine startup, any engine with a cylinder exhaust temperature below $600^0$F shall be shut down within 5 minutes of measuring the temperature.
c. Effective January 1, 2007, The Owner/Operator of S-54 shall retain all records onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

14. Performance Testing to Demonstrate Compliance

a. Deleted upon issuance of Title V Renewal (2006).
b. NOx, CO, ~~TSP~~PM10 Testing: The Owner/Operator of S-54 shall ensure that a performance test is conducted on this engine at a frequency of not less than once every 8760 hrs of engine operation after the previous performance test. The performance test shall be conducted in accordance with District test procedures to demonstrate compliance with the NOx, CO, and ~~TSP~~PM10 limits required by parts 5, 6, 8 and 9, respectively. The Owner/Operator may submit an alternative monitoring plan to the District for approval. If the alternative monitoring plan is approved, the plan shall supersede the above 8760-hour source testing requirement.

# VI. Permit Conditions

Approvals shall be processed using the permit modification procedure contained in Regulation 2, Rule 6. (Basis: Regulation 2-6-409.2)

c. NMHC Emissions Testing to Demonstrate Compliance:

The Owner/Operator of S-54 shall ensure that a performance test is conducted on this engine at a frequency of not less than once every 8760 hrs of engine operation after the previous performance test. All performance tests for NMHC emissions shall be conducted in accordance with the methods and test specifications identified in Regulation 8-34-412 and shall determine NMHC emissions in ppm at 3% oxygen as methane, dry. The results of the source test shall be compared against the maximum allowable NMHC emission levels. The maximum allowable ppmv concentration of NMHC at 3 percent oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (operated by International Disposal Corporation of California, plant 9013), Section 4.9(1). The actual ppmv concentration of NMHC emissions at 3% oxygen shall be calculated according to the procedure presented in the Gas Collection and Control System (GCCS) Design Plan for Newby Island Landfill (IDCC, plant 9013), Section 4.9 (2).

15. The Owner/Operator of S-36, S-37 to determine compliance with the above conditions shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions.
(Basis: Regulation 2-6-409.2)

a. Daily records of the hours of operation and horsepower or kilowatt output of S-54.
b. Monthly records of the quantity of gaseous fuels (therms) and distillate oil (gal) burned at this source.
c. Records of all landfill gas and digester gas methane content measurements.
d. Daily records of methane throughput to this source, summarized on a monthly ~~–~~basis.
e. Records of key emission control system operating parameter readings (as noted in Condition 13, above).
f. Records of all compliance demonstration test data.
g. Monthly records shall be totaled for each consecutive 12-month period.

All records shall be retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

**Condition# 18680**
For S-26, Gasoline Dispensing Island

1. The Phil Tite EVR Phase I Vapor Recovery System, including all associated plumbing and

# VI. Permit Conditions

components, shall be operated and maintained in accordance with the most recent version of California Air Resources Board (CARB) Executive Order VR-101. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.

2. The owner or operator shall conduct and pass a Rotatable Adaptor Torque Test (CARB Test Procedure TP201.1B) and either a Drop Tube/Drain Valve Assembly Leak Test (TP201.1C) or, if operating drop tube overfill prevention devices ("flapper valves"), a Drop Tube Overfill Prevention Device and Spill Container Drain Valve Leak Test (TP201.1D) at least once in each 36-month period. Measured leak rates of each component shall not exceed the levels specified in VR-101.

The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within fifteen (15) days of testing. Start-up tests results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109).

**Condition # 22820**

For S-55, Emergency IC Engine Bldg 40, 500 KW
S-56, Emergency IC Engine CL Bldg, 250 KW
S-57, Emergency IC Engine P&E, 500 KW
~~S-59, IC Engine~~
~~S-211, CH&E 6" Trash Pump # 22317~~
~~S-212, 10" Gorman Rupp Trash Pump # 22312~~
~~S-213, 4" Gorman Rupp Trash Pump # 22314~~
~~S-214, IR Air Compressor # 22107~~
~~S-215, IR Air Compressor # 22104~~
~~S-216, CH&E 6" Trash Pump, # 22306~~

1. Operating for reliability-related activities is limited to 20 hours per year per engine. [Basis: "Stationary Diesel Engine ATCM"~~ section 93115~~, title 17, CA Code of Regulations, ~~sub~~section ~~(e)(2)(B)(3)~~93115.6(b)(3)(A)1.a or Regulation 2-5]

2. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not

## VI. Permit Conditions

limited. [Basis: BAAQMD Regulation 9-8-330 ~~"Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3)] or (e)(2)(B)(3)~~]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis:"Stationary Diesel Engine ATCM" ~~section 93115~~, title 17, CA Code of Regulations, ~~sub~~section93115.10(d)(2)~~(e)(4)(G)(1)~~]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a ~~central location~~central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for each engine(s).

   [Basis: "Stationary Diesel Engine ATCM" ~~section 93115~~, title 17, CA Code of Regulations, ~~sub~~section 93115.10(f)(1)~~(e)(4)(I)~~, (or, Regulation 2-6-501)]

5. At School and Near-School Operation:
   If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

   The owner or operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
   a. Whenever there is a school sponsored activity (if the engine is located on school grounds).
   b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

   "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school

# VI. Permit Conditions

property but does not include unimproved school property.

[Basis: "Stationary Diesel Engine ATCM" ~~section 93115~~, title 17, CA Code of Regulations, ~~sub~~section 93115.6(b)(2)~~(e)(2)(A)(1)] or (e)(2)(B)(2)~~]

**Condition 22850**
For S-66, Emergency Standby Diesel Generator, Perkins, Model:D150-8, 274 BHP, 2008

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

1. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.

    a. Hours of operation for reliability-related activities (maintenance and testing).

    b. Hours of operation for emission testing to show compliance with emission limits.

    c. Hours of operation (emergency).

## VI. Permit Conditions

d. For each emergency, the nature of the emergency condition.

e. Fuel usage for each engine(s). [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

5. At School and Near-School Operation:
If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:

a. Whenever there is a school sponsored activity (if the engine is located on school grounds)

b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session. "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, athletic field, or other areas of school property but does not include unimproved school property. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

# VI. Permit Conditions

~~**Condition # 23208**~~
~~For S-58, 4" Gorman Rupp Trash Pump 22305 Diesel Engine~~
~~S-60, CH&E 6" Trash Pump 22304 Diesel Engine~~
~~S-61, Pump 22315 Diesel Engine~~
~~S-62, Mudcat Booster Pump # 22309 Diesel Engine~~
~~S-63, Mudcat Booster Pump # 22316 Diesel Engine~~
~~S-64, Mudcat Booster Pump # 22311 Diesel Engine~~
~~S-65, Mudcat Booster Pump # 22310 Diesel Engine~~

~~The owner/operator of Sources S-58, S-60, S-61, S-62, S-63, S-64, and S-65 shall comply with the requirements of the Airborne Toxic Control Measure for portable diesel engines when operating these portable diesel engines. [basis: ATCM for Portable Diesel Engines]~~

~~2. By January 1, 2010, the owner/operator shall either surrender the permit(s) to operate or obtain certification that Sources S-58, S-60, S-61, S-62, S-63, S-64, and S-65 meet a federal or California standard for newly manufactured nonroad engine pursuant to 40 CFR Part 89 or Title 13 of the California Code of Regulations. [basis: ATCM for Portable Diesel Engines, Section 93116.3 (b)(1)(A)]~~

~~**Condition # 24188**~~
~~For S-218, LWT BOOSTER Pump Portable Diesel Engine (City ID # 26701)~~
~~S-219, LWT BOOSTER Pump Portable Diesel Engine (City ID # 26702)~~

~~1. The owner/operator shall not exceed 1,040 hours per year per engine. [Basis: Cumulative Increase, Toxics Risk Screening]~~

~~2. The owner/operator shall operate each engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: Cumulative Increase, Toxics Risk Screening]~~

~~3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.~~
~~a. Hours of operation.~~
~~b. Fuel usage for each engine.~~
~~[Basis: Cumulative Increase, Toxics Risk Screening, Regulation 2-6-501]~~

~~r~~~~COND~~**Condition # 24298** ----------
For S-26, Gasoline Dispensing Island
1. The VST EVR Phase II Vapor Recovery System with the Veeder-Root Vapor

## VI. Permit Conditions

Polisher without ISD, including all associated underground plumbing, shall be installed, operated, and maintained in accordance with the most recent revision of the California Air Resources Board (CARB) Executive Order (E.O.). VR-203. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.

2. The owner/operator of the facility shall maintain records in accordance with the following requirements. Records shall be maintained on site and made available for inspection for a period of 24 months from the date the record is made.
   a. Monthly throughput of gasoline pumped, summarized on an annual basis

3. All applicable components shall be maintained to be leak free and vapor tight. Leak Free, as per BAAQMD (District) Regulation 8-7-203, is a liquid leak of no greater than three drops per minute. Vapor Tight, as per District Regulation 8-7-206, is a leak of less than 100 percent of the lower explosive limit on a combustible gas detector measured at a distance of 1 inch from the source or absence of a leak as determined by the District Manual of Procedures, Volume IV, ST-30 or CARB Method TP-201.3.

4. The VST EVR Phase II system with the Veeder-Root Vapor Polisher without ISD shall be capable of demonstrating on- going compliance with the vapor integrity requirements of CARB Executive Order E.O. VR-203. The owner or operator shall conduct and pass the following tests at least once in each consecutive 12-month period following successful completion of start-up testing. Tests shall be conducted and evaluated using the below referenced test methods and standards.
   a. Static Pressure Performance Test - TP-201.3
   b. Dynamic Back Pressure Test - TP-201.4 (7/3/02) in accordance with the condition listed in item 1 of the Vapor Collection Section of E.O. VR-203, Exhibit 2. The dynamic back pressure shall not exceed 0.35" WC @ 60 CFH and 0.62" WC @ 80 CFH
   c. Liquid Removal Test - E.O. VR-203, Exhibit 5, Option 1 (Only test hoses containing more than 25 ml liquid)
   d. Vapor Pressure Sensor Verification Test - E.O. VR-203, Exhibit 8,
   e. Veeder-Root Vapor Polisher Operability Test. E.O. VR-203, Exhibit 11
   f. Veeder-Root Vapor Polisher Emissions Test - E.O. VR-203, Exhibit 12

5. The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted in a District-approved format within thirty days of testing. Start-up tests results submitted to the District must include the application number and the GDF number. (For annual test

## VI. Permit Conditions

results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087 or mail (BAAQMD Source Test Section, 939 Ellis Street, San Francisco CA 94109).

6. The maximum length of the coaxial hose assembly, including breakaway, swivels, and whip hoses, shall be fifteen (15) feet.

7. The dispensing rate shall not exceed ten (10.0) gallons per minute (gpm), nor be less than six (6.0) gpm with the nozzle trigger at the highest setting. Compliance with this condition shall be verified using the applicable provisions of E.O. VR-203, Ex. 5. Flow limiters may not be used.

8. The TLS console controlling the Veeder-Root Vapor Polisher shall be equipped with a printer and have an open RS232 port that is accessible to District staff during operating hours.

9. Except when necessary for testing and maintenance, the Veeder-Root Vapor Polisher shall be on and in automatic vapor processor mode with the inlet valve in the open position per E.O. VR-203, Ex. 2. The handle shall not be removed for any reason.

10. The station shall maintain OSHA-approved access to the Veeder-Root Vapor Polisher. This access should be provided immediately upon request by District personnel

11. Security tags shall be installed and maintained on the Veeder-Root Vapor Polisher. A Veeder-Root Vapor Polisher Operability Test and a Veeder-Root Vapor Polisher Emissions Test shall be performed after the replacement of any damaged or missing tags using the above referenced test methods and subject to the above notification and reporting requirements.

12. Each storage tank vent pipe shall be equipped with a CARB certified pressure/vacuum relief valve as required by the applicable Phase I E.O.. Vents pipes may be manifolded to reduce the number of relief valves needed. No relief valve shall be installed on the Veeder-Root Vapor Polisher outlet.

# VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, either annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

This section is only a summary of the limits and monitoring requirements. In the case of a conflict with any requirement in Section I-VI, the preceding sections take precedence over Section VII.

**Table VII – A**
**Applicable Limits and Compliance Monitoring Requirements**
~~S-4, Stationary Internal Combustion Engine, Plt E1, Location P&E~~
**S-5, Stationary Internal Combustion Engine, Plt E2, Location P&E, 1130 HP**
~~S-6, Stationary Internal Combustion Engine, Plt E3, Location P&E, 1130 HP~~
**S-7, Stationary Internal Combustion Engine, Plt E5, Location P&E, 2466 HP**
~~S-8, Stationary Internal Combustion Engine, Plt E16, Location P&E~~

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOx | SIP Regulation 9-8-301.2 | Y | | 140 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Condition # 17898, Part 10.b | P/A | Source test |
| | SIP Regulation 9-8-302.1 | Y | | 140 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Condition # 17898, Part 10.b | P/A | Source test |
| ~~NOx~~ | ~~BAAQMD Regulation 9-8-301.2~~ | ~~N~~ | | ~~140 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion)~~ | ~~BAAQMD Regulation 9-8-503~~ | ~~P/Q~~ | ~~Portable analyzer~~ |
| ~~NOx~~ | ~~BAAQMD Regulation 9-8-302.1~~ | ~~N~~ | | ~~140 ppmv @ 15% $O_2$, dry (waste gas combustion)~~ | ~~BAAQMD Regulation 9-8-503~~ | ~~P/Q~~ | ~~Portable analyzer~~ |



Renewal date: _____

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – A
## Applicable Limits and Compliance Monitoring Requirements
~~S-4, Stationary Internal Combustion Engine, Plt E1, Location P&E~~
**S-5, Stationary Internal Combustion Engine, Plt E2, Location P&E, 1130 HP**
~~S-6, Stationary Internal Combustion Engine, Plt E3, Location P&E, 1130 HP~~
**S-7, Stationary Internal Combustion Engine, Plt E5, Location P&E, 2466 HP**
~~S-8, Stationary Internal Combustion Engine, Plt E16, Location P&E~~

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOx | BAAQMD Regulation 9-8-301.2 | N | ~~January 1, 2012~~ | 65 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| NOx | BAAQMD Regulation 9-8-302.1 | N | ~~January 1, 2012~~ | 70 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| NOx | BAAQMD Condition # 17898, Part 2 | Y | | ~~140~~126 ppmv @ 15% $O_2$, dry | BAAQMD Condition # 17898, Part 10b | P/A | Source test |
| CO | SIP Regulation 9-8-301.3 | Y | | 2000 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Condition # 17898, Part 10b | P/A | Source test |
| CO | SIP Regulation 9-8-302.3 | Y | | 2000 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Condition # 17898, Part 10b | P/A | Source test |
| CO | BAAQMD Regulation 9-8-301.3 | N | | 2000 ppmv @ 15% $O_2$, dry (natural gas combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| CO | BAAQMD Regulation 9-8-302.3 | N | | 2000 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| CO | BAAQMD Condition # 17898, Part 3 | Y | | ~~2000~~ 1800 ppmv @ 15% $O_2$, dry | BAAQMD Condition # 17898, Part 10.b | P/A | Source test |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – A
## Applicable Limits and Compliance Monitoring Requirements
~~S-4, Stationary Internal Combustion Engine, Plt E1, Location P&E~~
**S-5, Stationary Internal Combustion Engine, Plt E2, Location P&E, 1130 HP**
~~S-6, Stationary Internal Combustion Engine, Plt E3, Location P&E, 1130 HP~~
**S-7, Stationary Internal Combustion Engine, Plt E5, Location P&E, 2466 HP**
~~S-8, Stationary Internal Combustion Engine, Plt E16, Location P&E~~

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NMHC | BAAQMD Regulation 8-2-301 | Y | | ≤ 15 lb/day or ≤ 300 ppm total carbon | None | N | |
| NMHC | BAAQMD Regulation 8-34-301.4 | Y | | 98% by weight or greater reduction efficiency, or emit less than 120 ppm by volume of NMHC at the outlet | BAAQMD Condition # 17898, Parts 10.b and 10.c | P/A | Source test |
| NMHC | BAAQMD Condition # 17898, Part 4.a | Y | | 98% by weight or greater reduction efficiency; or ~~120~~108 ppm by volume by volume of NMHC at the outlet | BAAQMD Condition # 17898, Parts 10.b and 10.c | P/A | Source test |
| NMHC | BAAQMD Condition # 17898, Part 4.b | Y | | ~~250~~225 ppmv @ 15% $O_2$, dry | BAAQMD Condition # 17898, Parts 10.b and 10.c | P/A | Source test |
| Gas Flow | BAAQMD Regulation 8-34-508 | Y | | None | BAAQMD Condition # 17898, Part 8a | P/15 minutes | Gas Flow Meter |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – A
## Applicable Limits and Compliance Monitoring Requirements
~~S-4, Stationary Internal Combustion Engine, Plt E1, Location P&E~~
S-5, Stationary Internal Combustion Engine, Plt E2, Location P&E, 1130 HP
~~S-6, Stationary Internal Combustion Engine, Plt E3, Location P&E, 1130 HP~~
S-7, Stationary Internal Combustion Engine, Plt E5, Location P&E, 2466 HP
~~S-8, Stationary Internal Combustion Engine, Plt E16, Location P&E~~

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Key Parameter | BAAQMD Regulation 8-34-509 | Y | | Except as result of loss in power or natural gas supply or during the first 5 min of landfill gas startup, any engine with a cylinder exhaust temp < 600 ºF shall be shut down within 5 min of measuring the temp | BAAQMD Condition # 17898, Part 9a | C | Temperature Monitor |
| Opacity | BAAQMD Regulation 6-1-301 | ~~Y~~N | | > Ringelmann 1.0 for less than 3 min in any hour | None | N | |
| | SIP 6-301 | Y | | > Ringelmann 1.0 for less than 3 min in any hour | None | N | |
| FP | BAAQMD Regulation 6-1-310 | ~~Y~~N | | 0.15 gr/dscf ~~@ 6% O2~~ | None | N | |
| | SIP 6-310 | Y | | 0.15 gr/dscf ~~@ 6% O2~~ | None | N | |
| Heat Input | BAAQMD Regulation 9-8-306 | N | | Use of diesel for less than 5% of fuel input | BAAQMD Regulation 9-8-502.2 | P/M | Records |
| Heat Input | 40 CFR 63.6675 | Y | | Use of diesel for less than 2% of fuel input (to consider engine to be a spark ignition engine) | BAAQMD Regulation 9-8-502.2 | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – A
## Applicable Limits and Compliance Monitoring Requirements

~~S-4, Stationary Internal Combustion Engine, Plt E1, Location P&E~~
**S-5, Stationary Internal Combustion Engine, Plt E2, Location P&E, 1130 HP**
~~S-6, Stationary Internal Combustion Engine, Plt E3, Location P&E, 1130 HP~~
**S-7, Stationary Internal Combustion Engine, Plt E5, Location P&E, 2466 HP**
~~S-8, Stationary Internal Combustion Engine, Plt E16, Location P&E~~

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Heat Input | BAAQMD Condition # 17898, Part 5 | Y | | Not to exceed ~~S-4: 9.1 MM Btu/hr~~ S-5: ~~9.1~~240 MM Btu/~~hr~~day ~~S-6: 9.1 MM Btu/hr~~ S-7: ~~20.9~~552 MM Btu/~~hr~~day ~~S-8: 20.9 MM Btu/hr~~ | BAAQMD Condition # 17898, Parts 8 and 11 | P/M | Records |
| $SO_2$ | BAAQMD Regulation 9-1-301 | Y | | GLC 0.5 ppm (3 min ave) 0.25 ppm (60 min ave) 0.05 ppm (24 hr ave) | None | N | |
| $SO_2$ | BAAQMD Regulation 9-1-302 | Y | | 300 ppm | BAQMD Condition # 17741, Part 4 | P/W | Monitoring of digester gas sulfur content |
| Diesel Sulfur Content | BAAQMD Regulation 9-1-304 | N | | 0.5% by weight | BAAQMD Condition # 17898, Part 6 | P/E | Certification of diesel sulfur content |
| Diesel Sulfur Content | BAAQMD Condition # 17898, Part 6 | Y | | 0.0015% by weight | BAAQMD Condition # 17898, Part 6 | P/E | Certification of diesel sulfur content |

# VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - B**
**Applicable Limits and Compliance Monitoring Requirements**

**S-9, Stationary IC~~Internal Combustion~~ Engine, 4SLB, Plt A3, Location SBB, 2435 HP**

**S-10, Stationary IC~~Internal Combustion~~ Engine, 4SLB, Plt A2, Location SBB, 2435 HP**

**S–11, Stationary IC~~Internal Combustion~~ Engine, 4SLB, Plt A1, Location SBB, 2435 HP**

**S–12, Stationary IC~~Internal Combustion~~ Engine, 4SLB, Plt B1, Location SBB, 1855 HP**

**S–13, Stationary IC~~Internal Combustion~~ Engine, 4SLB, Plt B2, Location SBB, 1855 HP**

**S-14, Stationary IC~~Internal Combustion~~ Engine, 4SLB, Plt B3, Location SBB, 1855 HP**

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOx | SIP Regulation 9-8-301.2 | Y | | 140 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Condition # 17899, Part 9.b | P/A | Source test |
| | SIP Regulation 9-8-302.1 | Y | | 140 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Condition # 17899, Part 9.b | P/A | Source test |
| ~~NOx~~ | ~~BAAQMD Regulation 9-8-301.2~~ | ~~N~~ | | ~~140 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion)~~ | ~~BAAQMD Regulation 9-8-503~~ | ~~P/Q~~ | ~~Portable analyzer~~ |
| ~~NOx~~ | ~~BAAQMD Regulation 9-8-302.1~~ | ~~N~~ | | ~~140 ppmv @ 15% $O_2$, dry (waste gas combustion)~~ | ~~BAAQMD Regulation 9-8-503~~ | ~~P/Q~~ | ~~Portable analyzer~~ |
| NOx | BAAQMD Regulation 9-8-301.2 | N | ~~January 1, 2012~~ | 65 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| NOx | BAAQMD Regulation 9-8-302.1 | N | ~~January 1, 2012~~ | 70 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |

# VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - B**
**Applicable Limits and Compliance Monitoring Requirements**
**S-9, Stationary IC~~Internal Combustion~~ Engine, 4SLB, Plt A3, Location SBB, 2435 HP**
**S-10, Stationary IC~~Internal Combustion~~ Engine, 4SLB, Plt A2, Location SBB, 2435 HP**
**S–11, Stationary IC~~Internal Combustion~~ Engine, 4SLB, Plt A1, Location SBB, 2435 HP**
**S–12, Stationary IC~~Internal Combustion~~ Engine, 4SLB, Plt B1, Location SBB, 1855 HP**
**S–13, Stationary IC~~Internal Combustion~~ Engine, 4SLB, Plt B2, Location SBB, 1855 HP**
**S-14, Stationary IC~~Internal Combustion~~ Engine, 4SLB, Plt B3, Location SBB, 1855 HP**

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOx | BAAQMD Condition # 17899, Part 2 | Y | | ~~140~~126 ppmv @ 15% $O_2$, dry | BAAQMD 17899, Part 9.b | P/A | Source test |
| CO | BAAQMD Regulation 9-8-301.3 | Y | | 2000 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Condition # 17899, Part 9.b | P/A | Source test |
| | BAAQMD Regulation 9-8-302.3 | Y | | 2000 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Condition # 17899, Part 9.b | P/A | Source test |
| CO | BAAQMD Regulation 9-8-301.3 | N | | 2000 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| CO | BAAQMD Regulation 9-8-302.3 | N | | 2000 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| CO | BAAQMD Condition # 17899, Part 3 | Y | | ~~2000~~1620 ppmv @ 15% $O_2$, dry | BAAQMD Condition # 17899, Part 9.b | P/A | Source test |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - B
## Applicable Limits and Compliance Monitoring Requirements

**S-9, Stationary ICInternal Combustion Engine, 4SLB, Plt A3, Location SBB, 2435 HP**

**S-10, Stationary ICInternal Combustion Engine, 4SLB, Plt A2, Location SBB, 2435 HP**

**S–11, Stationary ICInternal Combustion Engine, 4SLB, Plt A1, Location SBB, 2435 HP**

**S–12, Stationary ICInternal Combustion Engine, 4SLB, Plt B1, Location SBB, 1855 HP**

**S–13, Stationary ICInternal Combustion Engine, 4SLB, Plt B2, Location SBB, 1855 HP**

**S-14, Stationary ICInternal Combustion Engine, 4SLB, Plt B3, Location SBB, 1855 HP**

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NMHC | BAAQMD Regulation 8-2-301 | Y | | ≤ 15 lb/day or ≤ 300 ppm total carbon | None | N | |
| NMHC | BAAQMD Regulation 8-34-301.4 | Y | | 98% by weight or greater reduction efficiency, or emit less than 120 ppm by volume of NMHC at the outlet | BAAQMD Condition # 17899, Parts 9.b and 9.c | P/A | Source test |
| NMHC | Condition # 17899, Part 4.a | Y | | 98% by weight or greater reduction efficiency; or 120108 ppm by volume when burning landfill gas | BAAQMD Condition # 17899, Parts 9.b and 9.c | P/A | Source test |
| NMHC | BAAQMD Condition # 17899, Part 4.b | Y | | 250225 ppmv @ 15% $O_2$, dry when burning digester gas | BAAQMD Condition # 17899, Parts 9.b and 9.c | P/A | Source test |
| Gas Flow | BAAQMD Regulation 8-34-508 | Y | | None | BAAQMD Condition # 17899, Part 7a | P/15 minutes | Gas Flow Meter |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - B
## Applicable Limits and Compliance Monitoring Requirements

**S-9, Stationary ICInternal Combustion Engine, 4SLB, Plt A3, Location SBB, 2435 HP**

**S-10, Stationary ICInternal Combustion Engine, 4SLB, Plt A2, Location SBB, 2435 HP**

**S–11, Stationary ICInternal Combustion Engine, 4SLB, Plt A1, Location SBB, 2435 HP**

**S–12, Stationary ICInternal Combustion Engine, 4SLB, Plt B1, Location SBB, 1855 HP**

**S–13, Stationary ICInternal Combustion Engine, 4SLB, Plt B2, Location SBB, 1855 HP**

**S-14, Stationary ICInternal Combustion Engine, 4SLB, Plt B3, Location SBB, 1855 HP**

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Key Parameter | BAAQMD Regulation 8-34-509 | Y | | Except as result of loss in power or natural gas supply or during the first 5 min of landfill gas startup, any engine with a cylinder exhaust temp < 600 °F shall be shut down within 5 min of measuring the temp ~~< 600 °F~~ | BAAQMD Condition # 17899, Part 8a | C | Temperature Monitor |
| Opacity | BAAQMD Regulation 6-1-301 | N~~Y~~ | | > Ringelmann 1.0 for less than 3 min in any hour | | N | |
| | SIP 6-301 | Y | | > Ringelmann 1.0 for less than 3 min in any hour | | N | |
| FP | BAAQMD Regulation 6-1-310 | N~~Y~~ | | 0.15 gr/dscf ~~@ 6 % O2~~ | | N | |
| | SIP 6-310 | Y | | 0.15 gr/dscf ~~@ 6 % O2~~ | | N | |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - B
## Applicable Limits and Compliance Monitoring Requirements

**S-9, Stationary ICInternal Combustion Engine, 4SLB, Plt A3, Location SBB, 2435 HP**

**S-10, Stationary ICInternal Combustion Engine, 4SLB, Plt A2, Location SBB, 2435 HP**

**S–11, Stationary ICInternal Combustion Engine, 4SLB, Plt A1, Location SBB, 2435 HP**

**S–12, Stationary ICInternal Combustion Engine, 4SLB, Plt B1, Location SBB, 1855 HP**

**S–13, Stationary ICInternal Combustion Engine, 4SLB, Plt B2, Location SBB, 1855 HP**

**S-14, Stationary ICInternal Combustion Engine, 4SLB, Plt B3, Location SBB, 1855 HP**

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Heat Input | BAAQMD Condition # 17899, Part 5 | Y | | Not to exceed S-9: 19.9525 MM Btu/hrday S-10: 19.9525 MM Btu/hrday S-11: 19.9525 MM Btu/hrday S-12: 15.7415 MM Btu/hrday S-13: 15.7415 MM Btu/hrday S-13-14: 15.7415 MM Btu/hrday | BAAQMD Condition # 17899, Parts 7 and 10 | P/M | Records |
| $SO_2$ | BAAQMD Regulation 9-1-301 | Y | | GLC 0.5 ppm (3 min ave) 0.25 ppm (60 min ave) 0.05 ppm (24 hr ave) | | N | |
| | BAAQMD Regulation 9-1-302 | Y | | 300 ppm | BAAQMD Condition # 17741, Part 4 | P/W | Monitoring of digester gas sulfur content |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – C
## Applicable Limits and Compliance Monitoring Requirements
## S–15, Paint Spray Booth
## S-16, Paint Staging Building

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Coating Throughput | BAAQMD Condition # 17737, Part 1 | Y | | 50 gal coating during any consecutive twelve-month period. | BAAQMD Condition # 17737, Part 3 | P/D | Recordkeeping |
| Primer Throughput | BAAQMD Condition # 17737, Part 1 | Y | | 50 gal primer during any consecutive twelve-month period | BAAQMD Condition # 17737, Part 3 | P/D | Recordkeeping |
| Solvent Throughput | BAAQMD Condition # 17737, Part 2 | Y | | 50 gal MEK, 50 gal Mineral Spirits during any consecutive twelve-month period | BAAQMD Condition # 17737, Part 3 | P/D | Recordkeeping |
| VOC | BAAQMD 8-19-301.1 | Y | | Baked coating: 2.3 lb/gal | BAAQMD 8-19-501 | P/W | Recordkeeping |
| | BAAQMD 8-19-301.1 | Y | | Air dried coating: 2.8 lb/gal | BAAQMD 8-19-501 | P/W | Recordkeeping |

## Table VII – D
## Applicable Limits and Compliance Monitoring Requirements
## S-26, Gasoline Dispensing Island

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – D
## Applicable Limits and Compliance Monitoring Requirements
## S-26, Gasoline Dispensing Island

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Gasoline Throughput | BAAQMD Condition # 17738, Part 1 | N | | 50,000 gallons during any consecutive twelve-month period | BAAQMD Condition # 17738, Part 2 | P/M | Records |

## Table VII – E
## Applicable Limits and Compliance Monitoring Requirements
## S-36, Engine Generator 1 – Cogen Unit, 4SLB, Plt EG-2, 3900 HP
## S-37, Engine Generator 2 – Cogen Unit, 4SLB, Plt EG-3, 3900 HP

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOx | SIP Regulation 9-8-301.2 | Y | | 140 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Condition # 17900, Part 10.b | P/A | Source test |
| | SIP Regulation 9-8-302.1 | Y | | 140 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Condition # 17900, Part 10.b | P/A | Source test |
| ~~NOx~~ | ~~BAAQMD Regulation 9-8-301.2~~ | ~~N~~ | | ~~140 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion)~~ | ~~BAAQMD Regulation 9-8-503~~ | ~~P/Q~~ | ~~Portable analyzer~~ |
| ~~NOx~~ | ~~BAAQMD Regulation 9-8-302.1~~ | ~~N~~ | | ~~140 ppmv @ 15% $O_2$, dry (waste gas combustion)~~ | ~~BAAQMD Regulation 9-8-503~~ | ~~P/Q~~ | ~~Portable analyzer~~ |
| NOx | BAAQMD Regulation 9-8-301.2 | N | ~~January 1, 2012~~ | 65 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – E
## Applicable Limits and Compliance Monitoring Requirements
### S-36, Engine Generator 1 – Cogen Unit, 4SLB, Plt EG-2, 3900 HP
### S-37, Engine Generator 2 – Cogen Unit, 4SLB, Plt EG-3, 3900 HP

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOx | BAAQMD Regulation 9-8-302.1 | N | ~~January 1, 2012~~ | 70 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| NOx | BAAQMD Condition # 17900, Part 2 | Y | | ~~1.8~~1.6 gram/bhp-hr | BAAQMD Condition # 17900, Part 10.b | P/A | Source test |
| | BAAQMD Condition # 17900, Part 16 | Y | | 774 lbs/24 hr combined emissions from S-36, S-37, S-38, and S-39 | BAAQMD Condition 17900, Part 18 | P/M | Records |
| CO | BAAQMD Regulation 9-8-301.3 | Y | | 2000 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Condition # 17900, Part 10.b | P/A | Source test |
| CO | BAAQMD Regulation 9-8-302.3 | Y | | 2000 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Condition # 17900, Part 10.b | P/A | Source test |
| CO | BAAQMD Regulation 9-8-301.3 | N | | 2000 ppmv @ 15% $O_2$, dry (natural gas combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| CO | BAAQMD Regulation 9-8-302.3 | N | | 2000 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| CO | BAAQMD Condition # 17900, Part 3 | Y | | 546 lb/24 hr period per engine | BAAQMD Condition # 17900, Part 10.b | P/A | Source test |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – E
## Applicable Limits and Compliance Monitoring Requirements
### S-36, Engine Generator 1 – Cogen Unit, 4SLB, Plt EG-2, 3900 HP
### S-37, Engine Generator 2 – Cogen Unit, 4SLB, Plt EG-3, 3900 HP

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| $SO_2$ | BAAQMD Regulation 9-1-301 | Y | | GLC 0.5 ppm (3 min ave) 0.25 ppm (60 min ave) 0.05 ppm (24 hr ave) | None | N | |
| | BAAQMD Regulation 9-1-302 | Y | | 300 ppm | BAAQMD Condition # 17741, Part 4 | P/W | Monitoring of digester gas sulfur content |
| $SO_2$ | BAAQMD Condition # 17900, Part 17 | Y | | 150 lbs/24 hr combined emissions from S-36, S-37, S-38, and S-39 | BAAQMD Condition # 17900, Part 18 | P/M | Records |
| Opacity | BAAQMD Regulation 6-1-301 | N~~Y~~ | | > Ringelmann 1.0 for less than 3 min in any hour | None | N | |
| | SIP 6-301 | Y | | > Ringelmann 1.0 for less than 3 min in any hour | None | N | |
| FP | BAAQMD Regulation 6-1-310 | N~~Y~~ | | 0.15 gr/dscf ~~@ 6% O2~~ | None | N | |
| | SIP 6-310 | Y | | 0.15 gr/dscf ~~@ 6% O2~~ | None | N | |
| ~~FP~~PM10 | BAAQMD Condition # 17900, Part 4 | Y | | 36.4 lb/24 hr period per engine | BAAQMD Condition # 17900, Part 10.b | P/A | Source test |
| NMHC | BAAQMD Regulation 8-2-301 | Y | | ≤ 15 lb/day or ≤ 300 ppm total carbon | None | N | |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – E
## Applicable Limits and Compliance Monitoring Requirements
### S-36, Engine Generator 1 – Cogen Unit, 4SLB, Plt EG-2, 3900 HP
### S-37, Engine Generator 2 – Cogen Unit, 4SLB, Plt EG-3, 3900 HP

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NMHC | BAAQMD Regulation 8-34-301.4 | Y | | 98% by weight or greater reduction efficiency, or emit less than 120 ppm by volume of NMHC at the outlet | BAAQMD Condition # 17900, Part 10.c | P/A | Source test |
| NMHC | BAAQMD Condition # 17900, Part 5.a | Y | | 87.8 lb/24 hr period per engine | BAAQMD Condition # 17900, Part 10.c | P/A | Source test |
| | BAAQMD Condition # 17900, Part 5.b | Y | | 98% by weight or greater reduction efficiency; or ~~120~~108 ppm by volume | BAAQMD Condition # 17900, Part 10.c | P/A | Source test |
| Gas Flow | BAAQMD Regulation 8-34-508 | Y | | None | BAAQMD Condition # 17900, Part 8a | P/15 minutes | Gas Flow Meter |
| Key Parameter | BAAQMD Regulation 8-34-509 | Y | | Except as result of loss in power or natural gas supply or during the first 5 min of landfill gas startup, any engine with a cylinder exhaust temp < 600 °F shall be shut down within 5 min of measuring the temp ~~< 600 °F~~ | BAAQMD Condition # 17900, Part 9a | P/C | Temperature Monitor |
| Heat Input | BAAQMD Condition # 17900, Part 6 | Y | | Not to exceed S-36: ~~30~~792 MM Btu/~~hr~~day S-37: ~~30~~792 MM Btu/~~hr~~day | BAAQMD Condition # 17900, Part 18 | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - F
## Applicable Limits and Compliance Monitoring Requirements
## S-38, Commercial Boiler, 12.5 MM BTU/hr
## S-39, Commercial Boiler, 12.5 MM BTU/hr

**(The above equipment can be run on~~: digester gas and~~ natural gas only)**

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOx | BAAQMD Regulation 9-7-307.~~93~~1.1 | N~~Y~~ | | ~~30~~15 ppmv, dry at 3% $O_2$ | BAAQMD Condition # 17900, Parts 19 and 20 | P/A | Source test |
| | SIP 9-7-301.1 | Y | | 30 ppmv, dry at 3% $O_2$ | BAAQMD Condition # 17900, Parts 19 and 20 | P/A | Source test |
| | BAAQMD Condition # 17900, Part 16 | Y | | 774 lbs/24 hr combined emissions from S-36, S-37, S-38, and S-39 | BAAQMD Condition # 17900, Part 18 | P/M | Records |
| CO | BAAQMD Regulation 9-7-307.3~~9~~1.3 | N~~Y~~ | | 400 ppmv, dry at 3% $O_2$ | BAAQMD Condition # 17900, Parts 19 and 20 | P/A | Source test |
| | SIP 9-7-301.2 | Y | | 400 ppmv, dry at 3% $O_2$ | BAAQMD Condition # 17900, Parts 19 and 20 | P/A | Source test |
| NMHC | BAAQMD Regulation 8-2-301 | Y | | ≤ 15 lb/day or ≤ 300 ppm total carbon | None | N | |
| Opacity | BAAQMD Regulation 6-1-301 | ~~Y~~N | | > Ringelmann 1.0 for less than 3 min in any hour | None | N | |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - F
## Applicable Limits and Compliance Monitoring Requirements
## S-38, Commercial Boiler, 12.5 MM BTU/hr
## S-39, Commercial Boiler, 12.5 MM BTU/hr

**(The above equipment can be run on~~: digester gas and~~ natural gas only)**

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | SIP 6-301 | Y | | > Ringelmann 1.0 for less than 3 min in any hour | None | N | |
| FP | BAAQMD Regulation 6-1-310 | N~~Y~~ | | 0.15 gr/dscf @ 6% O2 | None | N | |
| | SIP 6-310 | Y | | 0.15 gr/dscf @ 6% O2 | None | N | |
| $SO_2$ | BAAQMD Regulation 9-1-301 | Y | | GLC 0.5 ppm (3 min ave) 0.25 ppm (60 min ave) 0.05 ppm (24 hr ave) | None | N | |
| | BAAQMD Regulation 9-1-302 | Y | | 300 ppm | BAAQMD Condition # 17741, Part 4 | P/W | Monitoring of digester gas sulfur content |
| $SO_2$ | BAAQMD Condition # 17900, Part 17 | Y | | 150 lbs/24 hr combined emissions from S-36, S-37, S-38, and S-39 | BAAQMD Condition # 17900, Part 18 | P/M | Records |
| Heat Input | BAAQMD Condition # 17900, Part 15 | Y | | Not to exceed S-38: 12.5 MM Btu/hr S-39: 12.5 MM Btu/hr | BAAQMD Condition # 17900, Part 18 | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - G
## Applicable Limits and Compliance Monitoring Requirements
## S-52, Sandblast Operations

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| ~~Opacity~~ | ~~BAAQMD Regulation 6-1-301~~ | ~~YN~~ | | ~~> Ringelmann 1.0 for less than 3 min in any hour~~ | ~~None~~ | ~~N~~ | |
| | ~~SIP 6-301~~ | ~~Y~~ | | ~~Ringelmann No. 1~~ | | ~~N~~ | |
| ~~FP~~ | ~~BAAQMD Regulation 6-1-310~~ | ~~YN~~ | | ~~0.15 gr/dscf @ 6% O2~~ | ~~None~~ | ~~N~~ | |
| | ~~SIP 6-310~~ | ~~Y~~ | | ~~0.15 grains/dscf @ 6% $O_2$~~ | | ~~N~~ | |
| | ~~BAAQMD Regulation 6-311~~ | ~~Y~~ | | ~~For process Throughput, P<57,320 lb/hr, The emission Limit (E, pound/hr) is: E = 0.026*P^0.67 For P≥57,320 lb/hr, E=40 pounds/hr~~ | ~~None~~ | ~~N~~ | |
| Opacity | BAAQMD Regulation 12-4-301 | Y | | >Ringelmann 1.0 for less than 3 min in any hour | None | N | None |
| Usage | BAAQMD Condition # 9055, Part 1 | Y | | 30 tons/consecutive 12 months | BAAQMD Condition # 9055, Part 2 | P/M | Recordkeeping |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - H
## Applicable Limits and Compliance Monitoring Requirements
## S-54, Engine Generator, 12 Cylinder Turbocharged LSVB, 4SLB, Plt EG-1, 3900 HP

(The above engine can be run on~~:~~ diesel, digester gas, landfill gas, and natural gas ~~only~~.)

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NOx | ~~BAAQMD~~ SIP Regulation 9-8-301.2 | Y | | 140 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Condition # 17901, Part 14.b | P/A | Source test |
| NOx | ~~BAAQMD~~ SIP Regulation 9-8-302.1 | Y | | 140 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Condition # 17901, Part 14.b | P/A | Source test |
| NOx | ~~BAAQMD~~ SIP Regulation 9-8-301.2 | N | | 140 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| NOx | ~~BAAQMD~~ SIP Regulation 9-8-302.1 | N | | 140 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| NOx | BAAQMD Regulation 9-8-301.2 | N | ~~January 1, 2012~~ | 65 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| NOx | BAAQMD Regulation 9-8-302.1 | N | ~~January 1, 2012~~ | 70 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| | BAAQMD Condition # 17901, Part 5 | Y | | ~~1.0~~0.9 g/bhp-hr (BACT) | BAAQMD Condition # 17901, Part 14.b | P/A | Source test |
| NOx | BAAQMD Condition # 17901, Part 9 | Y | | 36.2 tons/yr | BAAQMD Condition # 17901, Part 15 | P/D & P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - H
## Applicable Limits and Compliance Monitoring Requirements
## S-54, Engine Generator, 12 Cylinder Turbocharged LSVB, 4SLB, Plt EG-1, 3900 HP

**(The above engine can be run on~~:~~ diesel, digester gas, landfill gas, and natural gas ~~only~~.)**

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| CO | BAAQMD Regulation 9-8-301.3 | Y | | 2000 ppmv @ 15% $O_2$, dry (fossil derived fuel combustion) | BAAQMD Condition # 17901, Part 14.b | P/A | Source test |
| | BAAQMD Regulation 302.3 | Y | | 2000 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Condition # 17901, Part 14.b | P/A | Source test |
| CO | BAAQMD Regulation 9-8-301.3 | N | | 2000 ppmv @ 15% $O_2$, dry (natural gas combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| CO | BAAQMD Regulation 9-8-302.3 | N | | 2000 ppmv @ 15% $O_2$, dry (waste gas combustion) | BAAQMD Regulation 9-8-503 | P/Q | Portable analyzer |
| CO | BAAQMD Condition # 17901, Part 6 | Y | | ~~3.3~~2.97 grams/bhp-hr | BAAQMD Condition # 17901, Part 14.b | P/A | Source test |
| CO | BAAQMD Condition # 17901, Part 9 | Y | | 119.4 tons/yr | BAAQMD Condition # 17901, Part 15 | P/D & P/M | Records |
| NMHC | BAAQMD Regulation 8-2-301 | Y | | ≤ 15 lb/day or ≤ 300 ppm total carbon | None | N | |
| NMHC | BAAQMD Regulation 8-34-301.4 | Y | | 98% by weight or greater reduction efficiency, or emit less than 120 ppm by volume of NMHC at the outlet | BAAQMD Condition # 17901, Part 14.c | P/A | Source test |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - H
## Applicable Limits and Compliance Monitoring Requirements
## S-54, Engine Generator, 12 Cylinder Turbocharged LSVB, 4SLB, Plt EG-1, 3900 HP

**(The above engine can be run on~~:~~ diesel, digester gas, landfill gas, and natural gas ~~only~~.)**

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| NMHC | BAAQMD Condition # 17901, Part 7.a | Y | | 0.~~8~~72 grams/bhp-hr for digester gas or natural gas combustion | BAAQMD Condition # 17901, Part 14.c | P/A | Source test |
| NMHC | BAAQMD Condition # 17901, Part 7.b | Y | | 98% by weight or greater reduction efficiency; or ~~120~~108 ppm by volume for landfill gas combustion | BAAQMD Condition # 17901, Part 14.c | P/A | Source test |
| NMHC | BAAQMD Condition # 17901, Part 9 | Y | | 28.9 tons/yr | BAAQMD Condition # 17901, Part 15 | P/D & P/M | Records |
| Gas Flow | BAAQMD Regulation 8-34-508 | Y | | None | BAAQMD Condition # 17901, Part 12a | P/15 minutes | Gas Flow Meter |
| Key Parameter | BAAQMD Regulation 8-34-509 | Y | | Except as result of loss in power or natural gas supply or during the first 5 min of landfill gas startup, any engine with a cylinder exhaust temp < 600 °F shall be shut down within 5 min of measuring the temp ~~< 600 °F~~ | BAAQMD Condition # 17901, Part 13a | P/C | Temperature Monitor |
| $SO_2$ | BAAQMD Regulation 9-1-301 | Y | | GLC 0.5 ppm (3 min ave) 0.25 ppm (60 min ave) 0.05 ppm (24 hr ave) | None | N | |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - H
## Applicable Limits and Compliance Monitoring Requirements
## S-54, Engine Generator, 12 Cylinder Turbocharged LSVB, 4SLB, Plt EG-1, 3900 HP

**(The above engine can be run on~~:~~ diesel, digester gas, landfill gas, and natural gas ~~only~~.)**

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD Regulation 9-1-302 | Y | | 300 ppm (gaseous fuel) | BAAQMD Condition # 17741, Part 4 | P/W | Monitoring of digester gas sulfur content |
| | BAAQMD Regulation 9-1-304 | Y | | Diesel Sulfur Content 0.5% max (wt basis) | BAAQMD Condition # 17901, Part 4 | P/E | Certification Records |
| | BAAQMD Condition # 17901, Part 4 | Y | | Diesel Sulfur Content 0.0015% max (wt. basis) | BAAQMD Condition # 17901, Part 4 | P/E | Certification Records |
| SO2 | BAAQMD Condition # 17901, Part 9 | Y | | 7.2 tons/yr | BAAQMD Condition # 17901, Part 15 | P/D & P/M | Records |
| Opacity | BAAQMD Regulation 6-1-301 | ~~Y~~N | | > Ringelmann 1.0 for less than 3 min in any hour | None | N | |
| | SIP 6-301 | Y | | > Ringelmann 1.0 for less than 3 min in any hour | None | N | |
| | BAAQMD Condition # 17901, Part 10 | Y | | > Ringelmann 1.0 for less than 3 min in any hour | None | N | |
| FP | BAAQMD Regulation 6-1-310 | N~~Y~~ | | 0.15 gr/dscf ~~@ 6% O2~~ | None | N | |
| | SIP 6-310 | Y | | 0.15 grains/dscf ~~@ 6% $O_2$~~ | None | N | |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - H
## Applicable Limits and Compliance Monitoring Requirements
## S-54, Engine Generator, 12 Cylinder Turbocharged LSVB, 4SLB, Plt EG-1, 3900 HP

**(The above engine can be run on~~:~~ diesel, digester gas, landfill gas, and natural gas ~~only~~.)**

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| ~~FP~~PM10 | BAAQMD Condition # 17901, Part 8 | Y | | 0.06~~885~~ grams/bhp-hr | BAAQMD Condition # 17901, Part 14.b | P/A | Source test |
| PM10 | BAAQMD Condition # 17901, Part 9 | Y | | 3.1 tons/yr | BAAQMD Condition # 17901, Part 15 | P/D & P/M | Records |
| Heat Input | BAAQMD Regulation 9-8-306 | N | | Use of diesel for less than 5% of fuel input | BAAQMD Regulation 9-8-502.2 | P/M | Records |
| Heat Input | 40 CFR 63.6675 | Y | | Use of diesel for less than 2% of fuel input (to consider engine to be a spark ignition engine) | BAAQMD Regulation 9-8-502.2 | P/M | Records |
| Heat input | BAAQMD Condition # 17901, Part 1 | Y | | 27,700 gal/yr of diesel fuel | BAAQMD Condition # 17901, Part 15 | P/M | Records |
| | BAAQMD Condition # 17901, Part 2 | Y | | 763 MMbtu/day | BAAQMD Condition # 17901, Part 15 | P/D & P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - I
## Applicable Limits and Compliance Monitoring Requirements
**S-55, EMERGENCY I C ENGINE, DIESEL, BLDG 40 500 KW, 760 HP**
**S-56, EMERGENCY I C ENGINE, DIESEL, CL BLDG 250 KW, 368 HP**
**S-57, EMERGENCY I C ENGINE, DIESEL, P & E, 500 KW, 760 HP**
~~**S-59, I C ENGINE**~~
~~**S-211 CH&E 6" TRASH PUMP, # 22317**~~
~~**S-212 10" GORMAN RUPP TRASH PUMP # 22312**~~
~~**S-213 4" GORMAN RUPP TRASH PUMP # 22314**~~
~~**S-214 IR AIR COMPRESSOR # 22107**~~
~~**S-215 IR AIR COMPRESSOR # 22104**~~
~~**S-216 CH&E 6" TRASH PUMP, # 22306**~~

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Operating Hours | BAAQMD District Regulation 9-8-331.1 | N | | Unlimited hours/yr for emergency use | BAAQMD District Regulation 9-8-530 | P/M | Records |
| | BAAQMD District Regulation 9-8-331.3~~2~~ | N | | 100~~200~~ hrs/yr for reliability-related activities | BAAQMD District Regulation 9-8-530 | P/M | Records |
| Operating Hours | BAAQMD District Condition # 22820, Part 1 | N | | 20 hrs/yr for reliability-related activities | BAAQMD District Condition # 22820, Part 3 and 4 | P/H | Hour Meter; Records |
| | BAAQMD District Condition # 22820, Part 2 | N | | Unlimited hours/yr for emergency use | BAAQMD District Condition # 22820, Part 3 and 4 | P/H | Hour Meter; Records |
| $SO_2$ | BAAQMD Regulation 9-1-301 | Y | | GLC 0.5 ppm (3 min ave) 0.25 ppm (60 min ave) 0.05 ppm (24 hr ave) | None | N | |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII - I
## Applicable Limits and Compliance Monitoring Requirements
## S-55, EMERGENCY I C ENGINE, DIESEL, BLDG 40 500 KW, 760 HP
## S-56, EMERGENCY I C ENGINE, DIESEL, CL BLDG 250 KW, 368 HP
## S-57, EMERGENCY I C ENGINE, DIESEL, P & E, 500 KW, 760 HP
## ~~S-59, I C ENGINE~~
## ~~S-211 CH&E 6" TRASH PUMP, # 22317~~
## ~~S-212 10" GORMAN RUPP TRASH PUMP # 22312~~
## ~~S-213 4" GORMAN RUPP TRASH PUMP # 22314~~
## ~~S-214 IR AIR COMPRESSOR # 22107~~
## ~~S-215 IR AIR COMPRESSOR # 22104~~
## ~~S-216 CH&E 6" TRASH PUMP, # 22306~~

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Diesel Sulfur Content | BAAQMD Regulation 9-1-304 | N | | 0.5% by weight | None | N | |
| Opacity | BAAQMD Regulation 6-303.1 | N~~Y~~ | | > Ringelmann 2.0 for less than 3 min in any hour | None | N | |
| | SIP 6-303.1 | Y | | > Ringelmann 2.0 for less than 3 min in any hour | None | N | |
| FP | BAAQMD Regulation 6-1-310 | N~~Y~~ | | 0.15 gr/dscf ~~@ 6% O2~~ | None | N | |
| | SIP 6-310 | Y | | 0.15 gr/dscf ~~@ 6% O2~~ | None | N | |
| Operating Hours | California Code of Regulations Title 17, Section 93115.6(b)(3)(A)1.a~~(c)(2)(B)3~~ | N | | Maximum Allowable Annual Hours of Operation for Maintenance and Testing ≤ 20 hrs/yr | California Code of Regulations, Title 17, Section 93115.6(b)(3)(A)1.a~~(c)(2)(F)(4)(A)~~ | P/M | Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – J
## Applicable Limits and Compliance Monitoring Requirements
## S-58, 4" Gorman Rupp Trash Pump 22305 Diesel Engine
## S-60, CH&E 6" Trash Pump 22304 Diesel Engine
## S-61, Pump 22315 Diesel Engine
## S-62, Mudcat Booster Pump # 22309 Diesel Engine
## S-63, Mudcat Booster Pump # 22316 Diesel Engine
## S-64, Mudcat Booster Pump # 22311 Diesel Engine
## S-65, Mudcat Booster Pump # 22310 Diesel Engine

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| $SO_2$ | BAAQMD Regulation 9-1-301 | Y | | GLC 0.5 ppm (3-min ave) 0.25 ppm (60-min ave) 0.05 ppm (24-hr ave) | None | N | |
| Diesel Sulfur Content | BAAQMD Regulation 9-1-304 | N | | 0.5% by weight | None | N | |
| | CCR Section 93116.3(a) | N | | CARB Diesel Fuel | CCR Section 93116.3(a) | N | Vendor Certification |
| Opacity | BAAQMD Regulation 6-303.1 | Y | | > Ringelmann 2.0 for less than 3 min in any hour | None | N | |
| FP | BAAQMD Regulation 6-310 | Y | | 0.15 gr/dscf @ 6% O2 | None | N | |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII-J
## Applicable Limits and Compliance Monitoring Requirements
## S-66, EMERGENCY IC GENERATOR, DIESEL, 274 HP

| Type of limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| SO2 | BAAQMD 9-1-301 | N | | GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours | | N | |
| | BAAQMD 9-1-304 | Y | | Sulfur content of fuel <0.5% by weight | | N | |
| Opacity | BAAQMD Regulation 6-1-303 | N | | > Ringelmann 2 for no more than 3 min/hr | | N | |
| | SIP 6-303 | Y | | > Ringelmann 2 for no more than 3 min/hr | | N | |
| FP | BAAQMD 6-1-310 | N | | 0.15 grain/dscf | | N | |
| | SIP 6-310 | Y | | 0.15 grain/dscf | | N | |
| Hours of operation | BAAQMD 9-8-330.1 | Y | | Emergency use for an unlimited number of hours | BAAQMD Cond# 22850, Parts 3 and 4 | P/E | Meter, records |
| | BAAQMD 9-8-330.3 | Y | | Reliability-related activities not to exceed 50 hours in any consecutive 12-month period | BAAQMD Cond# 22850, Part 3 and 4 | P/E | Meter, records |
| | BAAQMD District Condition # 22850, Part 1 | N | | 50 hrs/yr for reliability-related activities | BAAQMD District Condition # 22850, Part 3 and 4 | P/H | Hour Meter; Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII-J
## Applicable Limits and Compliance Monitoring Requirements
## S-66, EMERGENCY IC GENERATOR, DIESEL, 274 HP

| Type of limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| | BAAQMD District Condition # 22850, Part 2 | N | | Unlimited hours/yr for emergency use | BAAQMD District Condition # 22850, Part 3 and 4 | P/H | Hour Meter; Records |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – K
## Applicable Limits and Compliance Monitoring Requirements
## S-100, Municipal Wastewater Treatment Plant

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| Wastewater Throughput | BAAQMD Condition # 17740, Part 1 | Y | | 167 Million gal/day dry<br>360 Million gal/day wet | BAAQMD Condition # 17740, Part 2 | P/D | Records |
| POC | BAAQMD Regulation 8-2-301 | Y | | < 15 lb/day or < 300 ppm total carbon | None | N | |
| $H_2S$ | BAAQMD Regulation 9-2-301 | N | | Ground level concentration of 0.06 ppm H2S over 3 min<br>or<br>0.03 ppm H2S over 60 min | None | N | |

## Table VII - L
## Applicable Limits and Compliance Monitoring Requirements
## S-210, Anaerobic Digesters

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| $H_2S$ | BAAQMD Regulation 9-2-301 | N | | Ground level concentration<br>0.06 ppm H2S over 3 min<br>or<br>0.03 ppm H2S over 60 min | None | N | |
| Digester Gas Sulfur Content | BAAQMD Condition # 17741, Part 3 | Y | | 350 ppm | BAAQMD Condition # 17741, Part 4 | P/W | Weekly digester gas testing |

# VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – M
## Applicable Limits and Compliance Monitoring Requirements
## S-218, LWT BOOSTER PUMP PORTABLE DIESEL ENGINE (CITY ID # 26701)
## S-219, LWT BOOSTER PUMP PORTABLE DIESEL ENGINE (CITY ID # 26702)

| Type of Limit | Citation for Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---|---|---|---|---|---|---|---|
| $SO_2$ | BAAQMD Regulation 9-1-301 | Y | | GLC 0.5 ppm (3 min ave)<br>0.25 ppm (60 min ave)<br>0.05 ppm (24 hr ave) | None | N | |
| Diesel Sulfur Content | BAAQMD Regulation 9-1-304 | N | | 0.5% by weight | None | N | |
| | CCR Section 93116.3(a) | N | | CARB Diesel Fuel | CCR Section 93116.3(a) | N | Vendor Certification |
| Opacity | BAAQMD Regulation 6-1-303.1 | Y | | > Ringelmann 2.0 for less than 3 min in any hour | None | N | |
| FP | BAAQMD Regulation 6-1-310 | Y | | 0.15 gr/dscf @ 6% O2 | None | N | |
| Opacity | SIP Regulation 6-303.1 | Y | | > Ringelmann 2.0 for less than 3 min in any hour | None | N | |
| FP | SIP Regulation 6-310 | Y | | 0.15 gr/dscf @ 6% O2 | None | N | |
| Hours of Operation | BAAQMD Condition # 24188, Part 1 | Y | | ≤ 1040 hours/year | BAAQMD Condition # 24188, Part 3 | P/M | Records |

# VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

**Table VIII**
**Test Methods**

| Applicable Requirement | Description of Requirement | Acceptable Test Methods |
|---|---|---|
| BAAQMD 6-1-301 | Ringelmann No. 1 Limitation | Manual of Procedures, Volume I, Evaluation of Visible Emissions |
| BAAQMD 6-1-310 | Particulate Weight Limitation | Manual of Procedures, Volume IV, ST-15, Particulate; or EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources |
| BAAQMD 9-1-302 | General Emission Limitation | Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample |
| BAAQMD 9-1-304 | Fuel Burning (Liquid and Solid Fuels) | Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils. |
| BAAQMD 9-7-301.1 | Performance Standard, NOx Limits | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD 9-7-301.~~4~~2 | Performance Standard, CO Limits | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| SIP 9-7-301.2 | Performance Standard, CO Limits | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD 9-7-302.1 | Performance Standard, NOx Limits | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD 9-7-302.2 | Performance Standard, CO Limits | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD 9-7-305.1 | Performance Standard, NOx, Limits | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD 9-7-305.2 | Performance Standard, CO Limits | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD 9-7-306.1 | Performance Standard, NOx, Limits | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD 9-7-306.2 | Performance Standard, CO Limits | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |

# VIII. Test Methods

## Table VIII
## Test Methods

| Applicable Requirement | Description of Requirement | Acceptable Test Methods |
|---|---|---|
| BAAQMD Regulation 9-8-301.2 | Fossil Derived Fuel Gas, NOx Limits for Lean Burn Engines | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD Regulation 9-8-301.3 | Fossil Derived Fuel Gas, CO Limits | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD Regulation 9-8-302.1 | Waste Derived Fuel Gas, NOx Limits for Lean Burn Engines | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD Regulation 9-8-302.3 | Waste Derived Fuel Gas, CO Limits | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD Condition # 17900, Part 2 | NOx Limits | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD Condition # 17900, Part 3 | CO Limits | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD Condition # 17900, Part 4 | Filterable Particulate Emissions | Manual of Procedures, Volume IV, ST-15, Particulate; or EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources |
| BAAQMD Condition # 17900, Part 5 | NMHC Emissions | Manual of Procedures Volume IV, ST-7 or EPA Method 25 or 25A |
| BAAQMD Condition # 17901, Part 4 | Diesel Sulfur Content | Manual of Procedures, Volume III, Lab 10 or Vendor Fuel Certification |
| BAAQMD Condition # 17901, Part 5 | NOx Emissions | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |

# VIII. Test Methods

## Table VIII
## Test Methods

| Applicable Requirement | Description of Requirement | Acceptable Test Methods |
|---|---|---|
| BAAQMD Condition # 17901, Part 6 | CO Emissions | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD Condition # 17901, Part 7 | NMHC Emissions | Manual of Procedures Volume IV, ST-7 or EPA Method 25 or 25A |
| BAAQMD Condition- # 17901, Part 8 | Particulate Emissions | Manual of Procedures, Volume IV, ST-15, Particulate; or EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources |
| BAAQMD Condition # 17901, Part 10 | Visible Particles | Manual of Procedures, Volume I, Evaluation of Visible Emissions |
| BAAQMD Condition # 17898, Part 2 | NOx Limits | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD Condition # 17898, Part 3 | CO Limits | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD Condition # 17898, Part 4 | NMHC Limits | Manual of Procedures Volume IV, ST-7 or EPA Method 25 or 25A |
| BAAQMD Condition # 17898, Part 6 | Diesel Sulfur Content | Manual of Procedures, Volume III, Lab 10 or Vendor Fuel Certification |
| BAAQMD Condition # 17899, Part 2 | NOx Limits | Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |

# VIII. Test Methods

## Table VIII
## Test Methods

| Applicable Requirement | Description of Requirement | Acceptable Test Methods |
|---|---|---|
| BAAQMD Condition # 17899, Part 3 | CO Limits | Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling |
| BAAQMD Condition # 17899, Part 4 | NMHC Limits | Manual of Procedures Volume IV, ST-7 or EPA Method 25 or 25A |
| BAAQMD Condition # 17741, Part 3 | Digester Gas Sulfur | Manual of Procedures, Volume IV, ST-21, Total Reduced Sulfur |

# IX. PERMIT SHIELD

Not Applicable

# X. REVISION HISTORY

| | |
|---|---|
| ~~**Initial Proposal:**~~ | ~~**March 8, 2001**~~ |
| **Title V Permit Issuance (Application 17491):** | **June 12, 2001** |
| **Administrative Permit Amendment (no application):** | **October 4, 2001** |
| **Renewal: (Application 14261)** | **June 26, 2007** |
| **Minor Revision Issuance (Application 17755)** | **September 8, 2008** |
| **Minor Revision Issuance (Application 17638)** | **February 17, 2009** |
| **Renewal: (Application 24035)** | ~~**October 31, 2016**~~ |

**Renewal date**

# XI. GLOSSARY

**ACT**
Federal Clean Air Act

**BAAQMD**
Bay Area Air Quality Management District

**BACT**
Best Available Control Technology

**CAA**
The Federal Clean Air Act

**CAAQS**
California Ambient Air Quality Standards

**CEQA**
California Environmental Quality Act

**CFR**
The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

**CO**
Carbon Monoxide

**Cumulative Increase**
The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

**District**
The Bay Area Air Quality Management District

**EPA**
The federal Environmental Protection Agency.

**Excluded**
Not subject to any District regulations.

# XI. Glossary

**Federally Enforceable, FE**
All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

**FP**
Filterable Particulate as measured by BAAQMD Method ST-15, Particulate or EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources.

**HAP**
Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

**IC**
Internal Combustion

**Major Facility**
A facility with potential emissions of: (1) at least 100 tons per year of any regulated air pollutant, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

**MFR**
Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

**MOP**
The District's Manual of Procedures.

**NAAQS**
National Ambient Air Quality Standards

**NESHAPs**
National Emission Standards for Hazardous Air Pollutants. See 40 CFR Parts 61 and 63.

**NMHC**
Non-methane Hydrocarbons (Same as NMOC or POC)

NMOC
Non-methane Organic Compounds (Same as NMHC or POC)

# XI. Glossary

**NOx**
Oxides of nitrogen.

**NSPS**
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by 40 CFR Part 60 and District Regulation 10.

**NSR**
New Source Review. A federal program for pre-construction review and permitting of new and modified sources of those pollutants for which criteria have been established in accordance with Section 108 of the Federal Clean Air Act. Mandated by Title I of the Act and implemented by 40 CFR Parts 51 and 52 and District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

**Offset Requirement**
A New Source Review requirement to provide federally enforceable emission offsets for the emissions from a new or modified source. Applies to emissions of POC, NOx, PM10, and SO2.

**Phase II Acid Rain Facility**
A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from Titles IV and V of the Act.

**POC**
Precursor Organic Compounds (same as NMHC and NMOC)

**PM**
Particulate Matter

**PM10**
Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

**PSD**
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of those air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

**RICE**
Reciprocating Internal Combustion Engine

**SIP**
State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

# XI. Glossary

**SO2**
Sulfur dioxide

**Title V**
Title V of the Federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

**TOC**
Total Organic Compounds (NMOC + Methane, Same as THC)

**THP**
Total Petroleum Hydrocarbons

**TSP**
Total Suspended Particulate

**VOC**
Volatile Organic Compounds

**Units of Measure:**

| | | |
|---|---|---|
| bhp | = | brake-horsepower |
| btu | = | British Thermal Unit |
| g | = | grams |
| gal | = | gallon |
| hp | = | horsepower |
| hr | = | hour |
| lb | = | pound |
| in | = | inches |
| max | = | maximum |
| $m^2$ | = | square meter |
| min | = | minute |
| mm | = | million |
| ppmv | = | parts per million, by volume |
| ppmw | = | parts per million, by weight |
| psia | = | pounds per square inch, absolute |
| psig | = | pounds per square inch, gauge |
| scfm | = | standard cubic feet per minute |
| yr | = | year |