# San Diego County Air Pollution Control District

10124 Old Grove Road
San Diego, CA 92131-1649
(858) 586-2600

# TITLE V OPERATING PERMIT
# APCD2009-PTO-971227

**Issued To:**
Otay Landfill Inc.
Site ID: APCD1989-SITE-07494

**Site Address**
1700 Maxwell Road
Chula Vista, CA 91911
(619) 421-5192

**Mailing Address**
8514 Mast Blvd
Santee, CA 92071

| | |
|---|---|
| **Responsible Official:** | Neil Mohr, Jesus Torres |
| **Facility Contact:** | Gabe Gonzales |
| **Permit Information Contact:** | Marco Cervantes |

Issued by the San Diego County Air Pollution Control District on: _____

This Title V Operating Permit expires on: _____

Signed by: _____ Date: _____

PAULA A. FORBIS, Air Pollution Control Officer

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# PREAMBLE

This Title V Operating Permit consists of this document and all appendices, including District permits incorporated by reference. The facility is subject to all applicable requirements identified within this permit, unless a specific permit shield is specified within this permit. If an applicable requirement is omitted from this permit, the facility is still obligated to comply with such an applicable requirement. The permittee must comply with all of the terms listed in each section of this permit.

This permit contains five major sections: Section I contains the Regulation XIV requirements required to carry out the Title V Operating Permit program. Section II contains the requirements that are applicable to the facility on a facility-wide basis. Section III contains the requirements that are applicable to individual emission units which have been issued District permits or District registration, or which have been determined to be insignificant emission units. Section IV contains terms and requirements pertaining to variance procedures and compliance schedules, if applicable to the facility. Section V contains three appendices. Appendix A contains all the District permits incorporated within this permit. Appendix B contains a table of all SIP approved and District approved rules. Appendix C contains a list of abbreviations used within this permit.

Copies of the Rules and Regulations of the Air Pollution Control District of San Diego County and the Rules and Regulations for San Diego County contained in the State Implementation Plan (SIP) approved by EPA may be obtained at the District. Copies are also available for review at the following locations:

| | | |
|---|---|---|
| SD Air Pollution Control District<br>(Library & Public Review Area) | County of SD Law Library<br>(Downtown) | County of SD Law Library<br>(North County) |
| 10124 Old Grove Road | 1105 Front Street | 325 S. Melrose Dr., Suite 300 |
| San Diego, CA 92131-1649 | San Diego, CA 92101 | Vista, CA 92083 |
| (858) 586-2600 | (619) 531-3900 | (760) 940-4386 |

The current Rules and Regulations of the Air Pollution Control District of San Diego County may also be viewed and downloaded using the following internet address:

www.sdapcd.org

The following addresses should be used to submit any certifications, reports or other information required by this permit:

| | |
|---|---|
| SD Air Pollution Control District | USEPA Region IX |
| Compliance Division | Director of the Air Division Attn: Air-3 |
| 10124 Old Grove Road | 75 Hawthorne Street |
| San Diego, CA 92131-1649 | San Francisco, CA 94105 |

# SECTION I. REGULATION XIV PERMIT REQUIREMENTS

## A. ADMINISTRATIVE PERMIT TERMS

1. This Title V Operating Permit expires 5 years from date of issuance. [Rule 1410]
2. Commencing or continuing operation under this permit to operate shall be deemed acceptance of all terms and conditions specified within this permit. This does not limit the right of the applicant to seek judicial review or seek federal EPA review of a permit term or condition. [Rule 1421]
3. This permit may be modified, revoked, reopened and reissued, or terminated by the District for cause. [Rule 1421]
4. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay the applicability of any permit condition. [Rule 1421]
5. This permit does not convey any property rights of any sort, or any exclusive privilege. [Rule 1421]
6. The need for the permittee to halt or reduce a permitted activity in order to maintain compliance with any term or condition of this permit shall not be a defense for any enforcement action brought as a result of a violation of any such term or condition. [Rule 1421]
7. In the event of challenge to any portion of this permit, the rest of the permit remains valid. [Rule 1421]
8. For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any applicable requirement in this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [Rule 1421]

## B. RENEWAL REQUIREMENTS AND TERMS

1. The permittee shall submit an application for renewal of this permit to the Air Pollution Control Officer at least 12 months, but not more than 18 months, prior to permit expiration. [Rule 1410]
2. If an administratively complete application for renewal of this permit has been submitted to the Air Pollution Control Officer within the dates specified in Section I. B(1), the terms and conditions of this permit shall remain in effect and the source may continue operations under these terms and conditions after February 26, 2014 until the Air Pollution Control Officer issues or denies the permit renewal. [Rule 1410]

## C. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS

1. The permittee shall provide the District access to the facility and all equipment subject to this permit, and access to all required records pursuant to California Health and Safety Code Section 41510. [Rule 1421]
2. The permittee shall maintain all records required by this permit including any calibration, maintenance, and other supporting information and copies of all reports required by this permit for at least five years from their date of creation. Such records shall be maintained on-site for a minimum of three years. [Rule 1421]
3. The permittee shall submit monitoring and recordkeeping summary reports and all other monitoring and recordkeeping reports required by this permit to the District every six months, unless a shorter time frame is required by a specific permit condition contained in Section III of this permit. Unless other dates are specified in Section III, reports for data required to be collected from January 1 through June 30, shall be submitted no later than September 1 of the calendar year, and reports for data required to be collected from July 1 through December 31, shall be submitted no later than March 1 of the following calendar year. The report for the final six months of the year may be consolidated with the annual compliance certification required below. All instances of noncompliance from federally enforceable applicable requirements shall be clearly identified in these reports. (Timely completion of District Certification Reports Form J1 and Form J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421]
4. Each calendar year, the permittee shall submit to the District and to the federal EPA an annual compliance certification, in a manner and form approved in writing by the District, for the previous calendar year that includes the identification of each applicable term or condition of the final permit for which the compliance status is being certified, the compliance status and whether the facility was in continuous or intermittent compliance during the previous calendar year, identification of the method used to determine compliance during the previous calendar year, and any other information required by the District to determine the compliance status. The annual compliance certification for a calendar year shall be submitted no later than March 1 of the following calendar year and may be consolidated with the monitoring and recordkeeping report for the last six months of the year for which compliance is certified. (Timely completion of District Certification Reports Form J1 and Form J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421]
5. Any report submitted to the District or federal EPA pursuant to this permit to comply with a federally enforceable applicable requirement, shall be certified by a responsible official stating that, based on information and belief formed after reasonable inquiry, the report is true, accurate and complete. [Rule 1421]
6. The permittee shall make any trade secret designations of records, documents, or other information submitted to the District or federal EPA in accordance with District Rule 176. [Rule 176]

7. The permittee shall report all deviations from any and all federally enforceable permit terms and conditions including: (a) breakdowns, whether or not they result in excess emissions, (b) deviations that result in excess emissions of any regulated air pollutant, and (c) deviations from monitoring, recordkeeping, reporting and other administrative requirements that do not result in excess emissions. For deviations that result from breakdowns under District Rule 98, the permittee shall report the breakdown within two hours of detection of the breakdown and provide a follow-up written report after corrective actions have been taken. For deviations not due to a breakdown but which result in excess emissions, the permittee shall report the deviation within ten calendar days of detection. For all other deviations where no specific time frame for reporting a deviation applies, the permittee shall report the deviation at the time of the next semi-annual monitoring summary or annual compliance certification, whichever occurs first. If an underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, then the criteria for the applicable requirement shall apply. The report must include the probable cause of such deviations and any corrective actions or preventive measures taken. [Rule 1421]

## D. GENERAL PERMIT REQUIREMENTS

1. The permittee shall comply with all terms and conditions of this permit. This permit consists of this document and Appendices A, B and C. Any noncompliance with the federally applicable terms and conditions of this permit shall constitute a violation of the federal Clean Air Act. Noncompliance with any federally applicable permit term or condition of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. Noncompliance with any District permit term or condition is grounds for enforcement action by the District. [Rule 1421]
2. Upon a written request by the District, the permittee shall furnish to the District any information needed to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit; any information required to determine compliance with this permit; or any records required to be maintained pursuant to this permit. Such information shall be provided within a reasonable time, as specified within the District's written request. [Rule 1421]
3. The permittee shall pay annual fees in accordance with District Rule 40. [Rule 1421]
4. The permittee shall provide access, facilities, utilities and any necessary safety equipment for source testing and inspection upon request of the District. [Rule 19]
5. This permit shall be maintained on-site at all times and be made available to the District upon request. [Rule 1410]
6. The Rule Reference Table provided in Appendix B shall be used to determine whether a cited rule is a federally and District enforceable requirement or a District only enforceable requirement. Any new or revised District rule shall not be considered federally enforceable until the rule is approved by EPA into the SIP. In cases where SIP approval is pending for a revised District rule, the rule citation shall refer to both the current SIP approved rule and the revised District rule. [Rule 1421]

# SECTION II. FACILITY-WIDE REQUIREMENTS

## A. GENERAL PERMIT PROGRAM APPLICABLE REQUIREMENTS

The permittee shall comply with the applicable requirements specified in the Rules and Regulations cited below, unless specifically exempted by the same Rule or Regulation.

| Regulation | Rule Citation | Title |
|---|---|---|
| SDCAPCD Reg. II | 10 | Permits Required |
| SDCAPCD Reg. II | 19 | Provision of Sampling & Testing Facilities |
| SDCAPCD Reg. II | 19.3 | Emission Information |
| SDCAPCD Reg. II | 21 | Permit Conditions |
| SDCAPCD Reg. IV | 60 | Circumvention |
| SDCAPCD Reg. VI | 101 | Burning Control |
| SDCAPCD Reg. VIII | 126 | SD County Emergency Plan - Applicability |
| SDCAPCD Reg. VIII | 131 | Stationary Source Curtailment Plan |
| SDCAPCD Reg. VIII | 132 | Traffic Abatement Plan |

## B. GENERAL PROHIBITORY APPLICABLE REQUIREMENTS

The permittee shall comply with the generally applicable requirements specified in the Rules and Regulations cited below, unless specifically exempted by the same Rule or Regulation. These generally applicable requirements apply on a facility-wide basis to all permitted equipment, registered equipment, and insignificant activities. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more permitted emission units, the requirement is also included in Section III.A. of this permit.

| Regulation | Rule Citation | Title |
|---|---|---|
| SDCAPCD Reg. IV | 50 | Visible Emissions |
| SDCAPCD Reg. IV | 51 | Nuisance |
| SDCAPCD Reg. IV | 67.0 | Architectural Coatings |
| SDCAPCD Reg. IV | 67.17 | Storage of Materials Containing VOC |
| SDCAPCD Reg. IV | 71 | Abrasive Blasting |
| SDCAPCD Reg. X | Subpart A | 40 CFR 60 - NSPS - General Provisions |
| SDCAPCD Reg. XI | Subpart A | 40 CFR 63 - NESHAP - General Provisions |
| SDCAPCD Reg. XI | Subpart M, 361.145 | Standard for Demolition and Renovation |
| SDCAPCD Reg. XI | Subpart M, 361.150 | Standard for Waste Disposal for Manufacturing, Fabricating, Demolition, Renovation, and Spraying Operations |
| 40 CFR Part 82 | Subpart A | Production and Consumption Controls |
| 40 CFR Part 82 | Subpart B | Servicing of Motor Vehicle Air Conditioners |
| 40 CFR Part 82 | Subpart F | Recycling and Emissions Reduction |

### C. PERMIT SHIELDS

1. No permit shield applies.

### D. ADDITIONAL TERMS

1. Any emission unit described in this Title V operating permit as being fired on natural gas, shall only use Public Utility Commission (PUC)-quality natural gas, unless the emission unit permit specifies otherwise. [Rule(s) 53, 62]
2. Records required by this permit shall be considered as being maintained "on-site" if records for the previous 12-month period are available at the stationary source and any additional records are maintained at (specify location in San Diego County) and made readily available to the District upon request. [Rule 21]

## SECTION III. EMISSION UNIT REQUIREMENTS

### A. DISTRICT PERMITTED EMISSION UNITS

The District Permits listed below and attached in Appendix A, including all terms and conditions of such permits, constitute the emission unit portion of this Title V Operating Permit document.

| Permit Number | Source Category |
|---|---|
| APCD2009-PTO-971112 | Active Landfill |
| APCD2014-PTO-002098 | Prime Diesel Engine (ATCM Portable) |
| APCD2014-PTO-002099 | Prime Diesel Engine (ATCM Portable) |
| APCD2016-PTO-002558 | Prime Diesel Engine |
| APCD2011-PTO-000826 | Demolition Materials Process Screen |

### B. REGISTERED AND LEASED EMISSION UNITS

The permittee shall comply with the source specific applicable requirements specified in the Rules and Regulations cited below for all registered emission units, unless specifically exempted by the same Rule or Regulations.

| Regulation | Rule Citation | Title |
|---|---|---|
| SDCAPCD Reg. IV | 52 | Particulate Matter |
| SDCAPCD Reg. IV | 53 | Specific Contaminants |
| SDCAPCD Reg. IV | 54 | Dust and Fumes |
| SDCAPCD Reg. IV | 62 | Sulfur Content of Fuels |
| SDCAPCD Reg. IV | 67.6 | Solvent Cleaning Operations |

| | | |
|---|---|---|
| SDCAPCD Reg. IV | 69.4 | Stationary Reciprocating Internal Combustion Engines |

### C. INSIGNIFICANT EMISSION UNITS AND ACTIVITIES

The permittee shall comply with all applicable requirements for any Insignificant Units located at this facility that are listed at District Regulation XIV, Appendix-A. Insignificant Units at this facility include the following:

- Stationary & portable internal combustion engines with 50 bhp output rating.

### D. ENGINES SUBJECT TO THE FEDERAL NESHAP

1. The permittee is subject to 40 CFR 63 Subpart ZZZZ – *National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE)*. For each stationary RICE with a power rating less than 50 brake horsepower, the permittee must perform the following maintenance:

   a. Change engine oil and filter every 500 hours of operation or annually, whichever comes first; or test the oil in accordance with 40 CFR § 63.6625(i);

   b. Inspect the air cleaner of a compression ignition engine or inspect spark plugs of a spark ignition engine, every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   [40 CFR 63 Subpart ZZZZ § 63.6603(a) and Table 2d]

2. The permittee must keep records of the maintenance conducted on the stationary RICE in order to demonstrate compliance. [40 CFR 63 Subpart ZZZZ § 63.6655(e)]

3. For any stationary RICE with a power rating equal to or greater than 50 brake horsepower, the permittee must apply for a District permit in accordance with District Rule 10. [Rules 10 & 11]

## SECTION IV DISTRICT-ONLY PROVISIONS

### VARIANCE PROCEDURES

The permittee may seek relief from District enforcement action from District-only provisions in the event of a breakdown in accordance with District Rule 98. Notwithstanding the foregoing, the granting by the District of breakdown relief or the issuance by the Hearing Board of a variance does not provide relief from federal enforcement or citizen's suits. [Rule 98]

# SECTION V. APPENDICES

## APPENDIX A: DISTRICT PERMITS

| Permit Number | Source Category |
|---|---|
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**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**
10124 OLD GROVE Road, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO.
APCD2009-PTO-971112

# PERMIT TO OPERATE

The following is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

| | |
|---|---|
| Otay Landfill Inc. | EQUIPMENT ADDRESS |
| Tom Gardner | Otay Landfill Inc. |
| 8514 Mast Blvd. | 1700 Maxwell Road |
| Santee, CA 92071 | Chula Vista, CA 91910 |

## EQUIPMENT DESCRIPTION

An active non-hazardous waste landfill operation that includes quarrying, municipal waste disposal, waste compaction, cover material application, and haul road activities with an associated landfill gas collection and control system consisting of landfill gas (LFG) collection wells, migration probes, piping, fittings, sampling ports, shut-off valves, condensate traps, and 2 enclosed flares.

Perennial: (6 FT DIAMETER by 30 FT HIGH, 48 MM BTU/HR) and

John Zink: (13 FT DIAMETER by 50 FT HIGH, 150 MM BTU/HR).

Flare station equipment includes multiple blowers, a flame arrestor on each flare, liquid knockout vessels, condensate injection equipment, optical flame sensors, stack temperature probes, an in-line landfill gas (LFG) oxygen analyzers, an automatic shut-off valve on each flare, propane fuel, a condensate storage tank, and LFG flow meters.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 21, 40, 50, 51 and 59.

## FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The permittee is subject to and shall comply with the applicable requirements of District Rules 53 and 59, and 40 CFR 63 Subpart AAAA and 40 CFR 60 Subpart WWW. These requirements include, but may not be limited to, the conditions of this permit.

2. The collected landfill gas temperature shall be maintained at less than 55° C (131° F) at each well and the oxygen level shall be less than or equal to 5% or the Nitrogen level shall be less than or equal to 20%. The owner or operator may establish a higher operating temperature,

nitrogen or oxygen value at a particular well, provided that a higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens. [40 CFR 60.753(c)]

3. Temperature gauge maintenance and calibration records shall be maintained for at least five years and made available to the District upon request. [40 CFR 60.758]

4. The Permittee shall maintain a negative pressure within each gas extraction well except under the following conditions:
   a. A fire or increased well temperature. The owner or operator shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports as provided in section 60.757(f);
   b. Use of a Geomembrane or synthetic cover;
   c. Decommissioned well.

   Owner or operator shall record instances when positive pressure occurs and actions taken. An operating pressure gauge with an accuracy of 1% of the pressure measured shall be provided to the District upon request for verifying the pressure. The pressure gauge shall be maintained and calibrated in accordance with the manufacturer's specifications. [40 CFR §§ 60.753(b) and 60.756(a); 17 CCR 95464(c)]

5. The Permittee shall on a monthly basis monitor or conduct testing to verify compliance as follows:
   a. Record pressure, temperature and nitrogen or oxygen content at each well head.
   b. Monitor the temperature and nitrogen or oxygen content at each well head.
   c. The nitrogen level shall be determined using EPA Method 3C or EPA-approved field instrument, or the oxygen level shall be determined using EPA Method 3A, except that:
      i. The span shall be set so the regulatory limit is between 20 and 50 percent of the span;
      ii. A data recorder is not required;
      iii. Only two calibration gases are required, a zero and a span, and ambient air may be used as the span;
      iv. A calibration error check is not required;
      v. The allowable sample bias, zero drift and calibration drift are +/- 10 percent.

   [40 CFR 60.755(a)(5)]

6. The Permittee shall route all the collected landfill gas to the landfill gas destruction system. [40 CFR 60.752(b)(2)(iii); 17 CCR 95464(b)(1)(A)]

7. The landfill gas destruction system shall be operated to reduce non-methane organic compounds (NMOC) 98% by weight or reduce the NMOC outlet concentration to less than 20 ppmv dry basis as hexane at 3% oxygen. [40 CFR 60.752(b)(2)(iii)(B)]

8. The permittee shall monitor the flare exhaust gas temperature. The gas temperature monitoring device shall be equipped with a continuous recorder which has an accuracy of +/- 1% of the

temperature being measured. The temperature monitoring device must be installed, calibrated, maintained, and operated according to the manufacturer's specifications.
[40 CFR 60.756(b)(1); 17 CCR 95469(b)(2)(A)]

9. A thermocouple, designed to be accurate to within 50 degrees F at 1500 degrees F, shall be installed in the flare stack and maintained in good working condition. The temperature of the exhaust gas in the flare stack shall be displayed at the flare station during incineration. [Rule 59]

10. The Permittee shall monitor and record gas flow from the collection system to the flare at least once every 15 minutes. The gas flow rate monitoring device must be installed, calibrated, maintained, and operated according to the manufacturer's specifications. [40 CFR 60.756(b)(2)(i)]

11. The system shall be continuously monitored for the presence of a flare flame.
[40 CFR 60.758(b)(4)]

12. In the event that the gas collection system or the gas combustion device is inoperable, the gas mover system shall be shut down and all valves in the collection system and gas combustion device contributing to venting of the gas to the atmosphere shall be closed within 1 hour or the landfill gas vented to the flare. This provision does not apply to the gas combustion device during periods of start-up shutdown or malfunction. The duration of start-up, shutdown or malfunction shall not exceed 1 hour. [40 CFR 60.753(e)]

13. The total quantity of landfill gas incinerated at the flare station shall not exceed 183,570,000 Btu/hr which is equivalent to approximately 6119 scfm at 50% methane. A meter that measures and displays the landfill gas collection rate shall be installed at the flare station and calibrated at least biennially. [NSR]

14. A shut-off valve shall be in place and maintained at each well head. [Rule 59]

15. Except for a flare ignition and startup not to exceed 15 minutes, permittee shall ensure complete combustion of landfill gases during operation by maintaining the stack gas exit temperature at no less than 1500 degrees (F) or as otherwise specified by the flare manufacturer, averaged over any 15 minute period. Supplemental fuel (natural gas or propane) shall be added as necessary to maintain the required stack gas exit temperature. [NSR]

16. An automatic shut-off device shall stop the flow of landfill gas to the flare whenever conditions of flame-out, low stack temperature, high stack temperature in accordance with manufacturer's specifications, and excessive vacuum (> 5% oxygen by volume in the header piping at the flare station), except for transient conditions lasting not more than 30 seconds or during flare ignition and startup (not to exceed 15 minutes). Supplemental fuel (natural gas or propane) shall be added as necessary to maintain the proper exhaust gas temperature. [Rule 59(d)(7)]

17. There shall be no leaks of landfill gas from the collection system and flare equipment in excess of 1375 ppmv (measured as methane) at a distance of ½ inch from the transfer path, other than non-repeatable, momentary readings. This requirement does not apply during active maintenance, re- pair, or sampling activities. [Rule 59(d)(3)]

18. The Permittee shall implement a program to monitor for landfill cover integrity as required in 40 CFR Part 60.753(d) and implement cover repairs as necessary on a monthly basis. Dangerous areas, for example, those with steep slopes, may be excluded from cover integrity monitoring. [40 CFR 60.753(d)]

19. Surface monitoring pursuant to 40 CFR 60 Subpart WWW:

    The methane concentration at the Landfill surface which includes the well bore area shall be maintained at less than 500 PPM above background. The Permittee shall monitor surface concentrations of methane at discrete sampling points along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector or other portable monitor meeting the specifications provided in 40 CFR Part 60.755(d). Surface emission monitoring shall be performed in accordance with Section 4.3.1 of EPA Method 21 except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. The calibration procedures provided in Section 4.2 of EPA Method 21 shall be followed immediately before commencing a surface monitoring survey, and the calibration gas shall be methane diluted to a nominal concentration of 500 ppm. Any reading of 500 ppm or more above background at any location shall be recorded as a monitored exceedance. The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells. A monitored exceedance is not a violation of the above requirement as long as the following specified actions are taken by the landfill owner/operator:

    a. The location of each monitored exceedance shall be marked and the location recorded.

    b. Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance.

    c. If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance from the same location, the action specified in Section e of the Condition shall be taken.

    d. Any location that initially showed an exceedance but has a methane concentration less than 500 ppm above background at the 10-day re-monitoring specified in Section b or c of this Condition shall be remonitored 1 month from the initial exceedance. If the 1-month re-monitoring shows a concentration <500 ppm above background, no further monitoring is required until the next quarterly monitoring period. If the 1-month re-monitoring shows an exceedance, the actions specified in Section c or e of this Condition shall be taken.

    e. For any location where monitored methane concentration equals or exceeds 500 ppm above background three times within a quarterly period, a new well or other collections device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance and a corresponding time line for installation may be submitted to the District for approval. Dangerous areas, for example, those with steep slopes, may be excluded from cover integrity monitoring. [40 CFR 60.753]

20. Any surface emission concentration of 500 ppmv or more, measured as methane with the probe inlet placed within 5 to 10 centimeters (2 to 4 inches) of the ground, not recorded as specified

in 40 CFR Part 60.755(c)(4) and identified by the District Compliance Inspector, shall be considered a violation. [40 CFR 60 Subpart WWW]

21. The Permittee shall maintain the following records:
    a. Records of the maximum design capacity, the current amount of solid waste in place, the year-by-year waste acceptance rate.
    b. Plot map with existing and planned wells in the Gas Collection System.
    c. Installation date and location of all newly installed wells.
    d. Description, location, amount and placement date of all non-degradable refuse including Asbestos and demolition refuse place in Landfill areas which are excluded from Landfill Gas collection and control as provided by 40 CFR Part 60.759(a)(3)(ii).
    e. Record of maximum expected gas flow, etc, from the initial performance test. [40 CFR 60.758]

22. The Permittee shall record all flare monitoring data and shall keep a record of all periods when the flare is non-operational. [40 CFR 60.758(b)]

23. The Permittee shall record all values which exceed the Operation Standards for pressure, temperature and Nitrogen or Oxygen concentration specified in this Permit and in 40 CFR Part 60.753 and shall include the operating value from the next subsequent monitoring period and the location of each exceedance. [40 CFR 60.758(e)]

24. The Permittee shall maintain, readily accessible records for the life of the control equipment, the control device vendor specifications and the following data as measured during the initial performance test or compliance determination:
    a. the maximum expected gas generation flow rate as calculated in 40 CFR Part 60.755(a)(1).
    b. the density of wells, horizontal collectors, surface collectors or other gas extraction devices determined using the procedures specified in 40 CFR Part 60.759 (a)(1). [40 CFR 60.758(b)]

25. The Permittee shall submit semi-annual reports no later than March 1 and September 1 with the following required information:
    a. The value and length of time for exceedances of applicable parameters monitored as required in 40 CFR Parts 60.753 and 60.756.
    b. A description and the duration of all periods when all combustion devices were not operating for any period exceeding 1 hour and the length of time all combustion devices were not operating.
    c. All periods when the collection system was not operating in excess of five days.
    d. The location and concentration of each exceedance of the surface methane concentration limit as monitored in accordance with the surface monitoring Condition above.
    e. The date of installation and the location of each well or collection system expansion added pursuant to Section (e) of the surface monitoring condition above. [40 CFR 60 Subpart WWW]

26. The Permittee shall submit an equipment removal report to the District 30 days prior to removal or cessation of operation of the landfill gas control equipment. The equipment removal report shall contain the following:
    a. A copy of the closure report for the Landfill.
    b. A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired.
    c. Dated copies of three successive annual NMOC emission rate reports demonstrating that the landfill is no longer producing 50 mega-grams or greater of NMOC per year. [40 CFR 60 Subpart WWW]

27. The equipment shall be properly maintained in good operating condition at all times. Calibration and maintenance records required by this Permit shall be retained for at least five (5) years and be made available to the District on request. [NSR]

28. The Permittee shall keep the following records:

    a. The occurrence and duration of each startup, shutdown, or malfunction of operation.

    b. The occurrence and duration of each malfunction of the required Air Pollution control and monitoring equipment.

    b. All required maintenance performed on the Air Pollution Control and monitoring equipment.

    d. Actions taken during periods of startup, shutdown, and malfunction when such actions are different from the procedures specified in the startup, shutdown, and malfunction (SSM) plan.

    e. All information necessary to demonstrate conformance with the affected source's SSM plan when actions taken during periods of SSM are consistent with the procedures specified in the SSM plan.

    The Permittee shall report action(s) recorded above to the District during the applicable semi-annual reporting period. [40 CFR Subpart AAAA; 40 CFR 63.6(e)]

29. The Permittee shall report actions taken during a SSM event that are not consistent with the SSM plan and the source exceeds any applicable emissions limitation to the District within 2 working days after commencing actions inconsistent with the SSM plan and shall report such actions in writing to the District within 7 working days after the end of the event. [40 CFR Subpart AAAA; 40 CFR 63.6(e)]

30. The Permittee shall maintain a copy of the current startup, shutdown, and malfunction (SSM) plan for at least five years, and make the SSM plan available to the District upon request. Each previous version of the SSM plan shall be maintained for at least 5 years from the date of the SSM plan revision. [40 CFR Subpart AAAA; 40 CFR 63.6(e)]

31. If the SSM plan fails to address or inadequately addresses an event that meets the definition of a malfunction but was not included in the SSM plan, the Permittee shall revise the SSM plan within 45 days after the event to include procedures for operating and maintaining the source during similar malfunction events and a program of corrective action for similar malfunctions. The revised SSM plan shall not take effect until after the owner or operator has provided a written notice describing the SSM plan revision to the District.

[40 CFR Subpart AAAA; 40 CFR 63.6(e)]

32. Any SSM plan revision which alters the scope of the activities at the source which are deemed to be a startup, shutdown, or malfunction, or otherwise modifies the applicability of any emission limit, work practice requirement, or other requirement in a standard established under this part, the revised plan shall not take effect until after notice has been provided to the District. [40 CFR Subpart AAAA; 40 CFR 63.6(e)]

33. Each SSM plan revision shall be reported in the semi-annual report covering the reporting period in which the SSM plan was revised. [40 CFR Subpart AAAA; 40 CFR 63.6(e)]

34. The Permittee shall inspect each off-site gas migration probe with a combustible gas indicator for the presence of methane on a minimum quarterly basis and retain records. Inspection records shall be made available to the District upon request. [Rule 59]

35. Should the District, San Diego County Health Department or any health agency of the state of California determine that an imminent threat exists onsite, endangering human life and requiring immediate action, the owner/operator shall take whatever actions are deemed necessary by the District and/or the health agency to protect human health. [California Health and Safety Code Section 25358.3]

36. Emissions of sulfur compounds from this emission unit, calculated as sulfur dioxide, shall not exceed 0.05% by volume on a dry basis. [Rule 53]

37. Emission of combustion particulates shall not exceed 0.10 grains per dry standard cubic foot of gas standardized to 12 percent carbon dioxide by volume. [Rule 53]

38. If requested by the District or EPA, emissions of sulfur compounds and/or combustion particulates shall be measured in accordance with EPA reference methods or equivalent methods as approved by the District. [Rule 53]

39. Visible emissions from any part of the landfill shall not exceed Number 1 designation on the Ringelmann Chart (equivalent to 20% opacity) for a period or periods aggregating more than three minutes in any 60 consecutive minutes. [Rule 50]

40. There shall be no release of leachate or condensate from any part of the landfill, landfill gas collection system, or flare station which results in the discharge of odors, toxic air contaminants, or reactive organic compounds to the atmosphere. [Rule 59]

41. Water shall be applied to all paved and unpaved haul roads for dust control purposes at intervals of no more than 4 hours unless the road surface is visibly wet or the facility is not open for business. In addition, such watering must prevent visible emissions from exceeding the limits of this permit. The permittee shall maintain a record of the time and date of all intervals that exceed 4 hours between watering when the road surface is not visibly wet and the facility is open for business. [Rule 50]

42. The active waste disposal operation shall not exceed the maximum elevation (725 ft MSL) and size (464 acres) limits specified in the State Integrated Waste Management Board Permit No. 37-AA-0010. These limits are equivalent to a total design capacity of approximately 61,154,000 cubic yards. [NSR]

43. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

**DISTRICT-ONLY-ENFORCEABLE CONDITIONS**

44. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

45. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act. [California Health and Safety Code Section 44300 et seq.]

46. The Permittee shall operate, adjust, and maintain the gas collection system to prevent excessive quantities of air from being drawn into the landfill. An oxygen analyzer, designed to be accurate to +/- 0.5% by volume, shall be installed in the gas collection piping at the flare station, maintained in good working condition, and calibrated at least annually. The Permittee shall adjust the vacuum at each collection well and flare burn time as necessary to prevent the concentration of oxygen in landfill gas at the inline analyzer from exceeding 5% by volume. [Rule 59(d)(6)]

47. The permittee is subject to Title 17 California Code of Regulations (CCR) SUBARTICLE 6. METHANE EMISSIONS FROM MUNICIPAL SOLID WASTE LANDFILLS (17 CCR §§ 95460 – 95476 and Appendix I), which includes, but may not be limited to, the requirements cited in this permit. [17 CCR § 95461]

48. The permittee shall operate the gas collection and control system in accordance with 17 CCR section 95464(b), which includes, but is not limited to, the following:
    a. Route the collected gas to a gas control device or devices except as provided in 17 CCR sections 95464(d) - well raising, and 95464(e) - Repairs and Temporary Shutdown of Gas Collection System Components;
    b. So that there is no landfill gas leak that exceeds 500 ppmv, measured as methane, at any component under positive pressure. Measurement for this determination shall be made at a distance of one half of an inch or less for a component source that exceeds 500 parts per million by volume (ppmv), excluding non-repeatable, momentary readings; measurement of leaks from any vault must be taken within 3 inches above the surface of the vault exposed to the atmosphere. [17 CCR § 95464(b)(1)(B) and the definition of component leak at § 95475];
    c. So that all the landfill gas is drawn toward the gas control device or devices;
    d. So that each wellhead remains under vacuum (negative pressure), except under the following conditions:
        i. Use of a geomembrane or synthetic cover, provided permittee establishes acceptable pressure limits for the wellheads and includes them in the Design Plan;
        ii. A decommissioned well;
        iii. Well raising activities in which new fill is being added or compacted in the immediate vicinity around the well, or a well extension that, once installed, is sealed or capped

until the raised well is reconnected to a vacuum source. [17 CCR §§ 95464(b)(1), 95464(c) and 95464(d)]

49. Except as provided in sections 95464(d), 95464(e), and 95466, no location on the landfill surface may exceed either of the following concentrations of methane:

    a. 500 ppmv, other than non-repeatable, momentary readings, as determined by instantaneous surface emissions monitoring, measured at a distance of 3 inches above surface as required by § 95471(c)(1)(A);

    b. An average of 25 ppmv as determined by integrated surface emissions monitoring.

    [17 CCR § 95465]

50. The requirements of section 95465 do not apply to the working face of the landfill or to areas of the landfill surface where the landfill cover material has been removed and refuse has been exposed for the purpose of installing, expanding, replacing, or repairing components of the landfill gas, leachate, or gas condensate collection and removal system, or for law enforcement activities requiring excavation. [17 CCR § 95466]

51. If the permittee operates a flare for the control of landfill gas, the flare must meet the following requirements:

    a. Achieves a methane destruction efficiency of at least 99 percent by weight;

    b. Is equipped with automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors;

    c. During startup or restart there must be sufficient flow of propane or commercial natural gas to the burners to prevent unburned collected methane from being emitted to the atmosphere;

    d. The gas control device must be operated within the parameter ranges established during the initial or most recent source test.

    [17 CCR § 95464(b)(2)(A)]

52. The permittee must conduct an annual source test for flare control efficiency using the test methods identified in 17 CCR 95471(f). Each succeeding complete annual source test must be conducted no later than 45 days after the anniversary date of the initial source test.

    If a gas control device remains in compliance after three consecutive source tests the permittee may conduct the source test every three years. If a subsequent source test shows the gas collection and control system is out of compliance the source testing frequency will return to annual. [17 CCR § 95464(b)(4)]

53. The requirements of 17 CCR sections 95464(b)(1)(A), 95464(b)(1)(B), and 95464(c) do not apply to individual landfill gas collection system components that must be temporarily shut down in order to repair the components, due to catastrophic events such as earthquakes, to connect new landfill gas collection system components to the existing system, to extinguish landfill fires, or to perform construction activities pursuant to section 95466, provided the following requirements are met:

    a. Any new gas collection system components required to maintain compliance with 17 CCR 95464 must be included in the most recent Design Plan pursuant to section 95464(a)(4);

b. Methane emissions must be minimized during shutdown pursuant to section 95464(a)(1)(D).

[17 CCR § 95464(e)(1-2)]

54. The permittee must monitor each individual wellhead monthly to determine the gauge pressure. If there is any positive pressure reading other than as provided in 17 CCR sections 95464(d) and 95464(e), the permittee must take the following actions:

    a. Initiate corrective action within five calendar days of the positive pressure measurement;

    b. If the problem cannot be corrected within 15 days of the date the positive pressure was first measured, the owner or operator must initiate further action, including, but not limited to, any necessary expansion of the gas collection system, to mitigate any positive pressure readings;

    c. Corrective actions, including any expansion of the gas collection and control system, must be completed and any new wells must be operating within 120 days of the date the positive pressure was first measured, or it is a violation.

    [17 CCR § 95469(c)]

55. Components containing landfill gas that are under positive pressure must be monitored quarterly for leaks. Any component leak must be tagged and repaired within 10 calendar days, or it is a violation. [17 CCR § 95469(b)(3)]

56. Component leak testing at MSW landfills having landfill gas-to-energy facilities may be conducted prior to scheduled maintenance or planned outage periods. [17 CCR § 95469(b)(3)(A)]

57. The permittee must conduct quarterly surface monitoring in accordance with 17 CCR section 95469 using the equipment and procedures specified in section 95471. Instantaneous surface monitoring shall be conducted using either an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications given at 17 CCR § 95471(a) and using the applicable procedures given at 17 CCR § 95471(c) including, but not limited to, the monitoring grid layout.

    [17 CCR § 95469(a)]

58. Instantaneous Surface Monitoring under 17 CCR SUBARTICLE 6: Pursuant to section 95465(a)(1), any landfill surface reading exceeding 500 ppmv, other than non-repeatable, momentary readings, as determined by instantaneous surface emissions monitoring, must be recorded as an exceedance and the following actions taken:

    a. The permittee must record the date, location, and value of each exceedance, along with re-test dates and results. The location of each exceedance must be clearly marked and identified on a topographic map of the MSW landfill, drawn to scale with the location of both the grids and the gas collection system clearly identified.

    b. Corrective action must be taken by the owner or operator such as, but not limited to, cover maintenance or repair, or well vacuum adjustments and the location must be re-monitored within ten calendar days of a measured exceedance.

i. If the re-monitoring of the location shows a second exceedance, additional corrective action must be taken and the location must be re-monitored again no later than 10 calendar days after the second exceedance.

ii. If the re-monitoring shows a third exceedance, the owner or owner or operator must install a new or replacement well as determined to achieve compliance, unless an alternative solution is identified and approved by the District, no later than 120 calendar days after detecting the third exceedance, or it is a violation of this subarticle.

c. Any closed or inactive MSW landfill, or any closed or inactive areas on an active MSW landfill that has no monitored exceedances of the 500 ppmv methane limit specified in section 95465(a)(1) after four consecutive quarterly monitoring periods may monitor annually. Any exceedances of this limit detected during the annual monitoring that cannot be remediated within 10 calendar days will result in a return to quarterly monitoring of the landfill.

d. Any exceedances of the 500 ppmv methane limit specified in section 95465(a)(1) detected during any compliance inspections will result in a return to quarterly monitoring of the landfill.

e. Any instantaneous methane measurement of 200 ppmv or greater must be recorded as a reportable reading pursuant to 17 CCR 95971(a)(1)(D).

[17 CCR §§ 95969(a)(2) and 95971]

59. Integrated Surface Monitoring under 17 CCR SUBARTICLE 6: Any reading exceeding an average of 25 ppmv as specified in 17 CCR section 95465(a)(2) must be recorded as an exceedance and the following actions must be taken:

a. The permittee must record the average surface concentration measured as methane for each grid along with re-test dates and results. The location of the grids and the gas collection system must be clearly marked and identified on a topographic map of the MSW landfill drawn to scale.

b. Within 10 calendar days of a measured exceedance, corrective action must be taken by the owner or operator such as, but not limited to, cover maintenance or repair, or well vacuum adjustments and the grid must be re-monitored.

i. If the re-monitoring of the grid shows a second exceedance, additional corrective action must be taken and the location must be re-monitored again no later than 10 calendar days after the second exceedance.

ii. If the re-monitoring in section 95469(a)(2)(B)1. shows a third exceedance, the owner or operator must install a new or replacement well as determined to achieve compliance no later than 120 calendar days after detecting the third exceedance, or it is a violation of this subarticle.

c. Any closed or inactive MSW landfill, or any closed or inactive areas on an active MSW landfill that has no monitored exceedances of the limit specified in section 95465(a)(2) after 4 consecutive quarterly monitoring periods may monitor annually. Any exceedances of the limits specified in section 95465(a)(2) detected during the annual monitoring that cannot be remediated within 10 calendar days will result in a return to quarterly monitoring of the landfill.

d. Any exceedances of the limits specified in section 95465(a)(2) detected during any compliance inspections will result in a return to quarterly monitoring of the landfill. [17 CCR § 95969(a)(2)]

60. An owner or operator of a closed or inactive MSW landfill, or any closed or inactive area on an active MSW landfill, that can demonstrate that in the three years before the effective date of this subarticle that there were no measured exceedances of the limits specified in section 95465 by annual or quarterly monitoring may monitor annually. Any exceedances of the surface methane emission limits specified in section 95465 detected during the annual monitoring that cannot be remediated within 10 calendar days will result in a return to quarterly monitoring. [17 CCR § 95469(a)(3)]

61. Component Monitoring under 17 CCR SUBARTICLE 6: Components containing landfill gas and under positive pressure must be monitored quarterly for leaks. Any component leak must be tagged and repaired within 10 calendar days, or it is a violation. Component leak testing at MSW landfills having landfill gas-to-energy facilities may be conducted prior to scheduled maintenance or planned outage periods. [17 CCR § 95969(b)(3)]

62. *Recordkeeping – five year retention*, 17 CCR SUBARTICLE 6: In addition to any other records required by this permit, the permittee must maintain the following records for at least five (5) years:

    a. All gas collection system downtime exceeding five calendar days, including individual well shutdown and disconnection times, and the reason for the downtime.

    b. All gas control system downtime in excess of one hour, the reason for the downtime, and the length of time the gas control system was shutdown.

    c. Expected gas generation flow rate calculated pursuant to section 95471(e) – 2006 Intergovernmental Panel on Climate Change (IPCC) Guidelines for National Greenhouse Gas Inventories, Chapter 3, using a recovery rate of 75%.

    d. Records of all instantaneous surface readings of 200 ppmv or greater; all exceedances of the limits in sections 95464(b)(1)(B) or 95465, including the location of the leak (or affected grid), leak concentration in ppmv, date and time of measurement, the action taken to repair the leak, date of repair, any required re-monitoring and the re-monitored concentration in ppmv, and wind speed during surface sampling; and the installation date and location of each well installed as part of a gas collection system expansion.

    e. Records of any positive wellhead gauge pressure measurements, the date of the measurements, the well identification number, and the corrective action taken.

    f. Annual solid waste acceptance rate and the current amount of waste-in-place.

    g. Records of the nature, location, amount, and date of deposition of non-degradable waste for any landfill areas excluded from the collection system.

    h. Results of any source tests conducted pursuant to section 95464(b)(4).

    i. Records describing the mitigation measures taken to prevent the release of methane or other emissions into the atmosphere:

        i. When solid waste was brought to the surface during the installation or preparation of wells, piping, or other equipment;

ii. During repairs or the temporary shutdown of gas collection system components;

iii. When solid waste was excavated and moved.

j. Records of any construction activities pursuant to section 95466. The records must contain the following information:

i. A description of the actions being taken, the areas of the MSW landfill that will be affected by these actions, the reason the actions are required, and any landfill gas collection system components that will be affected by these actions.

ii. Construction start and finish dates, projected equipment installation dates, and projected shut down times for individual gas collection system components.

iii. A description of the mitigation measures taken to minimize methane emissions and other potential air quality impacts.

k. Records of the equipment operating parameters specified to be monitored under sections 95469(b)(1) and 95469(b)(2) as well as records for periods of operation during which the parameter boundaries established during the most recent source test are exceeded. The records must include the following information:

i. For enclosed flares, all 3-hour periods of operation during which the average temperature difference was more than 28 degrees Celsius (or 50 degrees Fahrenheit) below the average combustion temperature during the most recent source test at which compliance with sections 95464(b)(2) and 95464(b)(3)(A) was determined.

ii. For boilers or process heaters, whenever there is a change in the location at which the vent stream is introduced into the flame zone pursuant to section 95464(b)(3)(A)2.

iii. For any owner or operator who uses a boiler or process heater with a design heat input capacity of 44 megawatts (150 MMBtu/hr) or greater to comply with section 95464(b)(3), all periods of operation of the boiler or process heater (e.g., steam use, fuel use, or monitoring data collected pursuant to other federal, State, local, or tribal regulatory requirements).

[17 CCR § 95470(a)(1)]

63. *Recordkeeping – retention for life of control device*, 17 CCR SUBARTICLE 6: Permittee must maintain the following records for the life of each gas control device:

a. The control device vendor specifications.

b. The expected gas generation flow rate as calculated pursuant to section 95471(e).

c. The percent reduction of methane achieved by the control device determined pursuant to section 95471(f).

d. For a boiler or process heater, the description of the location at which the collected gas vent stream is introduced into the boiler or process heater over the same time period of the performance test.

e. For an open flare: the flare type (i.e., steam-assisted, air-assisted, or non-assisted); all visible emission readings, heat content determination, flow rate or bypass flow rate measurements, and exit velocity determinations made during the performance test as specified in 40 CFR § 60.18 (as last amended 73 Fed. Reg. 78209 (December 22, 2008), which is incorporated by reference herein; and records of the flare pilot flame or flare flame

monitoring and records of all periods of operations during which the pilot flame or the flare flame is absent.
[17 CCR § 95470(a)(2)]

64. *Record Storage*: The permittee must maintain copies of the records and reports required by this subarticle and provide them to the District within five business days upon request. Records and reports must be kept at a location within the State of California. [17 CCR § 95470(a)(3)]

65. *Annual Report:* Except as given in 17 CCR section 95463, permittee must prepare an annual report for the period of January 1 through December 31 of each year. Each annual report must be submitted to the District by March 15 of the following year and must contain the following information:

    a. MSW landfill name, owner and operator, address, and solid waste information system (SWIS) identification number.

    b. Total volume of landfill gas collected (reported in standard cubic feet).

    c. Average composition of the landfill gas collected over the reporting period (reported in percent methane and percent carbon dioxide by volume).

    d. Gas control device type, year of installation, rating, fuel type, and total amount of landfill gas combusted in each control device.

    e. The date that the gas collection and control system was installed and in full operation.

    f. The percent methane destruction efficiency of each gas control device(s).

    g. Type and amount of supplemental fuels burned with the landfill gas in each device.

    h. Total volume of landfill gas shipped off-site, the composition of the landfill gas collected (reported in percent methane and percent carbon dioxide by volume), and the recipient of the gas.

    i. Most recent topographic map of the site showing the areas with final cover and a geomembrane and the areas with final cover without a geomembrane with corresponding percentages over the landfill surface.

    j. The information records cited herein and required by sections 95470(a)(1)(A), 95470(a)(1)(B), 95470(a)(1)(C), 95470(a)(1)(D), 95470(a)(1)(E), and 95470(a)(1)(F), 95470(a)(1)(H), and 95470(a)(1)(K).
    [17 CCR § 95470(b)(3)]

66. Waste-in-Place Report: If the MSW landfill contains less than 450,000 tons of waste-in-place, or the landfill contains 450,000 tons or more of waste-in-place and landfill gas recovery reaches or exceeds 3.0 MMBtu/hr, as given by section 95463(a) or section 95643(b)(2)(B)3., permittee must report the following information to the District:

    a. MSW landfill name, owner and operator, address, and solid waste information system (SWIS) identification number.

    b. The landfill's status (active, closed, or inactive) and the estimated waste-in-place, in tons.

    c. Most recent topographic map of the site showing the areas with final cover and a geomembrane and the areas with final cover without a geomembrane with corresponding percentages over the landfill surface. [17 CCR § 95470(b)(4)]

67. Landfill Gas Heat Input Capacity Report: Permittee must calculate the landfill gas heat input capacity as required by section 95463(b) (i.e., gas heat input capacity report requirement for landfills greater than or equal to 450,000 tons of waste-in-place) using the procedures specified in section 95471(b) (i.e., procedure as specified in Appendix I, as applicable) and report the results to the District within 90 days of the effective date of this subarticle or upon reaching 450,000 tons of waste-in-place. The calculation, along with relevant parameters, must be provided as part of the report. [17 CCR § 95470(b)(5)]

68. Any report, or information submitted pursuant to this subarticle must contain certification by a responsible official of truth, accuracy, and completeness. This certification, and any other certification required under this subarticle, must state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [17 CCR § 95470(b)(6)]

69. Each part of 17 CCR Subarticle 6 is deemed severable, and in the event that any part of this subarticle is held to be invalid, the remainder of this subarticle continues in full force and effect. [17 CCR § 95476]

**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO.
APCD2014-PTO-002099

## PERMIT TO OPERATE

The following is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

| | |
|---|---|
| Otay Landfill Inc.<br>Jesus Torres<br>8514 Mast Blvd.<br>Santee, CA 92071 | EQUIPMENT ADDRESS<br>Otay Landfill Inc.<br>1700 Maxwell Road<br>Chula Vista, CA 91910 |

## EQUIPMENT DESCRIPTION

CT-02 Prime Use Diesel Engine (ATCM Portable): John Deere; Model 4045HFC93; Serial Number PE4045R010809;; 140 bhp; Model Year 2012 EPA Certified, Tier 4i, Engine Family Number CJDXL06.8210; Powering a Truck Tipper

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

**CONDITIONS WHICH ARE FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE**

1. This engine shall not be operated more than 3500 hours per year. The owner or operator shall record a calendar year total of engine operating hours to demonstrate compliance with this condition. The calendar year total shall be recorded within 30 days following the end of the calendar year, or within 5 working days of request by District Personnel.

2. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)

3. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)

4. This engine shall use only carb diesel fuel. (Rule 69.4.1, 17 CCR 93116)

5. A non-resettable engine hour meter and/or non-resettable totalizing fuel meter shall be installed on this engine, maintained in good working order and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's compliance division shall be notified in writing within in 10 calendar days. The written notifications shall include the following information:

   a. old meter's reading.

   b. replacement meter's manufacturer name, model and serial number if available and current reading on replacement meter; and

   c. copy of receipt of new meter or of installation work order.

   d. A copy of the meter replacement notification shall be maintained on site and made available to the Air Pollution Control District upon request. (Rule 69.4.1)

6. The owner or operator of this engine shall conduct periodic inspections of the engine and add-on control equipment, if any, as recommended by the engine and control equipment manufacturers or as specified by the engine servicing company's maintenance procedures. The periodic maintenance shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. (Rule 69.4.1)

7. The owner or operator of this engine shall conduct periodic maintenance of the engine and add-on control equipment, if any, as recommended by the engine and control equipment

manufacturers or as specified by the engine servicing company's maintenance procedures. The periodic maintenance shall be conducted at least once each calendar year. (Rule 69.4.1)

8. The owner or operator of the engine shall maintain a manual of recommended maintenance provided by the manufacturer, or maintenance procedures specified by the engine servicing company on site for at least the same period of time as the engine to which the records apply is located at the site. [Rule 69.4.1]

9. The owner or operator shall maintain documentation identifying all fuel used in this engine as CARB diesel or an alternative fuel meeting the requirements of 17 CCR 93116.3(a) and with a sulfur content not to exceed 15 ppm sulfur by weight. These records shall be kept on site for at least the same period of time as the engine to which the records apply is located at the site. [Rule 69.4 and/or 69.4.1, 17 CCR 93116]

10. The owner or operator shall maintain records of engine maintenance including date the maintenance was performed.[Rule 69.4.1]

11. All operational and maintenance logs and fuel use and type and purchase records required by this permit shall be kept for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. The records shall be maintained onsite and shall be made available to the Air Pollution Control District within 5 working days of request. [Rule 69.4 and/or 69.4.1]

**CONDITIONS WHICH ARE DISTRICT-ONLY-ENFORCEABLE**

12. The Responsible Official of a fleet shall maintain on a calendar year basis a record of the total hours of operation for each portable engine subject to recordkeeping under 17 CCR 93116.4(c) if the fleet includes alternative fueled engines, engines affected by electrification, low-use engines or engines used exclusively in emergency applications. These records shall be maintained at a central place of business for five years from their date of creation. The records shall clearly identify each portable engine subject to the recordkeeping requirement as well as the annual hours of operation. These records shall be made available, upon request, to the District or CARB personnel and provided within ten business days of the request.

13. This engine, as part of the fleet that it is included in, shall comply with the fleet averaging standards of 17CCR 93116. A copy of the most recent compliance statement submitted to the California Air Resources Board under 17CCR 93116 shall be provided to District personnel upon request. (17CCR 93116)

14. The responsible official shall submit compliance statements as required by 17CCR 93116. These compliance statements are due to the California Air Resources Board by March 1, 2013, March 1, 2017 and March 1, 2020.

15. An emission unit is not portable if any of the following apply : The unit, or its replacement, is attached to a foundation or, if not so attached, will reside at the same location for more

than 12 consecutive months; or The emission unit remains or will reside at a location for less than 12 consecutive months if the unit is located at a seasonal source and operates during the full annual operating period of the seasonal source; or The emission unit is moved from one location to another in an attempt to circumvent the portable emission unit residence time requirements. [17 CCR 93116]

16. For the purposes of conditions referring to 17 CCR 93116, location shall be defined as any single site at a building, structure, facility, or installation. [17 CCR 93116]

17. Days when a portable emission unit is stored in a designated holding or storage area shall not be counted towards the above time limits, provided the emission unit was not operated on that calendar day except for maintenance and was in the designated holding or storage area the entire calendar day.

18. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District.

19. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

20. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)

**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO.
APCD2014-PTO-002098

# PERMIT TO OPERATE

The following is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

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| Otay Landfill Inc.<br>Jesus Torres<br>8514 Mast Blvd.<br>Santee, CA 92071 | EQUIPMENT ADDRESS<br>Otay Landfill Inc.<br>1700 Maxwell Road<br>Chula Vista, CA 91910 |

## EQUIPMENT DESCRIPTION

CT-01 Prime Use Diesel Engine (ATCM Portable): John Deere; Model 4045HFC93; Serial Number PE4045R010622; 140 bhp; Model Year 2012 EPA Certified, Tier 4i, Engine Family Number CJDXL06.8210; Powering a Truck Tipper

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

## CONDITIONS WHICH ARE FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE

1. This engine shall not be operated more than 3500 hours per year. The owner or operator shall record a calendar year total of engine operating hours to demonstrate compliance with this condition. The calendar year total shall be recorded within 30 days following the end of the calendar year, or within 5 working days of request by District Personnel.

2. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)

3. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)

4. This engine shall use only carb diesel fuel. (Rule 69.4.1, 17 CCR 93116)

5. A non-resettable engine hour meter and/or non-resettable totalizing fuel meter shall be installed on this engine, maintained in good working order and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's compliance division shall be notified in writing within in 10 calendar days. The written notifications shall include the following information:

   a. old meter's reading.

   b. replacement meter's manufacturer name, model and serial number if available and current reading on replacement meter; and

   c. copy of receipt of new meter or of installation work order.

   d. A copy of the meter replacement notification shall be maintained on site and made available to the Air Pollution Control District upon request. (Rule 69.4.1)

6. The owner or operator of this engine shall conduct periodic inspections of the engine and add-on control equipment, if any, as recommended by the engine and control equipment manufacturers or as specified by the engine servicing company's maintenance procedures. The periodic maintenance shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. (Rule 69.4.1)

7. The owner or operator of this engine shall conduct periodic maintenance of the engine and add-on control equipment, if any, as recommended by the engine and control equipment manufacturers or as specified by the engine servicing company's maintenance procedures. The periodic maintenance shall be conducted at least once each calendar year. (Rule 69.4.1)

8. The owner or operator of the engine shall maintain a manual of recommended maintenance provided by the manufacturer, or maintenance procedures specified by the engine servicing company on site for at least the same period of time as the engine to which the records apply is located at the site. [Rule 69.4.1]

9. The owner or operator shall maintain documentation identifying all fuel used in this engine as CARB diesel or an alternative fuel meeting the requirements of 17 CCR 93116.3(a) and with a sulfur content not to exceed 15 ppm sulfur by weight. These records shall be kept on site for at least the same period of time as the engine to which the records apply is located at the site. [Rule 69.4 and/or 69.4.1, 17 CCR 93116]

10. The owner or operator shall maintain records of engine maintenance including date the maintenance was performed.[Rule 69.4.1]

11. All operational and maintenance logs and fuel use and type and purchase records required by this permit shall be kept for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. The records shall be maintained onsite

and shall be made available to the Air Pollution Control District within 5 working days of request. [Rule 69.4 and/or 69.4.1]

**CONDITIONS WHICH ARE DISTRICT-ONLY-ENFORCEABLE**

12. The Responsible Official of a fleet shall maintain on a calendar year basis a record of the total hours of operation for each portable engine subject to recordkeeping under 17 CCR 93116.4(c) if the fleet includes alternative fueled engines, engines affected by electrification, low-use engines or engines used exclusively in emergency applications. These records shall be maintained at a central place of business for five years from their date of creation. The records shall clearly identify each portable engine subject to the recordkeeping requirement as well as the annual hours of operation. These records shall be made available, upon request, to the District or CARB personnel and provided within ten business days of the request.

13. This engine, as part of the fleet that it is included in, shall comply with the fleet averaging standards of 17CCR 93116. A copy of the most recent compliance statement submitted to the California Air Resources Board under 17CCR 93116 shall be provided to District personnel upon request. (17CCR 93116)

14. The responsible official shall submit compliance statements as required by 17CCR 93116. These compliance statements are due to the California Air Resources Board by March 1, 2013, March 1, 2017 and March 1, 2020.

15. An emission unit is not portable if any of the following apply : The unit, or its replacement, is attached to a foundation or, if not so attached, will reside at the same location for more than 12 consecutive months; or The emission unit remains or will reside at a location for less than 12 consecutive months if the unit is located at a seasonal source and operates during the full annual operating period of the seasonal source; or The emission unit is moved from one location to another in an attempt to circumvent the portable emission unit residence time requirements. [17 CCR 93116]

16. For the purposes of conditions referring to 17 CCR 93116, location shall be defined as any single site at a building, structure, facility, or installation. [17 CCR 93116]

17. Days when a portable emission unit is stored in a designated holding or storage area shall not be counted towards the above time limits, provided the emission unit was not operated on that calendar day except for maintenance and was in the designated holding or storage area the entire calendar day.

18. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District.

19. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

20. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)

**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO.
APCD2016-PTO-002558

# PERMIT TO OPERATE

The following is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

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|---|---|
| Otay Landfill Inc.<br>Jesus Torres<br>8514 Mast Blvd.<br>Santee, CA 92071 | EQUIPMENT ADDRESS<br>Otay Landfill Inc.<br>1700 Maxwell Road<br>Chula Vista, CA 91910 |

## EQUIPMENT DESCRIPTION

Prime Diesel Engine powering an exempt screen: Caterpillar; model C4.4; serial number 44408081; Engine Family APKXL04.4NJ1; tier 3 certified; 125 bhp rated; turbocharged with charge air cooler, ATCM portable

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

## CONDITIONS WHICH ARE FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE

1. This permit authorizes operation only at the stationary source(s) listed on this permit to operate. This engine shall be operated as a portable unit as defined by the Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater. This permit does not preclude off-site operations under a valid registration issued by the California Air Resources Board (CARB) under the Portable Equipment Registration Program (PERP). (17CCR93116).

2. Operation of the engine at the equipment address listed above shall not exceed the following limits:

   (a) 12 hours in any calendar day

   (b) 2080 hours in any calendar year.

(Rule 20.2, 20.3, Rule 1200)

3. The owner or operator shall maintain a daily operating log listing locations, dates and engine hour meter readings at the start and end of each day's operation of this engine. [Rules 20.3, 1200]

4. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)

5. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)

6. This engine shall use only carb diesel fuel. (Rule 69.4.1, 17 CCR 93116)

7. A non-resettable engine hour meter and/or non-resettable totalizing fuel meter shall be installed on this engine, maintained in good working order and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's compliance division shall be notified in writing within in 10 calendar days. The written notifications shall include the following information:

a. old meter's reading.

b. replacement meter's manufacturer name, model and serial number if available and current reading on replacement meter; and

c. copy of receipt of new meter or of installation work order.

A copy of the meter replacement notification shall be maintained on site and made available to the Air Pollution Control District upon request. (Rule 69.4.1)

8. The owner or operator of this engine shall conduct periodic inspections of the engine and add-on control equipment, if any, as recommended by the engine and control equipment manufacturers or as specified by the engine servicing company's maintenance procedures. The periodic inspections shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. (Rule 69.4.1)

9. The owner or operator of this engine shall conduct periodic maintenance of the engine and add-on control equipment, if any, as recommended by the engine and control equipment manufacturers or as specified by the engine servicing company's maintenance procedures. The periodic maintenance shall be conducted at least once each calendar year. (Rule 12, Rule 69.4.1)

10. The owner or operator of the engine shall maintain a manual of recommended maintenance provided by the manufacturer, or maintenance procedures specified by the engine servicing company on site for at least the same period of time as the engine to which the records apply is located at the site. [Rule 69.4.1]

11. The owner or operator shall maintain documentation identifying all fuel used in this engine as CARB diesel or an alternative fuel meeting the requirements of 17 CCR 93116.3(a) and with a sulfur content not to exceed 15 ppm sulfur by weight. These records shall be kept on site for at least the same period of time as the engine to which the records apply is located at the site. [Rule 69.4 and/or 69.4.1, 17 CCR 93116]

12. The owner or operator shall maintain records of engine maintenance including date the maintenance was performed. [Rule 69.4.1]

13. All operational and maintenance logs and fuel use and type and purchase records required by this permit shall be kept for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. The records shall be maintained onsite and shall be made available to the Air Pollution Control District within 5 working days of request. [Rule 69.4 and/or 69.4.1]

**CONDITIONS WHICH ARE DISTRICT-ONLY-ENFORCEABLE**

14. The Responsible Official of a fleet shall maintain on a calendar year basis a record of the total hours of operation for each portable engine subject to recordkeeping under 17 CCR 93116.4(c) if the fleet includes alternative fueled engines, engines affected by electrification, low-use engines or engines used exclusively in emergency applications. These records shall be maintained at a central place of business for five years from their date of creation. The records shall clearly identify each portable engine subject to the recordkeeping requirement as well as the annual hours of operation. These records shall be made available, upon request, to the District or CARB personnel and provided within ten business days of the request.

15. This engine, as part of the fleet that it is included in, shall comply with the fleet averaging standards of 17CCR 93116. A copy of the most recent compliance statement submitted to the California Air Resources Board under 17CCR 93116 shall be provided to District personnel upon request. (17CCR 93116)

16. The responsible official shall submit compliance statements as required by 17CCR 93116. These compliance statements are due to the California Air Resources Board by March 1, 2013, March 1, 2017 and March 1, 2020.

17. An emission unit is not portable if any of the following apply : The unit, or its replacement, is attached to a foundation or, if not so attached, will reside at the same location for more than 12 consecutive months; or The emission unit remains or will reside at a location for less than 12 consecutive months if the unit is located at a seasonal source and operates during the full annual operating period of the seasonal source; or The emission unit is moved from one location to another in an attempt to circumvent the portable emission unit residence time requirements. [17 CCR 93116]

18. For the purposes of conditions referring to 17 CCR 93116, location shall be defined as any single site at a building, structure, facility, or installation. [17 CCR 93116]

19. Days when a portable emission unit is stored in a designated holding or storage area shall not be counted towards the above time limits, provided the emission unit was not operated on that calendar day except for maintenance and was in the designated holding or storage area the entire calendar day.

20. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District.

21. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

22. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)

**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131
(858) 586-2600 FAX (858) 586-2601

PERMIT NO.
APCD2011-PTO-000826

# PERMIT TO OPERATE

The following is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

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|---|---|
| Otay Landfill Inc. | EQUIPMENT ADDRESS |
| Tom Gardner | Otay Landfill Inc. |
| 8514 Mast Blvd. | 1700 Maxwell Road |
| Santee, CA 92071 | Chula Vista, CA 91910 |

## EQUIPMENT DESCRIPTION

Screen system for screening construction and demolition debris: Make Krause Manufacturing, Model ADC, S/N 07203, 12' length x 72" width, rated at 30 tons/hour, with infeed conveyor at 15'5" length, inclined conveyor at 26' length, sort line conveyor at 116' length, unloading conveyor at 22' length, and take away conveyor at 28' length.

(APCD2008-APP-986724/CCN/April 2011)

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

## CONDITIONS WHICH ARE FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE

23. Materials handled shall contain sufficient naturally occurring or added moisture to comply with the emission standards of Rule 50. [Rule 50]
24. Air pollution control equipment shall be maintained in good operating condition and shall be in full operation in accordance with manufacturer's instructions at all times when the process equipment is in operation.

    [NSR; Rule 21]

25. Except for momentary, non-repeatable readings, visible emissions from processing equipment shall not exceed 20 percent (%) opacity at any time. [Rule 50]

26. Maximum throughput of this equipment shall not exceed 300 tons per day and 93,600 tons per year. Daily and annual records demonstrating compliance with these limits shall be maintained on site for at least three years and made available to the District upon request. [NSR; Rule 21]

27. Skip loader dumping shall be done with minimum vertical fall. [Rule 50]

28. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rules 19]

**CONDITIONS WHICH ARE DISTRICT-ONLY-ENFORCEABLE**

29. No treated wood or painted wood shall be processed by this equipment. Treated wood is defined as wood infused with chemicals to prevent decay. [Rule 1200]

30. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.

31. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)

## APPENDIX B: RULE REFERENCE TABLE

| Rule Citation[1] | RULE TITLE | A/R[2] | District Adoption Date[3] | SIP FR Approval Date |
|---|---|---|---|---|
| | **REGULATION I - GENERAL PROVISIONS** | | | |
| 1 | Title | F | 04/30/80 | 09/28/81 |
| 2 | Definitions | F | 06/30/99 | 02/03/00[4] |
| 4 | Review of Rules | F | 01/01/70† | 09/22/72 |
| 5 | Authority to Arrest | F | 03/24/76† | 05/11/77 |
| | **REGULATION II - PERMITS** | | | |
| 10 | Permits Required | F | 04/27/00 | 03/11/98 |
| 10.1†† | NSPS & NESHAPS Requirements | D | 11/8/76 | N/A |
| 11 | Exemptions from Rule 10 Permit Requirements | D/F | 05/09/12 | Pending |
| 12 | Registration of Specified Equipment | D | 11/15/00 | N/A |
| 12.1 | Portable Equipment Registration | D | 05/21/97 | N/A |
| 14 | Applications | F | 04/30/80 | 09/28/81 |
| 15 | Permit Process - Public Notifications | D/F | 09/18/90 | Pending |
| 17 | Cancellation of Applications | F | 11/25/81 | 03/11/98 |
| 18 | Action on Applications | F | 01/17/72 | 09/22/72 |
| 18 | Action on Applications | D/F | 09/18/90 | Pending |
| 19 | Provision of Sampling and Testing Facilities | F | 04/06/93 | 03/11/98 |
| 19.1†† | NSPS & NESHAPS Provision of Sampling and Testing Facilities Requirements | D | 11/08/76 | N/A |
| 19.2 | Continuous Emission Monitoring Requirements | F | 01/12/79 | 09/28/81 |
| 19.3 | Emission Information | F | 5/15/96 | 03/09/00 |
| 20 | Standards for Granting Permits | D/F | 04/25/89 | Pending |
| 20.1 | Definitions, Emission Calculations, Emission Offsets and Banking, Exemptions, and Other Requirements | F | 12/17/98 | 04/14/81 |
| 20.1 | NSR - General Provisions | D/F | 12/17/98 | Pending |
| 20.2 | Standards for Authority to Construct - Best Available Air Pollution Control Technology | F | 12/17/98 | 04/14/81 |
| 20.2 | NSR - Non-major Stationary Sources | D/F | 12/17/98 | Pending |
| 20.3 | Standards for Authority to Construct - Air Quality Analysis | F | 12/17/98 | 04/14/81 |
| 20.3 | NSR - Major Stationary Source and PSD Stationary Source | D/F | 12/17/98 | Pending |
| 20.4 | Standards for Authority to Construct - Major Stationary Sources | F | 12/17/98 | 04/14/81 |
| 20.4 | NSR - Portable Emission Units | D/F | 12/17/98 | Pending |

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| 20.5 | Power Plants | F | 07/05/79 | 04/14/81 |
| 20.6 | Standards for Permit to Operate - Air Quality Analysis | F | 07/05/79 | 04/14/81 |
| 20.6 | Standards for Permit to Operate Air Quality Analysis | D/F | 12/14/87 | Pending |
| 20.8 | Special Offset Requirement Relating to Banking | D | 2/16/83 | N/A |
| 21 | Permit Conditions | F | 11/29/94 | 03/11/98 |
| 22 | Denial of Applications | F | 01/01/69† | 09/22/72 |
| 23 | Further Information | F | 01/01/69† | 09/22/72 |
| 24 | Temporary Permit to Operate | F | 03/20/96 | 10/24/08 |
| 25 | Appeals | F | 01/01/69† | 09/22/72 |
| 25 | Appeals | D/F | 06/21/00 | Pending |
| 26.0 | Banking of Emission Reduction Credits (ERCs) - General Requirements | D/F | 10/22/97 | Pending |
| 26.1 | Standards for Granting Emission Reduction Credits (ERCs) | D/F | 10/22/97 | Pending |
| 26.2 | Use of Emission Reduction Credits (ERCs) | D/F | 10/22/97 | Pending |
| 26.3 | Reclassification of Class B Emission Reduction Credits (ERCs) | D/F | 10/22/97 | Pending |
| 26.4 | Permanency of Banked Emission Reduction Credits (ERCs) | D/F | 10/22/97 | Pending |
| 26.5 | Transfer of Emission Reduction Credits (ERCs) | D/F | 10/22/97 | Pending |
| 26.6 | District Banking of Emission Reduction Credits (ERCs) | D/F | 10/22/97 | Pending |
| 26.7 | Shutdown and Related Emission Unit | D/F | 10/22/97 | Pending |
| 26.8 | Banking of Limited Emission Reductions | D/F | 10/22/97 | Pending |
| 26.9 | Emission Reduction Credit Certificates and The Emission Reduction Credit Register | D/F | 10/22/97 | Pending |
| 26.10 | Banking For BRAC Military Base Closure or Realignment Actions | D/F | 10/22/97 | Pending |
| 27 | Banking of Mobile Source Emission Reduction Credits | D/F | 11/29/94 | Pending |
| 27.1 | Federal Requirements for San Diego County APCD Alternative Mobile Source Emission Reduction Program Approved On 9/8/2000 | F | 08/06/08 | 06/03/09 |
| | **REGULATIONS III - FEES** | | | |
| 40 | Permit Fees | D | 01/01/12 | N/A |
| 42 | Hearing Board Fees | D | 07/01/00 | N/A |
| 44 | Technical Reports, Charges for | D | 12/7/83 | N/A |

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| | **REGULATIONS IV - PROHIBITIONS** | | | |

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|---|---|---|---|---|
| 50 | Visible Emissions | F | 08/13/97 | 12/7/98 |
| 50.1†† | NSPS & NESHAPS Visible Emissions Requirements | D | 11/08/76 | N/A |
| 51 | Nuisance | F | 01/01/69† | 09/22/72 |
| 52 | Particular Matter | F | 01/22/97 | 12/9/98 |
| 52.1†† | NSPS & NESHAPS Particular Matter Requirements | D | 11/08/76 | N/A |
| 53 | Specific Contaminants | F | 01/22/97 | 12/9/98 |
| 53.1 | Scavenger Plants | F | 01/01/69† | 09/22/72 |
| 53.2†† | NSPS & NESHAPS Specific Contaminants Requirements | D | 11/08/76 | N/A |
| 54 | Dusts and Fumes | F | 01/22/97 | 12/9/98 |
| 54.1 | NSPS & NESHAP Dust and Fumes Requirement | D | 11/08/76 | N/A |
| 58 | Incinerator Burning | F | 01/17/73† | 05/11/77 |
| 59 | Control of Waste Disposal - Site Emissions | D | 11/03/87 | Withdrawn |
| 59.1 | Municipal Solid Waste Landfills | D | 06/17/98 | N/A |
| 60 | Circumvention | F | 05/17/94 | 03/09/00 |
| 60.2 | Limiting Potential to Emit - Synthetic Minor Sources | D | 04/04/12 | N/A |
| 61.0 | Definitions Pertaining to the Storage & Handling of Organic Compounds | F | 10/16/90 | 09/13/93 |
| 61.1 | Receiving & Storing Volatile Organic Compounds at Bulk Plants & Bulk Terminals | F | 01/10/95 | 08/08/95 |
| 61.2 | Transfer of Volatile Organic Compounds into Mobile Transport Tanks | F | 07/26/00 | 08/26/03 |
| 61.3 | Transfer of Volatile Organic Compounds into Stationary Storage Tanks | F | 10/16/90 | 06/30/93 |
| 61.3.1 | Transfer of Gasoline into Stationary Underground Storage Tanks | D | 03/01/06 | N/A |
| 61.4 | Transfer of Volatile Organic Compounds into Vehicle Fuel Tanks | F | 10/16/90 | 05/13/93 |
| 61.4 | Transfer of Volatile Organic Compounds into Vehicle Fuel Tanks | D/F | 03/26/08 | Pending |
| 61.4.1 | Transfer of Gasoline from Stationary Underground Storage Tanks into Vehicles Fuel Tanks | D | 03/01/06 | N/A |
| 61.5 | Visible Emission Standards for Vapor Control Systems | F | 09/20/78† | 04/14/81 |
| 61.6 | NSPS Requirements for Storage of Volatile Organic Compounds | D | 01/13/87 | Withdrawn |
| 61.7 | Spillage and Leakage of Volatile Organic Compounds | F | 01/13/87 | 03/11/98 |
| 61.8 | Certification Requirements for Vapor Control Equipment | F | 01/13/87 | 03/11/98 |

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| 62 | Sulfur Content of Fuels | F | 10/21/81 | 07/06/82 |
| 62.1†† | NSPS Requirements for Sulfur Content of Fuels | D | 11/08/76 | N/A |
| 64 | Reduction of Animal Matter | F | 08/21/81 | 07/06/82 |
| 66 | Organic Solvents | F | 07/25/95 | 08/11/98 |
| 66.1 | Miscellaneous Surface Coating Operations and Other Processes Emitting VOCs | D/F | 2/24/10 | Pending |
| 67.0 | Architectural Coatings | F | 04/09/03 | 03/27/97 |
| 67.0 | Architectural Coatings | D/F | 12/12/01 | Pending |
| 67.1 | Alternative Emission Control Plans | F | 05/15/96 | 03/27/97 |
| 67.2 | Dry Cleaning Equipment Using Petroleum - Based Solvent | F | 05/15/96 | 03/27/97 |
| 67.3 | Metal Parts and Products Coating Operations | F | 05/15/96 | 03/27/97 |
| 67.4 | Metal Container, Metal Closure and Metal Coil Coating Operations | F | 05/15/96 | 11/03/97 |
| 67.5 | Paper, Film and Fabric Coating Operations | F | 05/15/96 | 03/27/97 |
| 67.6.1 | Cold Solvent Cleaning and Stripping Operations | F | 5/23/07 | 10/13/09 |
| 67.6.2 | Vapor Degreasing Operations | F | 5/23/07 | 10/13/09 |
| 67.7 | Cutback and Emulsified Asphalts | F | 05/15/96 | 03/27/97 |
| 67.9 | Aerospace Coating Operations | F | 04/30/97 | 08/17/98 |
| 67.10 | Kelp Processing and Bio-Polymer Manufacturing | F | 06/25/97 | 06/22/98 |
| 67.11 | Wood Parts and Products Coating Operations | D/F | 09/25/02 | Pending |
| 67.11.1 | Large Coating Operations for Wood Products | F | 09/25/02 | 06/05/03 |
| 67.12 | Polyester Resin Operations | F | 05/15/96 | 03/27/97 |
| 67.15 | Pharmaceutical and Cosmetic Manufacturing Operations | F | 05/15/96 | 03/27/97 |
| 67.16 | Graphic Arts Operations | F | 05/09/12 | 03/27/97 |
| 67.17 | Storage of Materials Containing Volatile Organic Compounds | F | 05/15/96 | 03/27/97 |
| 67.18 | Marine Coating Operations | F | 05/15/96 | 03/27/97 |
| 67.19 | Coating and Printing Inks Manufacturing Operations | F | 05/15/96 | 01/19/00 |
| 67.20.1 | Motor Vehicle and Mobile Equipment Coating Operations | D | 06/30/10 | N/A |
| 67.21 | Adhesive Material Application Operations | D | 11/14/08 | N/A |
| 67.22 | Expandable Polystyrene Foam Products Manufacturing Operations | D | 05/15/96 | N/A |
| 67.24 | Bakery Ovens | F | 05/15/96 | 03/27/97 |
| 68 | Fuel-Burning Equipment – Oxides of Nitrogen | F | 09/20/94 | 04/09/96 |
| 68.1†† | NSPS Requirements for Oxides of Nitrogen from Fuel-Burning Equipment | D | 11/08/76 | N/A |
| 69 | Electrical Generating Steam Boilers, Replacement Units & New Units | D | 12/12/95 | N/A |

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|---|---|---|---|---|
| 69.2 | Industrial & Commercial Boilers, Process Heaters & Steam Generators | F | 09/27/94 | 02/09/96 |
| 69.2.1 | Small Boilers, Process Heaters and Steam Generators | D | 03/25/10 | N/A |
| 69.3 | Stationary Gas Turbine Engines | F | 09/27/94 | 06/17/97 |
| 69.3 | Stationary Gas Turbine Engines – RACT | D/F | 12/16/98 | Pending |
| 69.3.1 | Stationary Gas Turbine Engines – BARCT | D | 02/24/10 | N/A |
| 69.4 | Stationary Internal Combustion Engines | F | 09/27/94 | 01/22/97 |
| 69.4 | Stationary Internal Combustion Engines – RACT | D/F | 07/30/03 | 2/25/04 |
| 69.4.1 | Stationary Internal Combustion Engines - BARCT | D | 11/15/00 | N/A |
| 69.5 | Natural Gas-Fired Water Heaters | D | 01/01/99 | N/A |
| 69.6 | Natural Gas-Fired Fan-Type Central Furnaces | D | 06/17/98 | N/A |
| 70 | Orchard Heaters | F | 01/17/72 | 09/22/72 |
| 71 | Abrasive Blasting | F | 03/30/77 | 08/31/78 |
| | **REGULATION V - PROCEDURES BEFORE THE HEARING BOARD** | | | |
| 75 | Procedure Before the Hearing Board | D/F | 09/17/85 | Pending |
| 75.1†† | NSPS & NESHAPS Variance Procedures | D | 09/17/85 | 7/30/79 |
| 97 | Emergency Variance | D/F | 07/25/95 | Pending |
| 98 | Breakdown Conditions: Emergency Variance | D | 07/25/95 | Withdrawn |
| | **REGULATION VI - BURNING CONTROL** | | | |
| 101 | Burning Control | F | 09/25/02 | 04/30/03 |
| | **REGULATION VII - VALIDITY AND EFFECTIVE DATE** | | | |
| 140 | Validity | F | 01/01/69† | 09/22/72 |
| 141 | Effective Date | F | 01/01/69† | 09/22/72 |
| | **REGULATION VIII - SAN DIEGO AIR POLLUTION EMERGENCY PLAN** | | | |
| 126 | Applicability | F | 05/25/77 | 08/31/78 |
| 127 | Episode Criteria Levels | F | 09/17/91 | 03/18/99 |
| 128 | Episode Declaration | F | 09/17/91 | 03/18/99 |
| 129 | Episode Termination | F | 05/25/77 | 08/31/78 |
| 130 | Episode Actions | F | 09/17/91 | 03/18/99 |
| 131 | Stationary Source Curtailment Plan | F | 04/01/81 | 06/21/82 |
| 132 | Traffic Abatement Plan | F | 04/01/81 | 06/21/82 |
| 132 | Traffic Abatement Plan | D/F | 12/17/97 | Pending |
| 133 | Schools | F | 05/25/77 | 08/31/78 |
| 134 | Source Inspection | F | 04/01/81 | 06/21/82 |
| 135 | Air Monitoring Stations | F | 05/25/77 | 08/31/78 |

| | | | | |
|---|---|---|---|---|
| 136 | Interdistrict and Interbasin Coordination | F | 05/25/77 | 08/31/78 |
| 137 | Emergency Action Committee | F | 05/25/77 | 08/31/78 |
| 138 | Procedures and Plans | F | 05/25/77 | 08/31/78 |
| | APPENDIX A - Persons to be Notified on Episode Declaration | F | | |
| | **REGULATION IX - PUBLIC RECORDS** | | | |
| 175 | General | F | 05/22/74† | 05/11/77 |
| 176 | Information Supplied to District | F | 05/22/74† | 05/11/77 |
| 177 | Inspection of Public Records | F | 03/30/77 | 08/31/78 |
| 177 | Inspection of Public Records | D/F | 06/20/01 | Pending |
| | **REGULATION XII - TOXIC AIR CONTAMINANTS** | | | |
| 1200 | Toxic Air Contaminants - New Source Review | D | 06/12/96 | N/A |
| 1202 | Hexavalent Chromium - Cooling Towers | D | 07/25/95 | N/A |
| 1203 | Ethylene Oxide Sterilizers and Aerators | D | 07/26/00 | N/A |
| 1205 | Control of Dioxins Emissions from Medical Waste Incinerators | D | 01/01/94 | N/A |
| 1210 | Toxic Air Contaminant Public Health Risks - Public Notification and Risk Reduction | D | 06/12/96 | N/A |

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|---|---|---|---|---|
| | **REGULATION XIV -**<br>**TITLE V OPERATING PERMITS** | | | |
| 1401 | General Provisions | F | 02/27/04 | 02/27/04 |
| 1410 | Permit Required | F | 02/27/04 | 02/27/04 |
| 1411 | Exemption from Permit to Operate for Insignificant Units | F | 03/07/95 | 11/30/01 |
| 1412 | Federal Acid Rain Program Requirements | F | 01/18/94 | 11/30/01 |
| 1413 | Early Reduction of Hazardous Air Pollutants | F | 03/07/95 | 11/30/01 |
| 1414 | Applications | F | 03/07/95 | 11/30/01 |
| 1415 | Permit Process-Public Notification | F | 02/27/04 | 02/27/04 |
| 1417 | Pendency & Cancellation of Applications | F | 03/07/95 | 11/30/01 |
| 1418 | Action on Applications | F | 02/27/04 | 11/30/01 |
| 1419 | Provisions of Sampling & Testing Facilities & Emission Information | F | 03/07/95 | 11/30/01 |
| 1420 | Standards for Granting Permits | F | 03/07/95 | 11/30/01 |
| 1421 | Permit Conditions | F | 02/27/04 | 02/27/04 |
| 1422 | Denial or Cancellation Of Applications | F | 03/07/95 | 11/30/01 |
| 1423 | Further Information | F | 01/18/94 | 11/30/01 |
| 1424 | Applications Deemed Denied | F | 01/18/94 | 11/30/01 |
| 1425 | Appeals & Judicial Review | F | 02/27/04 | 02/27/04 |
| | APPENDIX A - Insignificant Units | F | 02/27/04 | 11/30/01 |
| | **REGULATION XV -**<br>**FEDERAL CONFORMITY** | | | |
| 1501 | Conformity of General Federal Actions | F | 06/22/99 | 04/23/99 |

The following NSPS and NESHAP have been adopted locally by the District. EPA has granted the District delegation for each of these rules. Therefore, these rules, as adopted by the District are the federally applicable requirements. For all other NSPS and NESHAP, the versions cited in the CFR are the federally applicable requirements.

| Subpart & Citation | Rule Title | District Adoption Date | Federal Delegation Date |
|---|---|---|---|
| **Part 60** | **Regulation X - Standards of Performance for New Stationary Sources** | | |
| A | General Provisions | Unknown<br>11/03/92 | 11/08/76 |
| E | Standards of Performance for Incinerators | Unknown | 03/30/77 |
| I | Standards of Performance for Asphalt Concrete Plants | Unknown<br>01/13/87 | 11/08/76 |
| L | Standards of Performance for Secondary Lead Smelters | Unknown | 11/08/76 |
| M | Standards of Performance for Secondary Brass and Bronze Ingot Production Plants | Unknown<br>09/17/85* | 03/30/77 |
| O | Standards of Performance for Sewage Treatment Plants | 01/13/87 | 09/17/87 |
| DD | Standards of Performance for Grain Elevators | Unknown | 05/24/82 |
| EE | Standards of Performance for Surface Coating Metal Furniture | 03/04/86<br>11/03/92 | 03/19/87 |
| QQ | Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing | 08/24/83 | 12/22/83 |
| RR | Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations | 09/17/86<br>11/03/92 | 03/19/87 |
| SS | Standards of Performance for the Industrial Surface Coating Large Appliances | 02/22/84<br>11/03/92* | 04/24/84 |
| TT | Standards of Performance for Metal Coil Surface Coating | 02/22/84<br>11/03/92* | 04/24/84 |
| BBB | Standards of Performance for the Rubber Tire Manufacturing Industry | 03/14/89 | 07/18/89 |
| FFF | Standards of Performance for Flexible Vinyl and Urethane Coating and Printing | 09/17/86 | 03/19/87 |
| JJJ | Standards of Performance for Petroleum Dry Cleaners | 12/15/87 | 07/18/89 |
| **Part 61** | **Regulation XI- National Emission Standards for Hazardous Air Pollutants (NESHAPS)** | | |
| A | General Provisions | 01/13/87 | 05/24/82 |
| C | National Emission Standard for Beryllium | Unknown | 11/08/76 |
| D | National Emission Standard for Beryllium Rocket Motor Firing | Unknown | 11/08/76 |
| E | National Emission Standard for Mercury | 03/27/90 | 05/17/91 |
| F | National Emission Standard for Vinyl Chloride | 08/17/77<br>06/16/78 | 11/21/77 |
| M | National Emission Standard for Asbestos | 06/04/85<br>02/01/95 | 07/18/89 |

The following ATCM and NESHAP have not been adopted by the District, but are being implemented and enforced by the District as ATCM's.

| Subpart & Citation | RULE TITLE | A/R | Most Recent Adoption Date |
|---|---|---|---|
| | **DISTRICT RULES AND REGULATIONS APPENDIX A - CALIFORNIA AIRBORNE TOXIC CONTROL MEASURES (ATCM)** | | |
| 17 CCR § 93102 | Hexavalent Chromium ATCM for Chrome Plating & Chromic Acid Anodizing Operations | D/F | 12/7/06 |
| 17 CCR § 93109 | ATCM For Emissions of Perchloroethylene From Dry Cleaning Operations | F | 01/25/07 |
| 17 CCR § 93101.5 | ATCM to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying | D | 09/30/05 |
| 17 CCR § 93105 | ATCM for Construction, Grading, Quarrying, and Surface Mining Operations | D | 07/26/01 |
| 17 CCR § 93106 | Asbestos ATCM for Surface Applications | D | 07/20/00 |
| 17 CCR § 93107 | ATCM For Emissions of Toxic Metals From Non-Ferrous Metal Melting | D | 01/14/93 |
| 17 CCR § 93111 | ATCM for Emissions of Chlorinated Toxic Air Contaminants from Automotive Maintenance & Repair Activities | D | 04/27/00 |
| 17 CCR § 93112 | ATCM for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Motor Equipment Coatings | D | 09/20/01 |
| 17 CCR § 93113 | ATCM to Reduce Emissions of Toxic Air Contaminants from Outdoor Residential Waste Burning | D | 02/03/03 |
| 17 CCR § 93115 | ATCM for Stationary Compression Ignition Engines | D | 05/19/11 |
| 17 CCR § 93116 | ATCM for Portable Diesel-Fueled Engines | D | 02/19/11 |
| **Part 63** | **DISTRICT RULES AND REGULATIONS APPENDIX B - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) FOR SOURCE CATEGORIES** | | |
| A | General Provisions | F | 05/16/07 |
| N | Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks | F | 04/20/06 |
| O | Ethylene Oxide Sterilization Facilities | F | 12/28/07 |
| R | Gasoline Distribution | F | 01/24/11 |
| T | Halogenated Solvent Cleaning | F | 09/08/00 |
| DD | Off-site Waste & Recovery Operations | F | 07/20/99 |

| | | | |
|---|---|---|---|
| GG | Aerospace Manufacturing and Rework Facilities | F | 12/08/00 |
| II | Shipbuilding and Ship Repair (Surface Coating) | F | 12/15/95 |
| JJ | Wood Furniture Manufacturing Operations | F | 12/28/98 |
| VVV | Publicly Owned Treatment Works | F | 10/21/02 |
| AAAA | Municipal Solid Waste Landfills | F | 01/16/03 |
| EEEE | Organic Liquids Distribution (non-gasoline) | F | 07/17/08 |
| MMMM | Surface Coating of Miscellaneous Metal Parts and Products | F | 04/26/04 |
| PPPP | Plastic Parts (surface coating) | F | 04/24/07 |
| SSSS | Surface Coating of Metal Coil | F | 03/17/03 |
| VVVV | Boat Manufacturing | F | 08/22/01 |
| WWWW | Reinforced Plastic Composites Production | F | 8/25/05 |
| YYYY | Stationary Combustion Turbines | F | 08/18/04 |
| ZZZZ | Stationary Reciprocating Internal Combustion Engines | F | 03/09/11 |
| DDDDD | Industrial, Commercial, and Institutional Boilers and Process Heaters | F | 05/18/11 |
| GGGGG | Site Remediation | F | 11/29/06 |
| HHHHH | Miscellaneous Coating Manufacturing | F | 10/04/06 |
| PPPPP | Engine Test Cells/Stands | F | 08/28/03 |
| WWWWW | Hospital Ethylene Oxide Sterilizers Area Sources | F | 12/28/07 |
| BBBBBB | Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities | F | 01/24/11 |
| CCCCCC | Gasoline Dispensing Facilities | F | 01/24/11 |
| HHHHHH | Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources | F | 01/09/08 |
| JJJJJJ | Area Sources: Industrial, Commercial, and Institutional Boilers | F | 3/21/11 |
| QQQQQQ | Wood Preserving Area Sources | F | 07/16/07 |
| VVVVVV | Chemical Manufacturing Area Sources | F | 11/29/09 |
| WWWWWW | Plating and Polishing Operations Area Sources | F | 07/01/08 |
| XXXXXX | Metal Fabrication and Finishing Area Sources | F | 7/23/08 |
| AAAAAAA | Asphalt Processing and Asphalt Roofing Manufacturing Area Sources | F | 12/02/09 |
| CCCCCCC | Paint and Allied Products Manufacture Area Sources | F | 12/03/09 |

The following NSPS have been adopted by the District by reference. The rules listed below are the CFR versions of these rules which are federally applicable requirements.

| Subpart & Citation | RULE TITLE | Latest EPA Promulgation Date | District Adoption Date | Delegation Date |
|---|---|---|---|---|
| **Part 60** | **DISTRICT RULES AND REGULATIONS APPENDIX C - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES (NSPS)** | | | |
| D | Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971 | 10/17/00<br>01/28/09 | 10/17/01<br>06/24/09 | 01/03/08<br>Pending |
| Da | Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978 | 06/11/01<br>01/28/09 | 10/17/01<br>06/24/09 | 01/03/08<br>Pending |
| Db | Standards of Performance for Industrial-Commercial -Institutional Steam Generating Units | 10/01/01<br>01/28/09 | 04/25/01<br>06/24/09 | 01/03/08<br>Pending |
| Dc | Standards of Performance for Small Industrial-Commercial -Institutional Steam Generating Units | 05/08/96<br>01/28/09 | 08/13/97<br>06/24/09 | 06/24/98<br>Pending |
| GG | Standards of Performance for Stationary Gas Turbines | 06/27/89<br>02/24/06 | 10/17/01<br>02/25/09 | 01/03/08<br>Pending |
| K | Standards of Performance for Storage Vessels for Petroleum Liquids Construct After June 11, 1973 and prior to May 19, 1978 | 10/17/00 | 06/20/07 | 01/03/08 |
| Ka | Standards of Performance for Storage Vessels for Petroleum Liquids Construction After May 18, 1978 | 12/14/00 | 06/20/07 | 01/03/08 |
| Kb | Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 | 10/15/03 | 06/20/07 | 01/03/08 |
| AAA | Standards of Performance for New Residential Wood Heaters | 06/12/99<br>10/17/00 | 04/12/00<br>N/A | 01/03/08<br>N/A |
| OOO | Standards of Performance for Nonmetallic Mineral Processing Plants | 06/09/97<br>10/17/00 | 04/28/99<br>N/A | 05/28/02<br>N/A |
| UUU | Standards of Performance for Calciners and Dryers in Mineral Industries | 07/29/93<br>10/17/00 | 11/17/99<br>N/A | 05/28/02<br>N/A |
| VVV | Standards for Polymeric Coating of Supporting Substrates Facilities | 09/11/89 | 05/23/07 | 01/03/08 |
| WWW | Standards of Performance for Municipal Solid Waste Landfills | 04/10/00 | 08/13/97 | 06/24/98 |
| AAAA | Standards of Performance for Small Municipal Waste Combustion Units | 12/06/00 | 06/20/07 | 01/03/08 |
| CCCC | Standards of Performance for Commercial and Industrial Solid Waste Incineration Units | 12/01/00 | 06/20/07 | 01/03/08 |
| EEEE | Standards of Performance for Other Solid Waste Incineration Units | 12/16/05 | 06/20/07 | 01/03/08 |

| | | | | |
|---|---|---|---|---|
| KKKK | Standards of Performance for Stationary Combustion Turbines | 07/06/06 | 02/25/09 | 06/01/09 |

The following NSPS have not been adopted by the District and are not delegated to the District. However, the District has the authority to enforce the NSPS through the Title V program. The rules listed below are the CFR versions of these rules, which are federally applicable requirements.

| Subpart & Citation | RULE TITLE | Latest EPA Promulgation Date | District Adoption Date | Delegation Date |
|---|---|---|---|---|
| **Part 60** | | | | |
| IIII | Standards of Performance for Stationary Compression Ignition Internal Combustion Engines | 07/11/06 | N/A | N/A |
| JJJJ | Standards of Performance for Stationary Spark Ignition Internal Combustion Engines | 01/18/08 | N/A | N/A |

1. Rule Citations marked with an "††" contain no substantive requirements and are listed for informational purposes only.
2. 'A/R' Denotes enforceability of the listed applicable requirement as follows:
   - 'F' Denotes a Federal applicable requirement that is federally enforceable and District enforceable.
   - 'D/F' Denotes a District applicable requirement which is pending SIP approval. When such a rule receives SIP approval, it supersedes the existing SIP rule and becomes the Federal applicable requirement.
   - 'D' Denotes a District only applicable requirement. This may include some state requirements that are enforceable by the District.
3. District adoption dates marked with an "†" are the effective date of the rule, the actual adoption date is uncertain.
4. On September 17, 2010, EPA approved the District's November, 4, 2009, revision to the table of exempt compounds in Rule 2, which can be administratively amended without Board action to amend the rule.

## APPENDIX C: ABBREVIATIONS THAT MAY APPEAR IN THIS PERMIT

| | |
|---|---|
| APCO | Air Pollution Control Officer |
| ASTM | American Society for Testing and Methods |
| BACT | Best Available Control Technology |
| CAA | federal Clean Air Act |
| CFR | Code of Federal Regulations |
| CO | Carbon Monoxide |
| $CO_2$ | Carbon Dioxide |
| District | San Diego County Air Pollution Control District |
| EF | Emission Factor |
| EPA | US Environmental Protection Agency |
| HAP | Hazardous Air Pollutant |
| I&M | Inspection and Maintenance |
| NESHAP | National Emission Standard for Hazardous Air Pollutants |
| NSPS | New Source Performance Standards |
| NSR | New Source Review |
| [NSR] | New Source Review based condition |
| $NO_X$ | Oxides of nitrogen |
| $O_2$ | Oxygen |
| OES | Office of Environmental Services |
| O&M | Operation and maintenance |
| Pb | Lead |
| PM | Total Particulate Matter |
| $PM_{10}$ | Particulate matter with aerodynamic equivalent diameter of ≤ 10 microns |
| PSD | Prevention of Significant Deterioration |
| RMP | Risk Management Plan |
| SDCAPCD | San Diego County Air Pollution Control District |
| SIP | State Implementation Plan |
| $SO_X$ | Oxides of sulfur |
| Title IV | Title IV of the federal Clean Air Act |
| Title V | Title V of the federal Clean Air Act |
| VOC | Volatile organic compound |

Units of Measure:

| | | |
|---|---|---|
| dscf | = | Dry standard cubic foot |
| g | = | grams |
| gal | = | gallon |
| gr/dscf | = | Grains per dry standard cubic foot |
| hr | = | hour |
| lb | = | pound |
| in | = | inches |
| max | = | maximum |
| min | = | minute |
| MM Btu | = | Million British thermal units |
| psia | = | pounds per square inch, absolute |
| scf | = | Standard cubic foot |
| scfm | = | standard cubic feet per minute |
| yr | = | year |