San Diego County Air Pollution Control District

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

TITLE V OPERATING PERMIT
APCD2009-TVP-961005

Issued To:

County of San Diego Department of Public Works
San Marcos Landfill
Site ID # APCD1990-SITE-03325

Site Address:

San Marcos Landfill
San Marcos, CA 92069
(858) 694-2212

Mailing Address:

5510 Overland Ave, MS-O-350
San Diego, CA 92123

Responsible Official – William P. Morgan
Facility Contact – Melissa Porter, Craig Burnett
Permit Information Contact – Melissa Porter, Craig Burnett

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

This Title V Operating Permit expires on _____.

Signed by: _____

Mohsen Nazemi, MS, PE. Date
Chief, Engineering Division
San Diego County Air Pollution Control District

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

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:
https://www.sdapcd.org/content/sdapcd/rules.html

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

SD Air Pollution Control District
Compliance Division
10124 Old Grove Rd
San Diego, CA 92131-1649

USEPA Region IX
ECAD Attn: ENF 2-1
75 Hawthorne Street
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 a complete 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 timeframe 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 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 (5) years from their date of creation. Such records shall be maintained on-site for a minimum of three years. This requirement controls and supersedes any other record retention requirement under this permit as it pertains to, and is required by, District Rule 1421 and Title V of the Clean Air Act. [Rule 1421
3. 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 a location to be specified by the source and made readily available to the District upon request. [Rule 21]
4. 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 1401-J1 and Form 1401-J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421]
5. 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 1401-J1 and Form 1401-J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421]
6. 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]

7. 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]
8. 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 federal enforcement action or enforcement action by the District; 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 from 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(a)	Permits Required - (a) Authority to Construct
SDCAPCD Reg. II	10(b)	Permits Required- (b) Permit to Operate
SDCAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDCAPCD Reg. II	19.3	Emission Information
SDCAPCD Reg. II	NSR	New Source Review
SDCAPCD Reg. II	PSD	Prevention of Significant Deterioration
SDCAPCD Reg. II	20.1	New Source Review (General)
SDCAPCD Reg. II	20.2	New Source Review (Non-major Stationary Sources)
SDCAPCD Reg. II	21	Permit Conditions
SDCAPCD Reg. IV	59*	Control of Waste Disposal − Site Emissions
SDCAPCD Reg. IV	60	Circumvention
SDCAPCD Reg. IV	67	Architectural Coatings
SDCAPCD Reg. IV	68	Fuel Burning Equipment - NOx
SDCAPCD Reg. IV	71	Abrasive Blasting
SDCAPCD Reg. V	98	Breakdown Conditions: Emergency Variance
SDCAPCD Reg. VI	101	Burning Control
SDCAPCD Reg. VIII	131	Stationary Source Curtailment Plan
SDCAPCD Reg. VIII	132	Traffic Abatement Plan

**The facility is subject to 59.1 instead, as a municipal solid waste landfill*

B. GENERAL PROHIBITORY 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. II	19.2	Continuous Emission Monitoring Systems
SDCAPCD Reg. IV	50	Visible Emissions
SDCAPCD Reg. IV	51	Nuisance
SDCAPCD Reg. IV	52	Particulate Matter
SDCAPCD Reg. IV	53	Specific Contaminants
SDCAPCD Reg. IV	59.1	Municipal Solid Waste Landfills
SDCAPCD Reg. IV	62	Sulfur Content of Fuels
SDCAPCD Reg. IV	67.0.1	Architectural Coatings
SDCAPCD Reg. IV	67.17	Storage of Organic Materials Containing VOC
SDCAPCD Reg. XII	1200	Toxic Air Contaminants – New Source Review
SDCAPCD Reg. XII	1210	Toxic Air Contaminants – Public Notification and Risk Reduction
SDCAPCD Reg. XII	1206*	Asbestos Removal, Renovation, and Demolition
40 CFR Part 60	Subpart A	NSPS General Provisions
40 CFR Part 60	Subpart Cf	NSPS - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills
40 CFR Part 61	Subpart M*	NESHAP - Asbestos
40 CFR Part 62	Subpart OOO**	NSPS – Municipal Solid Waste Landfills
40 CFR Part 63	Subpart A	NESHAP General Provisions
40 CFR Part 63	Subpart AAAA	NESHAP - Municipal Solid Waste Landfills
California Landfill Methane Rule	CCR §§ 95460 to 95476	Methane Emissions from Municipal Solid Waste Landfills

** The District issued its own Asbestos Rule 1206 intended to be as stringent as Subpart M. The facility is subject to the most stringent requirements of either rule, which at the time of this report is ensured by compliance with Rule 1206.*

*** The following seven provisions from subpart OOO were codified as they were deemed missing from the California Landfill Methane Rule: 40 CFR 62.16716(c), 62.16720(a)(4), 62.16722(a)(2) and (3), 62.16724(k), and 62.16726(e)(2) and (5).*

C. PERMIT SHIELDS

1. No permit shield applies.

D. ADDITIONAL TERMS

1. The permittee shall comply with all applicable requirements, including but not limited to, those applicable requirements of 40 CFR Parts 60, 61, 62, and 63.

SECTION III. EMISSION UNIT REQUIREMENTS

A. DISTRICT PERMITTED EMISSION UNITS

Facility Emission Units (EU) are listed below and attached in Appendix A, including all terms and conditions of such permits, and comprise the emission unit portion of this Title V Operating Permit.

EU Reference	Source
APCD2009-PTO-900245	Inactive Non-Hazardous Municipal Solid Waste Landfill with Two Flares

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. II	19.2	Continuous Emission Monitoring Requirements
SDCAPCD Reg. II	NSR	New Source Review
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

C. INSIGNIFICANT EMISSION UNITS AND ACTIVITIES

The permittee shall comply with the applicable requirements specified in the District Rules and Regulations for any Insignificant Units located at this facility that are listed at District Regulation XIV, Appendix-A (no insignificant units were listed in the permittee's application).

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: EMISSION UNITS – SPECIFIC CONDITIONS

EU Reference	Source
APCD2009-PTO-900245	Inactive Non-Hazardous Municipal Solid Waste Landfill with Two Flares

San Diego County Air Pollution Control District

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131-1649
PHONE (858) 586-2600 Fax (858) 586-2601
www.sdapcd.org

Sectors: 2, E
Site ID: APCD1990-SITE-003325
App ID: APCD2018-APP-005299

PERMIT ID
APCD2009-PTO-900245

County of San Diego - Department of Pu
Land Use/Environmental Planner Meliss
5510 Overland Avenue, Suite 210 MS-
San Diego CA, 92123

EQUIPMENT ADDRESS
SD Co of Pub Wks San Marcos
Jason Forga
San Marcos Landfill
San Marcos CA 92078

PERMIT TO OPERATE

This permit is not valid until required fees are received by the District.

The above 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.

EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

An inactive non-hazardous solid waste municipal landfill containing approximately 12.9 million tons of refuse on 200 acres equipped with a landfill gas collection and control system consisting of multiple gas collection wells, multiple off-site gas migration probes, header piping, blowers, and two enclosed ground flares. Both the primary flare (4500 cfm LFG capacity) and secondary flare (1000 cfm LFG capacity) are each equipped with flame arrestors, optical flame detectors, automatic shutoff valves, auxiliary fuel, LFG flow meters, stack temperature probes, inline LFG oxygen analyzers, and condensate injection systems as well as all necessary piping, valves, sampling ports, fittings, instrumentation, controls, and support equipment.

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.

Fee Schedules: 1 [93A] Test Witness and Report Review (T&M)
1 [48C] Waste Disposal Site/Landfill
1 [48C] Waste Disposal Site/Landfill

BEC: APCD2016-CON-001208

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The permittee is subject to and shall comply with the applicable requirements of District Rules 53 and 59.1, the California Landfill Methane Rule, 40 CFR Part 62 subpart OOO, and 40 CFR 63 Subpart AAAA. 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 at each wellhead. The owner or operator may establish a higher operating temperature, provided that a higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires nor significantly inhibit anaerobic decomposition by killing methanogens. [40 CFR 62.16716(c)]

3. The collected landfill gas temperature shall be maintained at less than 62.8° C at each wellhead. The owner or operator may establish a higher operating temperature, provided that a higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires nor significantly inhibit anaerobic decomposition by killing methanogens [40 CFR 63.1958(c)(1)]
4. Temperature gauge maintenance and calibration records shall be maintained for at least five years and made available to the District upon request. [40 CFR 63.1983(c)]
5. 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 semi-annual reports as provided in § 63.1981(h);
   b. Use of a Geomembrane or synthetic cover;
   c. Decommissioned well.

   Owner or operator shall record instances when positive pressure occurs, and actions taken. District upon request for verifying the pressure. The pressure gauge shall be maintained and calibrated in accordance with the manufacturer's specifications. [40 CFR 63.1958(b); 17 CCR 95464(c)]
6. 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 of the landfill gas on a monthly basis as provided in § 62.16720(a)(4). The temperature measuring device must be calibrated annually using the procedure in 40 CFR part 60, appendix A–1, EPA Method 2, section 10.3.
   c. Monitor the nitrogen or oxygen content at each well head.
   d. 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:
      (a) The span shall be set between 10- and 12-percent oxygen
      (b) A data recorder is not required
      (c) Only two calibration gases are required, a zero and a span, and ambient air may be used as the span
      (d) A calibration error check is not required
      (e) The allowable sample bias, zero drift and calibration drift are +/- 10 percent.
   e. A portable gas composition analyzer may be used to monitor the oxygen levels provided that the analyzer is calibrated and the analyzer meets all quality assurance and quality control requirements for EPA Method 3A or ASTM D6522-11. [40 CFR 62.16722(a)(2), 40 CFR 63.1961(a)(2)]
7. 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 59.1(d)(2)(iv)]
8. The Permittee shall operate the control system at all times when the collected gas is routed to the system. [40 CFR 63.1958(f)]
9. The landfill gas destruction system shall be operated to reduce non-methane organic compounds (NMOC) by 98 weight percent or reduce the NMOC outlet concentration to less than 20 ppmv dry basis as hexane at 3 percent oxygen. [40 CFR 63.1959(b)(2)(iii)(B)]
10. If the gas collection system is equipped with a valve to bypass the landfill gas fired IC engines, this bypass valve must be in a closed position with a car-seal or a lock-and-key type of configuration. (40 CFR 63.1961(b)(2)(ii))

11. 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. Efforts to repair the collection or control system must be initiated and completed in a manner such that downtime is kept to a minimum, and the collection and control system must be returned to operation. 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 63.1958(e)(1)]
12. The inlet flow rate of landfill gas to the primary flare shall not exceed 4,500 SCFM. Inlet flow rate of landfill gas to the secondary flare shall not exceed 1,000 SCFM. The combined inlet flow rate of landfill gas to both flares shall not exceed 4,500 SCFM at any time. (Rule 20.3)
13. Condensate injection shall not exceed two (2) gallons per minute at any time. Condensate injection shall not exceed 500,000 gallons per calendar year. Condensate shall be injected only if atomizing guns are operating properly and sufficient compressed air is available to ensure proper atomization. (Rule 1200)
14. The Permittee shall on a monthly basis monitor to verify compliance as follows:

    -Flare Landfill Gas inlet flow rate

    -Condensate injection rate
    [Rules 20.3, 1200]
15. 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, repair, or sampling activities. [Rule 59.1(d)(2)(ii)]
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 59.1(d)(3)]

17. Surface monitoring pursuant to 40 CFR 63 Subpart AAAA:
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 63.1960(d). Surface emission monitoring shall be performed in accordance with Section 8.3.1 of EPA Method 21 except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring must be performed during typical meteorological conditions. The calibration procedures provided in Sections 8 and 10 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. Beginning no later than September 27, 2021, the location must be recorded using an instrument with an accuracy of at least 4 meters. The coordinates must be in decimal degrees with at least five decimal places.
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, and no further monitoring of that location is required until the action specified in Section of the Condition of this section has been 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 timeline 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 63.1958(d) and 40 CFR 63.1960(c)]

18. 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 63.1958(d) and identified by the District Compliance Inspector, shall be considered a Violation. [40 CFR 63.1958(d)]

19. 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 63.1960(a)(1).
b. the density of wells, horizontal collectors, surface collectors or other gas extraction devices determined using the procedures specified in 40 CFR 63.1962(a)(1). [40 CFR 63.1983(b)]

20. 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 63.1958(b), 63.1958(c), and 63.1958(d).
b. Description and duration of all periods when the gas stream was diverted from the control device or treatment system through a bypass line or the indication of bypass flow as specified under 40 CFR 63.1961.
c. Description and duration of all periods when the control device or treatment system was not operating and length of time the control device or treatment system was not operating.
d. All periods when the collection system was not operating.
e. The location of each exceedance of the 500-ppm methane concentration as provided in § 63.1958(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month. Beginning no later than September 27, 2021, for location, you record the latitude and longitude coordinates of each exceedance using an instrument with an accuracy of at least 4 meters. The coordinates must be in decimal degrees with at least five decimal places.
f. The date of installation and the location of each well or collection system expansion added pursuant to § 63.1960(a)(3) and (4), (b), and (c)(4).
g. For any corrective action analysis for which corrective actions are required in § 63.1960(a)(3)(i) or (a)(5) and that take more than 60 days to correct the exceedance, the root cause analysis conducted, including a description of the recommended corrective action(s), the date for corrective action(s) already completed following the positive pressure or high temperature reading, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates.
[40 CFR 63.1981(h)]

21. 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 63.1981(g)]

23. Whenever landfill material is to be brought to the surface during the installation or preparation of wells, piping or other equipment or when landfill waste is to be excavated and moved, the permittee shall notify the District and shall comply with the mitigation measures issued by the District. [Rule 59.1(d)(4)]

24. Excavated material shall be covered to prevent public nuisance and to minimize the release of odors, Toxic Air Contaminants, and reactive organic compounds into the atmosphere. Landfill cover shall be repaired as soon as possible after completion of maintenance, regarding, repairs and/or well installation. Material transported to other disposal sites shall be covered to reduce odors to the maximum extent possible [Rule 59.1(d)(4)]

25. The exhaust gas concentration of Sulfur compounds calculated as Sulfur Dioxide (SO2) while burning gaseous fuel shall not exceed 0.05% by volume on a dry basis. (Rule 53)

26. The Flare exhaust concentrations of Sulfur compounds shall be measured in accordance with EPA Methods 6(C) and 16. (Rule 53)

27. Particulate emissions shall not exceed 0.10 grains per dry standard cubic foot of gas which is standardized to 12 percent of Carbon Dioxide by volume. (Rule 53)

28. If particulate emissions measurements are performed, the emissions shall be measured in accordance with District Method 5. (Rule 53)

29. The maximum emissions of NOx shall not exceed 125 PPMV calculated as nitrogen dioxide @ 3% Oxygen on a dry basis. (Rule 68)

30. The applicable test methods listed in Rule 68 Section (f) and SDCAPCD Test Method 100 shall be used to determine compliance with the NOx emission limits listed above. (Rule 68)

31. 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 59.1(d)(2)(iii)]

32. The owner or operator is subject to Title 17 California Code of Regulations (CCR) Division 3, Chapter 1, Subchapter 10, Article 4, SUBARTICLE 6. METHANE EMISSIONS FROM MUNICIPAL SOLID WASTE LANDFILLS (§§ 95460 through 95476 and Appendix I), which includes, but may not be limited to, the requirements cited in this permit. [17 CCR § 95461]

33. The owner or operator 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:
(1) Use of a geomembrane or synthetic cover, provided the ownor or operator establishes acceptable pressure limits for the wellheads and includes them in the Design Plan;
(2) A decommissioned well;
(3) 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), 95464(d) and 95475]

34. 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]

35. 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]

36. If the owner or operator 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)]

37. If the owner or operator operates a landfill gas control device other than a flare, the device must meet the following requirements:
a. Achieves a methane destruction efficiency of at least 99 percent by weight. Lean burn internal combustion engines must reduce the outlet methane concentration to less than 3,000 ppmv, dry basis, corrected to 15 percent oxygen.
b. If a boiler or a process heater is used as the gas control device, the landfill gas stream must be introduced into the flame zone. Where the landfill gas is not the primary fuel for the boiler or process heater, introduction of the landfill gas stream into the flame zone is not required.
c. The gas control device must be operated within the parameter ranges established during the initial or most recent source test.
[17 CCR §95464(b)(3)(A)]

38. The owner or operator must conduct an annual source test for any gas control device subject to the requirements of sections 95464(b)(2)(A) or 95464(b)(3)(A) 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 owner or operator 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)]

39. 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)]

40. The owner or operator 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 owner or operator 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)]

41. Components containing landfill gas that are under positive pressure must be monitored quarterly for leaks (not to exceed 500 ppmv as methane pursuant §95464(b)(1)(B)). Any component leak must be tagged and repaired within 10 calendar days, or it is a violation.
[17 CCR § 95469(b)(3)]

42. 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)]

43. The owner or operator 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)]

44. 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 owner or operator 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.
(1) 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.
(2) If the re-monitoring shows a third exceedance, the owner or owner or operator must install a new or replacement well, unless an alternative solution is identified and approved by the District, 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 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 §§ 95469(a)(1) and 95971]

45. 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 owner or operator 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.
(1) 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.
(2) 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 § 95469(a)(2)]

46. As provided in section 95468(a)(5), areas of the landfill that obstruct monitoring or are considered to be unsafe or dangerous to field personnel may be excluded from SEM (surface emissions monitoring). Based on ARB staff's review of the supporting documentation, the County is granted approval to exclude areas with thick and heavy brush, active face, paved areas, steep slopes, wet or icy surfaces, construction areas, and other areas considered dangerous to monitor in the judgment of the field technician and as identified in the County of San Diego's (County) May 17, 2011, Alternative Compliance Option Request (Request) and supporting documentation for the San Marcos Landfill (landfill) requesting an alternative compliance option to the requirements set forth in sections 95464 through 95476 of the regulation for "Methane Emissions from Municipal Solid Waste Landfills," California Code of Regulations, title 17, subchapter 10, article 4, subarticle 6 (regulation). (17 CCR § 95468(a)(5))

47. In areas where the landfill surface is covered with low-lying vegetation such as grasses and surface monitoring cannot be conducted pursuant to section 95471(c)(1)(A), the County is granted approval to take measurements with the probe tip placed at the height of the vegetation. (17 CCR § 95471(c)(1)(A), 95468)

48. The owner or operator is granted approval to terminate surface testing when the average wind speed exceeds 8 miles per hour or the instantaneous wind speed exceeds 15 miles per hour. (17 CCR § 95471(c)(1)(C), 95468)

49. 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)]

50. 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 §§ 95469(b)(3)]

51. Alternate compliance options: The owner or operator may request alternatives to the compliance measures, monitoring requirements, test methods and procedures of sections 95464, 95469, and 95471. Any alternatives requested by the owner or operator must be submitted in writing to the Control Officer of the Air Pollution Control District, San Diego County. Alternative compliance option requests may include, but are not limited to, the following:
a. Semi-continuous operation of the gas collection and control system due to insufficient landfill gas flow rates.
b. Additional time allowance for leak repairs for landfills having consistent issues related to the procurement and delivery of necessary parts to complete the repair, or adverse weather conditions that impede repair work.
c. Alternative wind speed requirements for landfills consistently having winds in excess of the limits specified in this subarticle.
d. Alternative walking patterns to address potential safety and other issues, such as: steep or slippery slopes, monitoring instrument obstructions, and physical obstructions.
e. Exclusion of construction areas and other dangerous areas from landfill surface inspection.
f. Exclusion of paved roads that do not have any cracks, pot holes, or other penetrations from landfill surface inspection.
[17 CCR § 95468(a)]

52. Recordkeeping - five year retention, 17 CCR SUBARTICLE 6: In addition to any other records required by this permit, the owner or operator 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:
(1) When solid waste was brought to the surface during the installation or preparation of wells, piping, or other equipment;

(2) During repairs or the temporary shutdown of gas collection system components;
(3) When solid waste was excavated and moved.
j. Records of any construction activities pursuant to section 95466. The records must contain the following information:
(1) 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.
(2) Construction start and finish dates, projected equipment installation dates, and projected shut down times for individual gas collection system components.
(3) 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:
(1) 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.
(2) 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.
(3) 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)]

53. Recordkeeping - retention for life of control device, 17 CCR SUBARTICLE 6: The owner or operator 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)]

54. Record Storage: The owner or operator 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)]

55. Annual Report: Except as given in 17 CCR section 95463, the owner or operator 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)]

56. 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., the owner or operator 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)]

57. Landfill Gas Heat Input Capacity Report: The owner or operator 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)]

58. Any report, or information submitted pursuant to 17 CCR subarticle 6 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)]
59. 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]
60. If a landfill gas temperature less than 55 degrees Celsius cannot be achieved within 15 calendar days of the first measurement of landfill gas temperature greater than 55 degrees Celsius, the owner or operator must conduct a root cause analysis and correct the exceedance as soon as practicable, but no later than 60 days after a landfill gas temperature greater than 55 degrees Celsius was first measured. The owner or operator must keep records according to § 62.16726(e)(3) [40 CFR 62.16720(a)(4)(i)]
61. If corrective actions cannot be fully implemented within 60 days following the measurement of landfill gas temperature greater than 55 degrees Celsius for which the root cause analysis was required, the owner or operator must also conduct a corrective action analysis and develop an implementation schedule to complete the corrective action(s) as soon as practicable, but no more than 120 days following the measurement of landfill gas temperature greater than 55 degrees Celsius. The owner or operator must submit the items listed in § 62.16724(h)(7) as part of the next annual report. The owner or operator must keep records according to § 62.16726(e)(4). [40 CFR 62.16720(a)(4)(ii)]
62. For corrective action that is required according to § 62.16720(a)(3)(iii) or 62.16720(a)(4)(iii) and is expected to take longer than 120 days after the initial exceedance to complete, the owner or operator must submit the root cause analysis, corrective action analysis, and corresponding implementation timeline to the District as soon as practicable but no later than 75 days after the first measurement of positive pressure or temperature monitoring value of 55 degrees Celsius (131 degrees Fahrenheit) or above. The District must approve the plan for corrective action and the corresponding timeline. [40 CFR 62.16724(k)]
63. For corrective action that is required according to § 62.16720(a)(3)(iii) or § 62.16720(a)(4)(iii) and is not completed within 60 days after the initial exceedance, the owner or operator must submit a notification to the District as soon as practicable but no later than 75 days after the first measurement of positive pressure or temperature exceedance. [40 CFR 62.16724 (k)]
64. Each owner or operator subject to the provisions of this subpart must also keep records of each wellhead temperature monitoring value of 55 degrees Celsius (131 degrees Fahrenheit) or above, each wellhead nitrogen level at or above 20 percent, and each wellhead oxygen level at or above 5 percent. [40 CFR 62.16726(e)(2)]
65. For any root cause analysis for which corrective actions are required in § 62.16720(a)(3)(iii) or § 62.16720(a)(4)(iii), keep a record of the root cause analysis conducted, the corrective action analysis, the date for corrective action(s) already completed following the positive pressure reading or high temperature reading, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates, and a copy of any comments or final approval on the corrective action analysis or schedule from the District. [40 CFR 62.16726(e)(5)]
66. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District.

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

22. 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]
67. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
68. 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	7/11/17	11/12/20
4	Review of Rules	F	01/01/70†	09/22/72
5	Authority to Arrest	F	03/24/76†	NA
6	Minor Violations	D	12/15/99	N/A
	REGULATION II - PERMITS			
10	Permits Required	F	07/25/95	03/11/98
10.1††	NSPS & NESHAPS Requirements	D	11/8/76	N/A
11	Exemptions from Rule 10 Permit Requirements	F D	07/08/20 10/13/22	10/28/22 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	09/18/90	N/A
17	Cancellation of Applications	F	04/06/93	03/11/98
18	Action on Applications	D	09/18/90	N/A
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 D	01/12/79 10/12/23	09/28/81 Pending
19.3	Emission Information	F D	05/15/96 12/09/21	03/09/00 Pending
20	Standards for Granting Permits	F	04/25/89	10/04/18
20.1	NSR - General Provisions	F	10/14/21	09/28/22
20.2*	NSR - Non-major Stationary Sources	F	06/26/19	09/16/20
20.3*	NSR - Major Stationary Source and PSD Stationary Source	F	10/14/21	09/28/22
20.4*	NSR - Portable Emission Units	F	10/14/21	09/28/22
20.5	Power Plants	F	07/05/79	04/14/81
20.6	Standards for Permit to Operate - Air Quality Analysis	F	04/27/16	10/04/18
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	D	01/01/69†	N/A
23	Further Information	D	01/01/69†	N/A
24	Temporary Permit to Operate	F	06/29/16	10/04/18
25	Appeals	F	01/01/69†	09/22/72
25	Appeals	D	06/21/00	N/A

26.0	Banking of Emission Reduction Credits (ERCs) - General Requirements	D	06/26/19	N/A
26.1	Standards for Granting Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.2	Use of Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.3	Reclassification of Class B Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.4	Permanency of Banked Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.5	Transfer of Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.6	District Banking of Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.7	Shutdown and Related Emission Unit	D	10/22/97	N/A
26.8	Banking of Limited Emission Reductions	D	10/22/97	N/A
26.9	Emission Reduction Credit Certificates and The Emission Reduction Credit Register	D	10/22/97	N/A
26.10	Banking For BRAC Military Base Closure or Realignment Actions	D	10/22/97	N/A
27	Banking of Mobile Source Emission Reduction Credits	D	11/29/94	N/A
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	01/12/23	N/A
42	Hearing Board Fees	D	04/14/22	N/A
44	Technical Reports, Charges for	D	12/7/83	N/A
45	Federally Mandated Ozone Nonattainment Fees	D	6/9/2022	Pending
	REGULATIONS IV - PROHIBITIONS			
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	Particulate 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
55	Fugitive Dust Control	D	06/24/09	N/A
58	Incinerator Burning	F	01/17/73†	05/11/77
59	Control of Waste Disposal - Site Emissions	D	11/03/87	N/A
59.1	Municipal Solid Waste Landfills	D	06/17/98	N/A
60	Circumvention	F	05/17/94	03/09/00
60.1	Limiting Potential to Emit – Small Sources	D	04/04/12	N/A
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	02/10/21	12/16/22
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	09/03/21
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	F	03/26/08	01/7/13
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
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
66.1	Miscellaneous Surface Coating Operations and Other Processes Emitting VOCs	F D	2/24/10 5/11/16	08/09/12 ?
67.0.1	Architectural Coatings	F	02/10/21	12/14/22
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	04/09/03	11/14/03
67.4	Metal Container, Metal Closure and Metal Coil Coating Operations	F	11/09/11	09/20/12
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	02/10/21	10/22/21
67.6.2	Vapor Degreasing Operations	F	02/10/21	10/22/21
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	F	06/27/12	04/11/13
67.12.1	Polyester Resin Operations	F	05/11/16	04/02/18
67.15	Pharmaceutical and Cosmetic Manufacturing Operations	F	05/15/96	03/27/97
67.16	Graphic Arts Operations	F	05/09/12	09/20/12
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	05/26/00
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
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/F	07/08/20	Pending
69.2.2	Medium Boilers, Process Heaters and Steam Generators	F	09/09/21	8/23/23
69.3**	Stationary Gas Turbine Engines	F	Repealed	06/17/97 (Withdrawal Pending)
69.3.1**	Stationary Gas Turbine Engines – BARCT	D	12/9/21	Pending
69.4**	Stationary Internal Combustion Engines	F	Repealed	01/04/06 (Withdrawal Pending)
69.4.1**	Stationary Internal Combustion Engines - BARCT	D	07/08/20	Pending
69.5.1	Natural Gas-Fired Water Heaters	D	06/24/15	N/A
69.6	Natural Gas-Fired Fan-Type Central Furnaces	D	06/17/98	N/A
69.7	Landfill Gas Flares	D/F	03/09/23	Pending
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	09/17/85	N/A
75.1††	NSPS & NESHAPS Variance Procedures	D	09/17/85	N/A
97	Emergency Variance	D	07/25/95	N/A
98	Breakdown Conditions: Emergency Variance	D	07/25/95	N/A
	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 D	05/01/81 12/17/97	06/21/82 N/A
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 D	03/30/77 06/20/01	08/31/78 N/A
	REGULATION XII - TOXIC AIR CONTAMINANTS			
1200	Toxic Air Contaminants - New Source Review	D	09/19/23	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
1206	Asbestos Removal, Renovation, and Demolition	D	11/15/17	N/A
1210	Toxic Air Contaminant Public Health Risks - Public Notification and Risk Reduction	D	09/19/23	N/A

	REGULATION XIV - **TITLE V OPERATING PERMITS**			
1401	General Provisions	F	10/14/21	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 D	02/27/04 10/12/23	02/27/04 Pending
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 - **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. In addition, if an NSPS or NESHAP is revised by EPA and the revised rule not adopted by the District, both versions of the rule are considered federally applicable requirements and the most stringent requirement applies until such time as the District adopts the revised version.

Subpart & Citation	RULE TITLE	District Adoption Date(s)	Federal Delegation Date
Part 60	**REGULATION X - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES**	04/06/2021	As shown below
A	General Provisions	04/06/2021	04/08/2021
D	Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	01/29/2020	04/08/2021
Da	Standards of Performance for Industrial-Commercial -Institutional Steam Generating Units	01/29/2020	04/08/2021
Db	Standards of Performance for Small Industrial-Commercial - Institutional Steam Generating Units	01/29/2020	04/08/2021
Dc	Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	01/29/2020	04/08/2021
E	Standards of Performance for Incinerators	01/29/2020	04/08/2021
Eb	Standards of Performance for Large Municipal Waste Combustors for Which Construction is Commenced After September 20, 1994 or for Which Modification Or Reconstruction Commenced After June 19, 1996	06/20/2007	01/03/2008
Ec	Standards of Performance for Hospital/Medical/Infectious Waste Incinerators	01/29/2020	04/08/2021
I	Standards of Performance for Hot Mix Asphalt Facilities	01/29/2020	04/08/2021
J	Standards of Performance for Petroleum Refineries	01/29/2020	04/08/2021
K	Standards of Performance for Storage Vessels for Petroleum Liquids Construct After June 11, 1973 and Prior to May 19, 1978	06/20/2007	01/03/2008
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Construction after May 18, 1978	06/20/2007	01/03/2008
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	06/20/2007	01/03/2008
L	Standards of Performance for Secondary Lead Smelters	01/29/2020	04/08/2021
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	01/29/2020	04/08/2021
O	Standards of Performance for Sewage Treatment Plants	01/29/2020	04/08/2021
DD	Standards of Performance for Grain Elevators	01/29/2020	04/08/2021
EE	Standards of Performance for Surface Coating Metal Furniture	01/29/2020	04/08/2021
GG	Standards of Performance for Stationary Gas Turbines	01/29/2020	04/08/2021
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	01/29/2020	04/08/2021
RR	Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations	01/29/2020	04/08/2021
SS	Standards of Performance for the Industrial Surface Coating Large Appliances	01/29/2020	04/08/2021
TT	Standards of Performance for Metal Coil Surface Coating	01/29/2020	04/08/2021
AAA	Standards of Performance for New Residential Wood Heaters	04/06/2021	04/08/2021
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	01/29/2020	04/08/2021

FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	01/29/2020	04/08/2021
JJJ	Standards of Performance for Petroleum Dry Cleaners	01/29/2020	04/08/2021
OOO	Standards of Performance for Nonmetallic Mineral Processing Plants	01/29/2020	04/08/2021
UUU	Standards of Performance for Calciners and Dryers in Mineral Industries	01/29/2020	04/08/2021
VVV	Standards for Polymeric Coating of Supporting Substrates Facilities	05/23/2007	01/03/2008
WWW	Standards of Performance for Municipal Solid Waste Landfills	04/06/2021	04/08/2021
AAAA	Standards of Performance for Small Municipal Waste Combustion Units	06/20/2007	01/03/2008
CCCC	Standards of Performance for Commercial and Industrial Solid Waste Incineration Units	04/06/2021	04/08/2021
EEEE	Standards of Performance for Other Solid Waste Incineration Units	01/29/2020	04/08/2021
IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	04/06/2021	04/08/2021
JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	04/06/2021	04/08/2021
KKKK	Standards of Performance for Stationary Combustion Turbines	04/06/2021	04/08/2021
QQQQ	Standards of Performance for New Residential Hydronic Heaters and Forced-Air Furnaces	04/06/2021	04/08/2021
TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	04/06/2021	04/08/2021
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 06/16/78	11/21/77

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
	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
17 CCR § 93109	ATCM For Emissions of Perchloroethylene From Dry Cleaning Operations
17 CCR § 93101.5	ATCM to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying
17 CCR § 93105	ATCM for Construction, Grading, Quarrying, and Surface Mining Operations
17 CCR § 93106	Asbestos ATCM for Surface Applications
17 CCR § 93107	ATCM For Emissions of Toxic Metals From Non-Ferrous Metal Melting
17 CCR § 93111	ATCM for Emissions of Chlorinated Toxic Air Contaminants from Automotive Maintenance & Repair Activities
17 CCR § 93112	ATCM for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Motor Equipment Coatings
17 CCR § 93113	ATCM to Reduce Emissions of Toxic Air Contaminants from Outdoor Residential Waste Burning
17 CCR § 93115	ATCM for Stationary Compression Ignition Engines
17 CCR § 93116	ATCM for Portable Diesel-Fueled Engines
Part 63	**District Rules and Regulations Appendix B - National Emission Standards for Hazardous Air Pollutants (NESHAP) For Source Categories**
A	General Provisions
N	Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks
O	Ethylene Oxide Sterilization Facilities
R	Gasoline Distribution
T	Halogenated Solvent Cleaning
DD	Off-site Waste & Recovery Operations
GG	Aerospace Manufacturing and Rework Facilities
II	Shipbuilding and Ship Repair (Surface Coating)
JJ	Wood Furniture Manufacturing Operations
VVV	Publicly Owned Treatment Works
AAAA	Municipal Solid Waste Landfills
EEEE	Organic Liquids Distribution (non-gasoline)
MMMM	Surface Coating of Miscellaneous Metal Parts and Products
PPPP	Plastic Parts (surface coating)
SSSS	Surface Coating of Metal Coil
VVVV	Boat Manufacturing
WWWW	Reinforced Plastic Composites Production
YYYY	Stationary Combustion Turbines
ZZZZ	Stationary Reciprocating Internal Combustion Engines
DDDDD	Industrial, Commercial, and Institutional Boilers and Process Heaters

GGGGG	Site Remediation
HHHHH	Miscellaneous Coating Manufacturing
PPPPP	Engine Test Cells/Stands
WWWWW	Hospital Ethylene Oxide Sterilizers Area Sources
BBBBBB	Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities
CCCCCC	Gasoline Dispensing Facilities
HHHHHH	Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources
JJJJJJ	Area Sources: Industrial, Commercial, and Institutional Boilers
QQQQQQ	Wood Preserving Area Sources
VVVVVV	Chemical Manufacturing Area Sources
WWWWWW	Plating and Polishing Operations Area Sources
XXXXXX	Metal Fabrication and Finishing Area Sources
AAAAAAA	Asphalt Processing and Asphalt Roofing Manufacturing Area Sources
CCCCCCC	Paint and Allied Products Manufacture Area Sources

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. For some rules, there are separate versions denoted as "F" and "D" which indicates when there is a SIP version of the rule, denoted by "F", which is federally enforceable, and an amended version of the rule which has been approved by the District but has not been approved into the SIP. At the time a pending rule is approved into the SIP, it will become fully federally enforceable and replace the previous version of the rule.
   '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. For rules 20.2-20.4 as marked with a "*", certain provisions were not submitted to EPA as denoted in the SIP submittals, and these provisions are therefore not federally enforceable
5. Rules 69.3 and 69.4 were repealed by the District because the applicable provisions were incorporated into Rules 69.3.1 and 69.4.1 which were submitted to EPA for SIP approval. However, these rules have not been approved due to concerns with startup/shutdown exemptions from emission limits.

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