

DRAFT

San Diego County Air Pollution Control District

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

TITLE V OPERATING PERMIT # APCD2008-PTO-984123

Issued To:

San Diego Gas and Electric Company
Site ID: APCD1995-SITE-09138

Site Address

6875 Consolidated Way
San Diego, CA 92121
(818) 581-6550

Mailing Address

8315 Century Park CT CP 21L
San Diego CA 92123

Responsible Official – Carl LaPeter, Plant Manager – Electric Generation

Facility Contact – Carl LaPeter

Permit Information Contact – Hashim Navrozali

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

This Title V Operating Permit expires on _____.

Signed by:

Robert Kard, Air Pollution Control Officer

Date:

TABLE OF CONTENTS

	PAGE
PREAMBLE	1
SECTION I. REGULATION XIV PERMIT REQUIREMENTS	2
A. ADMINISTRATIVE PERMIT TERMS	2
B. RENEWAL REQUIREMENTS AND TERMS	2
C. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS	3
D. GENERAL PERMIT REQUIREMENTS	4
SECTION II. FACILITY-WIDE REQUIREMENTS	5
A. GENERAL PERMIT PROGRAM APPLICABLE REQUIREMENTS	5
B. GENERAL PROHIBITORY APPLICABLE REQUIREMENTS	5
C. ADDITIONAL TERMS	6
D. PERMIT SHIELD	6
E. TITLE IV PERMIT (ACID RAIN)	6
SECTION III. EMISSION UNIT REQUIREMENTS	7
A. DISTRICT PERMITTED EMISSION UNITS	7
B. REGISTERED AND LEASED EMISSION UNITS	7
C. INSIGNIFICANT EMISSION UNITS AND ACTIVITIES	7
SECTION IV. VARIANCE PROCEDURES	8
SECTION V. APPENDICES	A-1
A. DISTRICT PERMITS AND REGISTERED UNITS	A-1
B. RULE REFERENCE TABLE	B-1
C. ABBREVIATIONS	C-1

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 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 to carry out the Title V Operating Permit program. Section II contains the requirements that are applicable 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 (Library & Public Review Area)	County of SD Law Library (Downtown)	County of SD Law Library (North County)
10124 Old Grove Rd.	1105 Front St.	325 S. Melrose Suite 300
San Diego, CA 92131	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 Compliance Division 10124 Old Grove Rd. San Diego, CA 92131	USEPA Region IX Director of the Air Division Attn: Air-5 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 in accordance with District Rule 1410. [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 July 22, 2013 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. [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 Appendixes 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. 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. In these cases, both rules shall be enforceable requirements as indicated in

the Rule Reference Table unless a specific permit shield for one or both rules has been granted. [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. 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. VI	101	Burning Control
SDCAPCD Reg. X	Subpart A	NSPS - General Provisions
SDCAPCD Reg. XI	Subpart A	NESHAP - General Provisions
40 CFR Part 63	Subpart A	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. 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. The permittee shall comply with all applicable requirements, including but not limited to, those applicable requirements of 40 CFR Parts 60 and 63.

D. PERMIT SHIELD

The permittee is shielded from enforcement action for the following requirements as part of this permit in accordance with the provisions of District Rule 1410(p). For those shielded requirements that are subsumed by more stringent requirements, the permittee must comply with the more stringent requirement as given in this permit. For any shielded requirement that is based on a regulatory exemption, the requirement shall only be shielded to the extent of the exemption.

Requirement & Reference	Basis of Shield
SDCAPCD Rule 68	Subsumed by standard of Rule 69.3
SDCAPCD Rule 69.3	Subsumed by NOx limits established under NSR and Rule 69.3.1

Nothing in this permit shield, or any other provisions under this permit pursuant to District Rule 1410(p), shall alter or affect the following:

1. The provisions of Section 303 of the federal Clean Air Act including the authority of the Administrator under that section,
2. The liability of a source for any violation of applicable requirements prior to or at the time of permit issuance,
3. The applicable requirements of the acid rain program consistent with Section 408 (a) of the federal Clean Air Act, and
4. The ability of EPA to obtain information from a source pursuant to Section 114 of the federal Clean Air Act.

E. TITLE IV (ACID RAIN) REQUIREMENTS

1. The permittee shall not exceed any emission allowances that are lawfully held under Title IV of the federal Clean Air Act or the regulations promulgated thereunder. [Rule 1421]

2. The permittee shall install, operate, and maintain equipment for monitoring CO₂ and NO_x on each applicable exhaust stack in accordance with 40 CFR Parts 72 and 75. [40 CFR Parts 72 and 75]
3. The permittee shall prepare and maintain onsite a written Quality Assurance program in accordance with 40 CFR Part 75, Appendix B for the continuous monitoring of NO_x emissions from each applicable exhaust stack. The components of the Quality Assurance program include, but are not limited to, procedures for daily calibration testing, quarterly linearity testing, recordkeeping and reporting implementation, and relative accuracy testing. [40 CFR Parts 72 and 75]
4. The permittee shall monitor SO₂ emissions in accordance with 40 CFR Part 72 and 75. [40 CFR Parts 72 and 75]
5. The permittee shall submit quarterly electronic data reports to EPA for the emissions from each applicable exhaust stack in a accordance with 40 CFR Part 75. These reports must be submitted within 30 days following the end of each calendar quarter and shall include all information required in § 75.64. [40 CFR Part 75]

SECTION III. EMISSION UNIT REQUIREMENTS

A. DISTRICT PERMITTED EMISSION UNITS

Permit Number	Source Category
APCD2009-PTO-981360	Turbine (1) – Electric Generation
APCD2010-PTO-000397	Turbine (2) – Electric Generation
APCD2009-PTO-000395	Natural Gas Black Start Generator

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 the applicable requirements, including those specified in the Rules and Regulations cited below, for all emission units that qualify as insignificant emission units and that are not required to obtain a District Permit pursuant to Rule 11, unless specifically exempted by the applicable Rule(s) or Regulation(s).

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	66	Organic Solvents

SECTION IV. VARIANCE PROCEDURES

The permittee may seek relief from District enforcement action in the event of a breakdown in accordance with District Rule 98 and California Health and Safety Code §§ 42350-42364. 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; California Health and Safety Code §§ 42350-42364]

SECTION V. APPENDICES

APPENDIX A: DISTRICT PERMITS

Permit Number	Source Category
APCD2009-PTO-981360	Turbine (1) – Electric Generation
APCD2010-PTO-000397	Turbine (2) – Electric Generation
APCD2009-PTO-000395	Natural Gas Black Start Generator

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

PERMIT NO
APCD2009-PTO-981360

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.

SDG&E
Environmental Operations
8315 Century Park Ct CP21L
San Diego CA 92123

EQUIPMENT ADDRESS
SDG&E Miramar
6875 Consolidated Way
San Diego CA 92121

EQUIPMENT DESCRIPTION

GAS TURBINE #1: BRAND: GENERAL ELECTRIC, MODEL: LM6000PC, SPRINT SYSTEM OF WATER COMPRESSOR COOLING, MAXIMUM SITE SPECIFIC OUTPUT: 49.9 MW. MAXIMUM FUEL FLOW (HHV): 462.5 MMBTU/HR. EQUIPPED WITH WATER FOR NOX CONTROL INJECTION, HIGH TEMPERATURE CATALYTIC REDUCTION SYSTEM, OXIDATION CATALYST, AMMONIA INJECTION SYSTEM, AND AIR TEMPERING SYSTEM. ALSO EQUIPPED WITH CiSCO CeDAR DATA ACQUISITION AND HANDLING SYSTEM (DAHS), REMOTE DATA COLLECTION NODE (RDCN), CONNECTING WITH PROGRAMMABLE LOGIC CONTROLLERS. NATURAL GAS VORTEX FLOW-METER, BRAND: YOKOGAWA. WATER TO NOX FLOWMETER, BRAND: FLOW TECHNOLOGY. AMMONIA MASS FLOWMETER, BRAND: MICROMOTION. CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) FOR MEASUREMENT OF NOX, CO, AND OXYGEN PRESENT AS PER PROTOCOL APPROVED BY THE SAN DIEGO APCD. JFTNEWMAY0107, 987625/DCT/02/09

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.

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The combined emissions of NO_x from all permitted equipment at this stationary source shall not exceed 50 tons per year. Any application to increase facility wide NO_x emissions above 50 tons per year shall include emission offsets of all emissions of permitted equipment at this stationary source. [NSR]

2. Total aggregate emissions from all stationary emission units at this stationary source, except emissions or emission units excluded from the calculation of aggregate potential to emit as specified in Rule 20.1(d)(1), shall not exceed the following limit in each rolling 12-calendar month period. The total aggregate emissions shall include emissions during all times that the equipment is operating, including but not limited to, emissions during periods of startup, shutdown and tuning.

I. Oxides of nitrogen (NO _x)	50 tons/year
II. Carbon monoxide (CO)	100 tons/year
III. Volatile organic compounds (VOC)	50 tons/year
IV. Oxides of sulfur (SO _x)	100 tons/year

[NSR]

3. The emissions of oxides of nitrogen (NO_x), calculated as nitrogen oxide, from the unit exhaust stack shall not exceed 2.5 ppmvd corrected to 15% oxygen and averaged over each rolling 3-clock hour period, and shall not exceed 5 ppmvd corrected to 15% oxygen and averaged over each clock hour period. Compliance with these limits shall be demonstrated at the time of the initial source test and continuously based on the CEMs data and based upon source testing calculated as the average of three subtests. This limit shall not apply during the first 30 minutes of any startup, last 15 minutes of any shutdown, or during approved periods of testing, tuning and maintenance as defined in this permit. [Rule 20.2(d)(1)]
4. Emissions of nitrogen oxides from the unit exhaust stack shall not exceed 14.7 ppmvd at 15 percent O₂, calculated as a 1 clock hour average pursuant to 69.3.1(g)(7). This limit shall not apply during the first 120 minutes of any startup or last 120 minutes of any shutdown. [Rule 69.3.1]
5. Emissions of nitrogen oxides from the unit exhaust stack shall not exceed 115 ppmvd at 15 percent O₂, calculated as a 4 hour (unit operating hour) average pursuant to 40 CFR § 60.334(j)(1)(iii)). This limit applies at all times. [40 CFR Subpart GG § 60.332(a)(1)]
6. The emissions of carbon monoxide (CO), from the unit exhaust stack shall not exceed 6 parts per million volume on a dry basis (ppmvd) corrected to 15% oxygen and averaged over each rolling 3-clock hour period. Compliance with this limit shall be demonstrated at the time of the initial source test and continuously based on the CEMs data and based upon source testing calculated as the average of three subtests. This limit shall not apply during the first 30 minutes of any startup, last 15 minutes of any shutdown, or during approved periods of testing, tuning and maintenance as defined in this permit. [NSR]
7. Emissions of volatile organic compounds (VOCs), calculated as methane, from the unit exhaust stack shall not exceed 2 parts per million volume on a dry basis (ppmvd) corrected to 15% oxygen. Compliance with this limit shall be demonstrated by source testing, calculated as the average of three subtests. This limit shall not apply during the first 30 minutes of any

startup, last 15 minutes of any shutdown, or during approved periods of testing, tuning and maintenance as defined in this permit. [Rule 20.2(d)(1)]

8. The unit shall be fired on Public Utility Commission (PUC) quality natural gas only. The permittee shall maintain quarterly records of sulfur content (grains/100 dscf) and higher and lower heating values (Btu/dscf) of the natural gas and provide such records to the District personnel upon request. [Rule 62]
9. In the event of a breakdown in an automatic ammonia injection control system, the unit shall be shut down or a trained operator shall operate the ammonia injection control system manually and the breakdown shall be reported to the District Compliance Division pursuant to Rule 98(b)(1) and 98(e). [Rule 98]
10. The combined unit operating hours for all turbines at this stationary source shall not exceed a total of 5,000 hours per calendar year. Stationary source is defined in Rule 2. Unit operating hour is defined in 40 CFR 72.2. [NSR]
11. Power output (net MW) to the grid shall not exceed 49.9 MW. [NSR]
12. Except during startups, shutdowns and approved testing, tuning and maintenance operation, the air pollution control system including the water injection system, and the ammonia injection system serving the SCR, shall be operated in automatic mode in operation in accordance with manufacturer's specifications at all times when the unit is in operation. All manufacturer's specifications shall be maintained on site or at a District-approved alternate location and made available to District personnel within 48 hours after request. [NSR, Rule 1200]
13. In the event of a breakdown in an automatic water injection or ammonia injection control system, or during any testing, tuning or maintenance operation that involve tuning of either of these systems, a trained operator shall operate the system manually and if due to a breakdown, the breakdown shall be reported to the District Compliance Division pursuant to Rule 98. [Rule 20.2(d)(1), Rule 98]
14. The permittee shall comply with the applicable requirements in 40 CFR Parts 60, 72, 73, and 75. [Rule 1421]
15. The permittee shall comply with all the applicable provisions of 40 CFR 73, including requirements to offset, hold and retire SO₂ allowances. [40 CFR Part 73]
16. A continuous emission monitoring system (CEMs) shall be maintained and calibrated to measure and record the concentrations of oxides of nitrogen (NO_x) and carbon monoxide (CO) in the exhaust gas on a dry basis (ppmvd) corrected to 15% oxygen. The CEMs shall also measure the oxygen content in the exhaust gas. The CEMs shall be in full operation at all times when the unit is in operation. [NSR, Rule 69.3.1]
17. When the CEMs is not recording data and the unit is operating, hourly NO_x emissions for the annual emission calculations shall be determined in accordance with 40 CFR 75 Appendix c.

Additionally, hourly CO emissions for the annual emission calculations shall be determined using the hourly emission rate recorded by the CEMs during the most recent hours in which the unit operated 3 continuous hours at no less than 80% of full power rating. Alternate CO emission factors shall be determined from compliance source test emissions data. The alternate hourly co emission rate shall be reviewed and approved by the District, in writing. [40 CFR Part 75]

18. The CEMs shall be maintained and operated, and reports submitted, in accordance with the requirements of Rule 19.2 sections (d), (e), (f)(2),(f)(3), (f)(4) and (f)(5) and CEMs protocol approved by the District. [Rule 19.2]
19. The oxides of nitrogen (NO_x) and oxygen (O₂) CEMs shall be certified and maintained in accordance with applicable federal regulations including the requirements of Sections 75.10 and 75.12 of Title 40, Code of Federal Regulations Part 75 (40 CFR75), the performance specifications of Appendix A of 40 CFR 75, the quality assurance procedures of Appendix B of 40 CFR 75 and the CEMs protocol approved by the District. The carbon monoxide (CO) CEMs shall be certified and maintained in accordance with 40 CFR 60. [40 CFR Part 75, 40 CFR Part 60]
20. Except for changes that are specified in the initial approved NO_x monitoring protocol or a subsequent revision to that protocol that is approved in advance, in writing, by the District, the District shall be notified in writing at least thirty (30) days prior to any planned changes made in the CEMs/DAHS (including the programmable logic controller) software which affects the value of data displayed on the CEMs/DAHS monitors with respect to the parameters measured by their respective sensing devices or any planned changes to the software that controls the ammonia flow to the SCR. Unplanned or emergency changes shall be reported to the District within 96 hours. [NSR]
21. The unit shall be equipped with continuous monitors to measure, calculate and record the following operational characteristics:
 - a. Hours of operation (hours);
 - b. Natural gas flow rate (kscfh);
 - c. Exhaust gas temperature (degrees Fahrenheit);
 - d. SCR average temperature (degrees Fahrenheit);
 - e. Ammonia injection rate (lbs/hour);
 - f. Net power output to grid (MW);
 - g. Water (for NO_x control) injection rate (lb/hr) if equipped with water injection.

These parameters shall be continuously monitored. These monitors shall be calibrated and maintained in accordance with manufacturer's recommended procedures and a protocol approved by the District. [Rule 69.3.1]

22. Fuel, water injection (for NO_x control), and ammonia flow meters shall be installed and maintained to measure the flow rate corrected for temperature and pressure. Calibration reports, correction factors and constants for the previous five years shall be maintained on site or at a District approved alternate location and made available to the District within 48 hours after request. Fuel flow meters shall meet the applicable quality assurance requirements of 40 CFR Part 75, Appendix D, Section 2.1.6. [NSR, Rule 69.3.1, Rule 1200]
23. For the purposes of this permit, startup and shutdown shall be as defined in District rule 69.3.1. [Rule 69.3.1, Rule 20.2(d)(1)]
24. For the purposes of this permit, approved periods of testing, tuning and maintenance shall include the following:
 - a. Operation for conducting reliability, baseline or other related testing mandated by standards issued by the Federal Energy Regulatory Commission (FERC), or its 3rd party delegates including the North American Reliability Corporation (NERC), Western Electric Coordinating Council (WECC), or other related organizations.
 - b. Operation for tuning, testing or maintaining components of the gas turbine, emission control system(s) or electrical components in order to restore or measure system efficiency or performance.
 - c. Operation for tuning, testing or maintaining components of the gas turbine or emission control system(s) for purposes recommended by the manufacturer of the gas turbine or component(s) or servicing company for ensuring proper and efficient operation of the system.
[Rule 20.2(d)(1)]
25. Approved periods of testing, tuning and maintenance shall not exceed either 4 hours per calendar day or 48 hours per calendar year for any of these purposes. Any period of operation where the emission controls are in full operation as required by this permit and as shown by DAS/CEMS records shall not be included in determination of these limits. [Rule 20.2(d)(1)]
26. In order to claim that a period of operation meets the requirements for an approved period of testing, tuning and maintenance, the owner or operator must maintain the following records for each period:
 - a. Date(s) and time(s) of operation
 - b. Purpose of operation
 - c. Any applicable test procedure, regulation, or other records to demonstrate the need or purpose for the operation
 - d. Technical justification that steady-state emission standards cannot be met during this operation. Acceptable technical justifications include: need to operate turbine for

extended period of time at low load, need to operate turbine in transient modes that exceed the ability of the emission controls to maintain steady state emission levels, tuning of the system or emission controls that involves operation outside the normal acceptable operating ranges for the emission control system, and any other operating scenarios that have been approved by the District.

[Rule 20.2(d)(1)]

27. The permittee shall submit to the District reports of excess emissions and monitor downtime, in accordance with § 60.7(c). Excess emissions must be reported for all periods of unit operation, including start-up, shutdown, and malfunction. Reports submitted pursuant to this requirement shall be postmarked no later than the 30th day following the end of the 6-month reporting period. 6-month reporting periods comprise January 1 through June 30, and July 1 through December 31. [40 CFR Subpart KKKK § 60.4375(a) or 40 CFR GG § 60.334(j)]
28. Excess emissions and monitor downtime shall be as defined in 40 CFR GG § 60.334(j)(1)(iii). An excess emission is any unit operating period, including periods of startup, shutdown and approved periods of testing, tuning and maintenance, in which the 4-hour rolling average NO_x emission rate exceeds the applicable emission limit in 40 CFR 60 Subpart GG § 60.332(a) contained in this permit.
29. An operating log or data acquisition and handling system (DAHS) records shall be maintained either onsite, or at a District-approved alternate location to record each of the operational characteristics listed in this permit at least every 15 minutes. [NSR, Rule 69.3.1]
30. An operating log or data acquisition and handling system (DAHS) records shall be maintained either on site or at a District-approved alternate location to record actual times and durations of all startups and shut-downs, quantity of fuel used (scf) and energy generated (MW-hr), (monthly and annually by calendar year), hours of daily operation and total cumulative hours of operation (monthly and annually by calendar year). [NSR, Rule 69.3.1]
31. Except as specified herein, all records required by this permit shall be maintained on site for a minimum of five years and made available to District personnel upon request. If this site becomes unmanned, the permittee shall submit an alternate site for the maintenance of records to District for approval. [Rule 1421]
32. A Relative Accuracy Test Audit (RATA) and all other required certification tests shall be performed and completed on the CEMS in accordance with 40 CFR Part 75 Appendix A and B (Performance Specifications). At least 21 days prior to the test date, the permittee shall submit test protocol to the District for approval. Additionally, the District shall be notified a minimum of 21 days prior to the test so that observers may be present. [40 CFR Part 75]
33. Within 30 days after completion of the renewal source test or rata, a final test report shall be submitted to the District for review and approval. [NSR, Rule 1200]
34. This unit shall be source tested to demonstrate compliance with the NO_x, CO, VOC, and Ammonia emission standards of this permit, using District approved methods. The source

test and the NO_x and CO RATA tests shall be conducted in accordance with the RATA frequency requirements of 40 CFR 75 Appendix B, Sections 2.3.1 and 2.3.3. [NSR, Rule 1200]

35. The Source Test Protocol shall comply with the following requirements:

- A) Measurements of Oxides of Nitrogen (NO_x), Carbon Monoxide (CO), and stack gas Oxygen content (O₂%) shall be conducted in accordance with U.S. Environmental Protection Agency (EPA) Method 7E and District Source Test Method 100, or the Air Resources Board (ARB) Test Method 100, as approved by the EPA.
- B) Measurement of Volatile Organic Compounds (VOCs) emissions shall be conducted in accordance with the San Diego Air Pollution Control District Methods 25A and/or 18.
- C) Measurements of Ammonia emissions shall be conducted in accordance with Bay Area Air Quality Management District (BAAQMD) Test Method ST-1B.
- D) Source Testing shall be performed at the normal load level, as specified in 40 CFR Part 75 Appendix A, Section 6.5.2.1 (d), and at no less than 80% of the unit's rated load unless it is demonstrated to the satisfaction of the District that the unit cannot operate under these conditions. If this demonstration is accepted, then emissions source testing shall be performed at the highest achievable continuous power level.

[NSR, Rule 1200]

36. 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]

B. DISTRICT-ONLY-ENFORCEABLE CONDITIONS

37. Ammonia emissions from the unit exhaust stack shall not exceed 10 parts per million volume on a dry basis (ppmvd) corrected to 15% oxygen. Compliance with this limit shall be demonstrated through source testing calculated as the average of three subtests. This limit shall not apply during the first 30 minutes of any startup, last 15 minutes of any shutdown, or during approved periods of testing, tuning and maintenance as defined in this permit.

[Rule 1200]

38. 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.]

39. Any violation of any emission standard as indicated by the CEMs shall be reported to the District's Compliance Division within 96 hours after such occurrence.

[CA Health and Safety Code]

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

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

PERMIT NO
APCD2010-PTO-000397

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.

SDG&E
Environmental Operations
8315 Century Park Ct CP21L
San Diego CA 92123

EQUIPMENT ADDRESS
SDG&E Miramar
6875 Consolidated Wy
San Diego CA 92121

EQUIPMENT DESCRIPTION

Simple cycle natural gas fueled combustion turbine (Unit #2-East)
Mfr: General Electric, Model: LM6000PC, S/N: 7218022, Rated Heat Input: 462.5 MMBtu/hour, 49.9 megawatt maximum rated power output, with water injection, SCR with ammonia injection and oxidation catalyst, system equipped with Cisco Cedar data acquisition and handling system (DAHS), remote data collection node (RDCN) and continuous emission monitoring systems.

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.

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The combined emissions of NO_x from all permitted equipment at this stationary source shall not exceed 50 tons per year. Any application to increase facility wide NO_x emissions above 50 tons per year shall include emission offsets of all emissions of permitted equipment at this stationary source. [NSR]
2. Total aggregate emissions from all stationary emission units at this stationary source, except emissions or emission units excluded from the calculation of aggregate potential to emit as specified in Rule 20.1(d)(1), shall not exceed the following limit in each rolling 12-calendar month period. The total aggregate emissions shall include emissions during all times that the equipment is operating, including but not limited to, emissions during periods of startup, shutdown and tuning.

I. Oxides of nitrogen (NO _x)	50 tons/year
II. Carbon monoxide (CO)	100 tons/year
III. Volatile organic compounds (VOC)	50 tons/year
IV. Oxides of sulfur (SO _x)	100 tons/year

[NSR]

3. The emissions of oxides of nitrogen (NO_x), calculated as nitrogen oxide, from the unit exhaust stack shall not exceed 2.5 ppmvd corrected to 15% oxygen and averaged over each rolling 3-clock hour period, and shall not exceed 5 ppmvd corrected to 15% oxygen and averaged over each clock hour period. Compliance with these limits shall be demonstrated at the time of the initial source test and continuously based on the CEMs data and based upon source testing calculated as the average of three subtests. This limit shall not apply during the first 30 minutes of any startup, last 15 minutes of any shutdown, or during approved periods of testing, tuning and maintenance as defined in this permit. [Rule 20.2(d)(1)]
4. Emissions of nitrogen oxides from the unit exhaust stack shall not exceed 14.7 ppmvd at 15 percent O₂, calculated as a 1 clock hour average pursuant to 69.3.1(g)(7). This limit shall not apply during the first 120 minutes of any startup or last 120 minutes of any shutdown. [Rule 69.3.1]
5. Emissions of nitrogen oxides from the unit exhaust stack shall not exceed 25 ppm at 15 percent O₂ or 150 ng/J of useful output (1.2 lb/MWh), calculated as a 4 hour (unit operating hour) average pursuant to 40 CFR § 60.4380(b). This limit applies at all times. [40 CFR 60 Subpart KKKK, Appendix Table 1]
6. The emissions of carbon monoxide (CO), from the unit exhaust stack shall not exceed 6 parts per million volume on a dry basis (ppmvd) corrected to 15% oxygen and averaged over each rolling 3-clock hour period. Compliance with this limit shall be demonstrated at the time of the initial source test and continuously based on the CEMs data and based upon source testing calculated as the average of three subtests. This limit shall not apply during the first 30 minutes of any startup, last 15 minutes of any shutdown, or during approved periods of testing, tuning and maintenance as defined in this permit. [NSR]
7. Emissions of volatile organic compounds (VOCs), calculated as methane, from the unit exhaust stack shall not exceed 2 parts per million volume on a dry basis (ppmvd) corrected to 15% oxygen. Compliance with this limit shall be demonstrated by source testing, calculated as the average of three subtests. This limit shall not apply during the first 30 minutes of any startup, last 15 minutes of any shutdown, or during approved periods of testing, tuning and maintenance as defined in this permit. [Rule 20.2(d)(1)]
8. The unit shall be fired on Public Utility Commission (PUC) quality natural gas only. The permittee shall maintain quarterly records of sulfur content (grains/100 dscf) and higher and

lower heating values (Btu/dscf) of the natural gas and provide such records to the District personnel upon request. [Rule 62]

9. In the event of a breakdown in an automatic ammonia injection control system, the unit shall be shut down or a trained operator shall operate the ammonia injection control system manually and the breakdown shall be reported to the District Compliance Division pursuant to Rule 98(b)(1) and 98(e). [Rule 98]
10. The combined unit operating hours for all turbines at this stationary source shall not exceed a total of 5,000 hours per calendar year. Stationary source is defined in Rule 2. Unit operating hour is defined in 40 CFR 72.2. [NSR]
11. Power output (net MW) to the grid shall not exceed 49.9 MW. [NSR]
12. Except during startups, shutdowns and approved testing, tuning and maintenance operation, the air pollution control system including the water injection system, and the ammonia injection system serving the SCR, shall be operated in automatic mode in operation in accordance with manufacturer's specifications at all times when the unit is in operation. All manufacturer's specifications shall be maintained on site or at a District-approved alternate location and made available to District personnel within 48 hours after request. [NSR, Rule 1200]
13. In the event of a breakdown in an automatic water injection or ammonia injection control system, or during any testing, tuning or maintenance operation that involve tuning of either of these systems, a trained operator shall operate the system manually and if due to a breakdown, the breakdown shall be reported to the District Compliance Division pursuant to Rule 98. [Rule 20.2(d)(1), Rule 98]
14. The permittee shall comply with the applicable requirements in 40 CFR Parts 60, 72, 73, and 75. [Rule 1421]
15. The permittee shall comply with all the applicable provisions of 40 CFR 73, including requirements to offset, hold and retire SO₂ allowances. [40 CFR Part 73]
16. A continuous emission monitoring system (CEMs) shall be maintained and calibrated to measure and record the concentrations of oxides of nitrogen (NO_x) and carbon monoxide (CO) in the exhaust gas on a dry basis (ppmvd) corrected to 15% oxygen. The CEMs shall also measure the oxygen content in the exhaust gas. The CEMs shall be in full operation at all times when the unit is in operation. [NSR, Rule 69.3.1]
17. When the CEMs is not recording data and the unit is operating, hourly NO_x emissions for the annual emission calculations shall be determined in accordance with 40 CFR 75 Appendix c. Additionally, hourly CO emissions for the annual emission calculations shall be determined using the hourly emission rate recorded by the CEMs during the most recent hours in which the unit operated 3 continuous hours at no less than 80% of full power rating. Alternate CO emission factors shall be determined from compliance source test emissions data. The

alternate hourly co emission rate shall be reviewed and approved by the District, in writing.
[40 CFR Part 75]

18. The CEMs shall be maintained and operated, and reports submitted, in accordance with the requirements of Rule 19.2 sections (d), (e), (f)(2),(f)(3), (f)(4) and (f)(5) and CEMs protocol approved by the District. [Rule 19.2]
19. The oxides of nitrogen (NO_x) and oxygen (O₂) CEMs shall be certified and maintained in accordance with applicable federal regulations including the requirements of Sections 75.10 and 75.12 of Title 40, Code of Federal Regulations Part 75 (40 CFR75), the performance specifications of Appendix A of 40 CFR 75, the quality assurance procedures of Appendix B of 40 CFR 75 and the CEMs protocol approved by the District. The carbon monoxide (CO) CEMs shall be certified and maintained in accordance with 40 CFR 60.
[40 CFR Part 75, 40 CFR Part 60]
20. Except for changes that are specified in the initial approved NO_x monitoring protocol or a subsequent revision to that protocol that is approved in advance, in writing, by the District, the District shall be notified in writing at least thirty (30) days prior to any planned changes made in the CEMs/DAHS (including the programmable logic controller) software which affects the value of data displayed on the CEMs/DAHS monitors with respect to the parameters measured by their respective sensing devices or any planned changes to the software that controls the ammonia flow to the SCR. Unplanned or emergency changes shall be reported to the District within 96 hours. [NSR]
21. The unit shall be equipped with continuous monitors to measure, calculate and record the following operational characteristics:
 - a. Hours of operation (hours);
 - b. Natural gas flow rate (kscfh);
 - c. Exhaust gas temperature (degrees Fahrenheit);
 - d. SCR average temperature (degrees Fahrenheit);
 - e. Ammonia injection rate (lbs/hour);
 - f. Net power output to grid (MW);
 - g. Water (for NO_x control) injection rate (lb/hr) if equipped with water injection.

These parameters shall be continuously monitored. These monitors shall be calibrated and maintained in accordance with manufacturer's recommended procedures and a protocol approved by the District. [Rule 69.3.1]

22. Fuel, water injection (for NO_x control), and ammonia flow meters shall be installed and maintained to measure the flow rate corrected for temperature and pressure. Calibration

reports, correction factors and constants for the previous five years shall be maintained on site or at a District approved alternate location and made available to the District within 48 hours after request. Fuel flow meters shall meet the applicable quality assurance requirements of 40 CFR Part 75, Appendix D, Section 2.1.6. [NSR, Rule 69.3.1, Rule 1200]

23. For the purposes of this permit, startup and shutdown shall be as defined in District rule 69.3.1. [Rule 69.3.1, Rule 20.2(d)(1)]
24. For the purposes of this permit, approved periods of testing, tuning and maintenance shall include the following:
 - c. Operation for conducting reliability, baseline or other related testing mandated by standards issued by the Federal Energy Regulatory Commission (FERC), or its 3rd party delegates including the North American Reliability Corporation (NERC), Western Electric Coordinating Council (WECC), or other related organizations.
 - d. Operation for tuning, testing or maintaining components of the gas turbine, emission control system(s) or electrical components in order to restore or measure system efficiency or performance.
 - c. Operation for tuning, testing or maintaining components of the gas turbine or emission control system(s) for purposes recommended by the manufacturer of the gas turbine or component(s) or servicing company for ensuring proper and efficient operation of the system.
[Rule 20.2(d)(1)]
25. Approved periods of testing, tuning and maintenance shall not exceed either 4 hours per calendar day or 48 hours per calendar year for any of these purposes. Any period of operation where the emission controls are in full operation as required by this permit and as shown by DAS/CEMS records shall not be included in determination of these limits. [Rule 20.2(d)(1)]
26. In order to claim that a period of operation meets the requirements for an approved period of testing, tuning and maintenance, the owner or operator must maintain the following records for each period:
 - a. Date(s) and time(s) of operation
 - b. Purpose of operation
 - c. Any applicable test procedure, regulation, or other records to demonstrate the need or purpose for the operation
 - d. Technical justification that steady-state emission standards cannot be met during this operation. Acceptable technical justifications include: need to operate turbine for extended period of time at low load, need to operate turbine in transient modes that exceed the ability of the emission controls to maintain steady state emission levels, tuning of the system or emission controls that involves operation outside the normal acceptable operating ranges for the emission control system, and any other operating scenarios that have been approved by the District.

[Rule 20.2(d)(1)]

27. The permittee shall submit to the District reports of excess emissions and monitor downtime, in accordance with § 60.7(c). Excess emissions must be reported for all periods of unit operation, including start-up, shutdown, and malfunction. Reports submitted pursuant to this requirement shall be postmarked no later than the 30th day following the end of the 6-month reporting period. 6-month reporting periods comprise January 1 through June 30, and July 1 through December 31. [40 CFR Subpart KKKK § 60.4375(a) or 40 CFR GG § 60.334(j)]
28. Excess emissions and monitor downtime shall be as defined in 40 CFR KKKK § 60.4380(b). An excess emission is any unit operating period, including periods of startup, shutdown and approved periods of testing, tuning and maintenance, in which the 4-hour rolling average NOx emission rate exceeds the applicable emission limit in 40 CFR 60 Subpart KKKK § Appendix Table 1 contained in this permit.
29. An operating log or data acquisition and handling system (DAHS) records shall be maintained either onsite, or at a District-approved alternate location to record each of the operational characteristics listed in this permit at least every 15 minutes. [NSR, Rule 69.3.1]
30. An operating log or data acquisition and handling system (DAHS) records shall be maintained either on site or at a District-approved alternate location to record actual times and durations of all startups and shut-downs, quantity of fuel used (scf) and energy generated (MW-hr), (monthly and annually by calendar year), hours of daily operation and total cumulative hours of operation (monthly and annually by calendar year). [NSR, Rule 69.3.1]
31. Except as specified herein, all records required by this permit shall be maintained on site for a minimum of five years and made available to District personnel upon request. If this site becomes unmanned, the permittee shall submit an alternate site for the maintenance of records to District for approval. [Rule 1421]
32. A Relative Accuracy Test Audit (RATA) and all other required certification tests shall be performed and completed on the CEMS in accordance with 40 CFR Part 75 Appendix A and B (Performance Specifications). At least 21 days prior to the test date, the permittee shall submit test protocol to the District for approval. Additionally, the District shall be notified a minimum of 21 days prior to the test so that observers may be present. [40 CFR Part 75]
33. Within 30 days after completion of the renewal source test or rata, a final test report shall be submitted to the District for review and approval. [NSR, Rule 1200]
34. This unit shall be source tested to demonstrate compliance with the NOx, CO, VOC, and Ammonia emission standards of this permit, using District approved methods. The source test and the NOx and CO RATA tests shall be conducted in accordance with the RATA frequency requirements of 40 CFR 75 Appendix B, Sections 2.3.1 and 2.3.3. [NSR, Rule 1200]
35. The Source Test Protocol shall comply with the following requirements:

- A) Measurements of Oxides of Nitrogen (NO_x), Carbon Monoxide (CO), and stack gas Oxygen content (O₂%) shall be conducted in accordance with U.S. Environmental Protection Agency (EPA) Method 7E and District Source Test Method 100, or the Air Resources Board (ARB) Test Method 100, as approved by the EPA.
- B) Measurement of Volatile Organic Compounds (VOCs) emissions shall be conducted in accordance with the San Diego Air Pollution Control District Methods 25A and/or 18.
- C) Measurements of Ammonia emissions shall be conducted in accordance with Bay Area Air Quality Management District (BAAQMD) Test Method ST-1B.
- D) Source Testing shall be performed at the normal load level, as specified in 40 CFR Part 75 Appendix A, Section 6.5.2.1 (d), and at no less than 80% of the unit's rated load unless it is demonstrated to the satisfaction of the District that the unit cannot operate under these conditions. If this demonstration is accepted, then emissions source testing shall be performed at the highest achievable continuous power level.
[NSR, Rule 1200]

36. 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]

B. DISTRICT-ONLY-ENFORCEABLE CONDITIONS

- 37. Ammonia emissions from the unit exhaust stack shall not exceed 10 parts per million volume on a dry basis (ppmvd) corrected to 15% oxygen. Compliance with this limit shall be demonstrated through source testing calculated as the average of three subtests. This limit shall not apply during the first 30 minutes of any startup, last 15 minutes of any shutdown, or during approved periods of testing, tuning and maintenance as defined in this permit.
[Rule 1200]
- 38. 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.]
- 39. Any violation of any emission standard as indicated by the CEMs shall be reported to the District's Compliance Division within 96 hours after such occurrence. [CA Health and Safety Code]
- 40. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other government agencies.

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

PERMIT NO
APCD2009-PTO-000395

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.

SDG&E
Environmental Operations
8315 Century Park Ct CP21L
San Diego CA 92123

EQUIPMENT ADDRESS
SDG&E Miramar
6875 Consolidated Wy
San Diego CA 92121

EQUIPMENT DESCRIPTION

Emergency black start engine: Mfr: Waukesha, Model: L36GLD, S/N: C-95181/1, rated at 924 bhp, fueled with natural gas, lean burn, driving a 689 KW generator (Mfr: Kohler, Model: 600RZW, S/N: 2176636)

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.

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The engine shall be operated exclusively during emergency periods or for testing and maintenance. Operation of this engine shall not exceed 52 hours per calendar year for non-emergency purposes (testing and maintenance). Operation during emergency periods is not limited. [NSR; Rule 69.4.1; 40 CFR 63 Subpart ZZZZ]
2. Gaseous fuel engines shall use only gaseous fuel which contains no more than 10 grains of sulfur compounds, calculated as hydrogen sulfide, per 100 cubic feet of dry gaseous fuel at standard conditions. Gaseous fuels include natural gas, propane, liquefied petroleum gas (LPG), butane. Gasoline engines shall use only California reformulated gasoline. [Rule 62]
3. Visible emissions including crank case smoke shall comply with Rule 50. [Rule 50]
4. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. [Rule 51]

5. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operating hours. If a meter is replaced, the air pollution control District's compliance division shall be notified in writing within 10 calendar days. The written notification shall include the following information:
 - a. Old meter's hour reading;
 - b. Replacement meter's manufacturer name, model, and serial number if available and current hour reading on replacement meter;
 - 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]

6. 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; 40 CFR 63 Subpart ZZZZ]
7. The owner or operator shall 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). [40 CFR 63 Subpart ZZZZ]
8. The owner or operator shall 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. [40 CFR 63 Subpart ZZZZ]
9. The owner or operator shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR 63 Subpart ZZZZ]

10. The owner or operator of this engine shall maintain an operating log containing, at a minimum, the following:
 - a. dates and times of engine operation, indicating whether the operation was for non-emergency purposes or during an emergency situation and the nature of the emergency, if available (these records are not required if the total engine operations for any purpose, including emergency situation, do not exceed 52 hours in a calendar year);
 - b. total cumulative hours of operation per calendar year, based on actual readings of engine hour or fuel meter;
 - c. records of periodic maintenance including dates maintenance was performed.

[Rule 69.4.1]

11. The owner or operator of the engine shall maintain the following records on site for at least the same period of time as the engine to which the records apply is located at the site:
 - a. Applicable fuel certification;
 - b. Manual of recommended maintenance provided by the manufacturer, or maintenance procedures specified by the engine servicing company;

[Rule 69.4.1]

12. All operational and maintenance logs required by this permit shall be kept a minimum of 3 years unless otherwise indicated by the conditions of this permit, and these records shall be made available to the Air Pollution Control District upon request. [Rule 69.4.1]
13. 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]

B. DISTRICT-ONLY-ENFORCEABLE CONDITIONS

14. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
15. 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

(LAST UPDATED 06/14/11)

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
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
	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	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
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
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

REGULATION XIV - 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 - 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 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 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 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 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 11/03/92	03/19/87
SS	Standards of Performance for the Industrial Surface Coating Large Appliances	02/22/84 11/03/92*	04/24/84
TT	Standards of Performance for Metal Coil Surface Coating	02/22/84 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 06/16/78	11/21/77
M	National Emission Standard for Asbestos	06/04/85 02/01/95	07/18/89

The following ATCM and NESHP 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 (NESHP) 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/Standards	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
JJJJJ	Area Sources: Industrial, Commercial, and Institutional Boilers	F	3/21/11
QQQQQ	Wood Preserving Area Sources	F	07/16/07
VVVVV	Chemical Manufacturing Area Sources	F	11/29/09
WWWWW	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 01/28/09	10/17/01 06/24/09	01/03/08 Pending
Da	Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	06/11/01 01/28/09	10/17/01 06/24/09	01/03/08 Pending
Db	Standards of Performance for Industrial-Commercial - Institutional Steam Generating Units	10/01/01 01/28/09	04/25/01 06/24/09	01/03/08 Pending
Dc	Standards of Performance for Small Industrial-Commercial -Institutional Steam Generating Units	05/08/96 01/28/09	08/13/97 06/24/09	06/24/98 Pending
GG	Standards of Performance for Stationary Gas Turbines	06/27/89 02/24/06	10/17/01 02/25/09	01/03/08 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 10/17/00	04/12/00 N/A	01/03/08 N/A
OOO	Standards of Performance for Nonmetallic Mineral Processing Plants	06/09/97 10/17/00	04/28/99 N/A	05/28/02 N/A
UUU	Standards of Performance for Calciners and Dryers in Mineral Industries	07/29/93 10/17/00	11/17/99 N/A	05/28/02 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				
III	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	07/11/06	N/A	N/A
JJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	01/18/08	N/A	N/A

APPENDIX C: ABBREVIATIONS USED 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