
San Diego County Air Pollution Control District

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

TITLE V OPERATING PERMIT

APCD2002-TVP-961008

Issued To:

City of San Diego, Point Loma Wastewater Treatment Plant
Site ID # APCD1976-SITE-02083

Site Address:

1902 Gatchell Rd.
San Diego, CA 92106
(619) 221-8700

Mailing Address

2392 Kincaid Road
San Diego, CA 92101

Responsible Official – Shauna Lorange, Director, Public Utilities Department
Juan Guerreiro, Interim Executive Assistant Director, Public Utilities Department
Thomas Rosales, Interim Water Resources Recovery Branch Assistant Director
Craig Boyd, Interim Wastewater Treatment and Disposal Deputy Director

Facility Contact – Amer Damlaj

Permit Information Contact – Salvador Coria

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

This Title V Operating Permit expires on _____.

Signed By: _____

Date: _____

Mohsen Nazemi, MS, PE.
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(a)]
3. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act and is grounds for enforcement action. Additionally, this permit may be modified, revoked, reopened and reissued, or terminated by the District for cause. [Rule 1421(b)]
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(b)]
5. This permit does not convey any property rights of any sort, or any exclusive privilege. [Rule 1421(b)]
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(b)]
7. In the event of challenge to any portion of this permit, the rest of the permit remains valid. [Rule 1421(b)]
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(b)(2)]
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(b)(1)]
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(b)(1)]
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(b)(2)]
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(b)(2)]

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 deviation and 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(b)(1)]

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. All requirements stipulated in this permit are considered federally enforceable, except as specifically noted where individual requirements are only local/district-only enforceable. [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) 10(b)	Permits Required – (a) Authority to Construct Permits Required – (b) Permit to Operate
SDCAPCD Reg. II	11	Exemptions
SDCAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDCAPCD Reg. II	19.3	Emission Information
SDCAPCD Reg. II	20	Standards for Granting Permits
SDCAPCD Reg. II	20.1	New Source Review
SDCAPCD Reg. II	20.3	New Source Review
SDCAPCD Reg. II	21	Permit Conditions
SDCAPCD Reg. II	24	Temporary Permit to Operate
SDCAPCD Reg. II	25	Appeals
SDCAPCD Reg. IV	60	Circumvention
SDCAPCD Reg. V	98*	Breakdown Conditions: Emergency Variance
SDCAPCD Reg. VI	101	Burning Control

* Breakdowns/variances are not recognized by EPA and cannot grant relief from federal enforcement of requirements

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. IV	50	Visible Emissions
SDCAPCD Reg. IV	51	Nuisance

SDCAPCD Reg. IV	52	Particulate Matter
SDCAPCD Reg. IV	53	Specific Contaminants
SDCAPCD Reg. IV	62	Sulfur Content of Fuels
SDCAPCD Reg. IV	67.0.1	Architectural Coatings
SDCAPCD Reg. IV	67.17	Storage of Materials Containing VOC
SDCAPCD Reg. IV	69.2	Boilers, Process Heaters, and Steam Generators
SDCAPCD Reg. IV	69.4.1*	Stationary Reciprocating Internal Combustion Engines
SDCAPCD Reg. IV	71	Abrasive Blasting
SDCAPCD Reg. X	****	NSPS
SDCAPCD Reg. XI	****	NESHAP
SDCAPCD Reg. XII	1200**	Toxic Air Contaminants – New Source Review
SDCAPCD Reg. XII	1206***	Asbestos Removal, Renovation, and Demolition
40 CFR Part 60	Subpart A****	NSPS - General Provisions
40 CFR Part 61	Subpart M****	NESHAP - Asbestos
40 CFR Part 63	Subpart A****	NESHAP General Provisions
40 CFR Part 63	Subpart ZZZZ	NESHAP for Reciprocating Internal Combustion Engines
40 CFR Part 63	Subpart DDDDD	NESHAP for Industrial, Commercial, and Institutional Boilers at Major Sources
40 CFR Part 82	Subpart F	Servicing of Other Air Conditioners
California Code of Regulations (CCR) Title 17	93115**	ATCM for Stationary Compression Ignition Engines
California Code of Regulations (CCR) Title 17	93116**	ATCM for Diesel Particulate Matter from Portable Engines Rated at 50 HP and Greater

* The District has submitted a revised version of Rule 69.4.1 for approval into the SIP which will replace 69.4 which has been repealed by the District. However, the EPA has not acted on this submittal, the current version of Rule 69.4 is still federally enforceable and Rule 69.4.1 is not.

** Not Federally Enforceable

*** 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 District has adopted these rules by reference; however, any changes made to these regulations at the federal level are not immediately adopted. In the event this creates a conflict between the District adopted and federal rules, the more stringent requirements will apply.

C. PERMIT SHIELDS

1. No permit shields.

D. ADDITIONAL TERMS

1. Any emission unit described in this Title V operating permit as being fired on natural gas, shall only use Public Utility Commission (PUC)-quality natural gas, unless the emission unit permit specifies otherwise. [Rules 53, 62]
2. Records required by this permit shall be considered as being maintained "on-site" if records for the previous 12-month period are available at the stationary source and any additional records are maintained at Pt. Lorna Wastewater Treatment Plant at 1902 Gatchell Rd., San Diego, California and the Metropolitan Operations Center at 9192

Topaz Way, San Diego, California and made readily available to the District upon request. [Rule 21]

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
APCD2002-PTO-960190	Boiler Digester Gas Fired With Natural Gas Backup
APCD2002-PTO-960191	Boiler Digester Gas Fired With Natural Gas Backup
APCD2002-PTO-960192	Boiler Digester Gas Fired With Natural Gas Backup
APCD2002-PTO-960193	Boiler Digester Gas Fired With Natural Gas Backup
APCD2004-PTO-961168	Gas Engine Generator Digester Gas Fired With Natural Gas Backup
APCD2004-PTO-961169	Gas Engine Generator Digester Gas Fired With Natural Gas Backup
APCD2006-PTO-930297	A 240 Million Gallon Per Day (Mgd) Advanced Primary Treatment Plant
APCD2006-PTO-940189	Sludge Screening Facility with ORS
APCD2008-PTO-961215	Emergency Engine Generator
APCD2009-PTO-950315	Sludge Digesters and Flares
APCD2015-PTO-002381	Flexible use permit ATCM portable prime-use diesel <200 hp
APCD2016-PTO-002649	Prime Diesel Engine (Low-Use, ATCM Portable)
APCD2016-PTO-002650	Prime Diesel Engine (Low-Use, ATCM Portable)

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	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
SDCAPCD Reg. IV	67.6	Solvent Cleaning Operations
SDCAPCD Reg. IV	69.4.1	Stationary Reciprocating Internal Combustion Engines

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.

D. INITIAL COMPLIANCE REQUIREMENTS – NESHAP SUBPART DDDDD

This section contains requirements for boilers newly subject to NESHAP DDDDD:

EU Reference	Source
APCD2002-PTO-960190	Boiler Digester Gas Fired With Natural Gas Backup
APCD2002-PTO-960191	Boiler Digester Gas Fired With Natural Gas Backup
APCD2002-PTO-960192	Boiler Digester Gas Fired With Natural Gas Backup
APCD2002-PTO-960193	Boiler Digester Gas Fired With Natural Gas Backup

1. Only digester gas & natural gas shall be used as fuel in this boiler unless another fuel is approved in advance in writing by the District. (Rule 69.2 and 40 CFR Part 60 Subpart DDDDD §63.7530)
2. The permittee shall tune the boiler annually in accordance with the manufacturer's recommended tuning procedure and NESHAP DDDDD. A copy of the manufacturer's recommended tuning procedure shall be maintained on-site and made available to the District upon request. (Rule 69.2 and 40 CFR Part 60 Subpart DDDDD §63.7540)
3. All records required by this permit, including fuel usages, tune-up documentation, compliance reports, and mercury fuel specification documentation shall be maintained on-site for a minimum of five years and made available to District personnel upon request. (Rule 69.2 and 40 CFR Part 63 Subpart DDDDD)
4. Annual compliance reports for NESHAP DDDDD including records of annual tune-ups shall be submitted to the EPA electronically via the CEDRI on or before the applicable submittal date. (40 CFR Part 60 Subpart DDDDD §63.7550)

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
APCD2002-PTO-960190	Boiler Digester Gas Fired With Natural Gas Backup
APCD2002-PTO-960191	Boiler Digester Gas Fired With Natural Gas Backup
APCD2002-PTO-960192	Boiler Digester Gas Fired With Natural Gas Backup
APCD2002-PTO-960193	Boiler Digester Gas Fired With Natural Gas Backup
APCD2004-PTO-961168	Gas Engine Generator Digester Gas Fired With Natural Gas Backup
APCD2004-PTO-961169	Gas Engine Generator Digester Gas Fired With Natural Gas Backup
APCD2006-PTO-930297	A 240 Million Gallon Per Day (Mgd) Advanced Primary Treatment Plant
APCD2006-PTO-940189	Sludge Screening Facility with ORS
APCD2008-PTO-961215	Emergency Engine Generator
APCD2009-PTO-950315	Sludge Digesters and Flares

NON-ROAD ENGINES NOT INCLUDED IN TITLE V PERMIT

EU Reference	Source
APCD2015-PTO-002381	Flexible use permit ATCM portable prime-use diesel <200 hp
APCD2016-PTO-002649	Prime Diesel Engine (Low-Use, ATCM Portable)
APCD2016-PTO-002650	Prime Diesel Engine (Low-Use, ATCM Portable)



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: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2020-APP-006484

PERMIT ID
APCD2002-PTO-960190


City of San Diego
 Associate Chemist Salvador Coria
 2392 Kincaid Rd
 San Diego CA, 92101

EQUIPMENT ADDRESS
 City of San Diego-Metropolitan
 KC Shankles
 1902 Gatchell Road
 San Diego CA 92106

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

City of San Diego - Metropolitan Wastewater Dept Owner Manager 2392 Kincaid Rd, San Diego, CA 92101

EQUIPMENT DESCRIPTION

BOILER: CLEAVER BROOKS MODEL CB 250 (LE), FORCED DRAFT BURNER, DIGESTER GAS FIRED WITH NATURAL GAS BACKUP, 10.2 MM BTU/HR LOW NOX BURNER AND FLUE GAS RECIRCULATION, S/N OL097310, BOILER # 1. 960190AFS29MAY2002

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 [13A] Boiler/Heater

BEC: APCD2025-CON-002205

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The permittee shall comply with the following applicable requirements, unless a specific shield is provided below: Rule 53, Rule 62, and Rule 69.2.
2. Only digester gas & natural gas shall be used as fuel in this boiler unless another fuel is approved in advance in writing by the District. [Rule 69.2]
3. The Higher Heating Value (HHV) of the fuels and the annual (calendar year) fuel usage shall be determined on a monthly basis. The site shall determine and record the digester gas HHV on a monthly basis. At least once every six months an independent analytical laboratory shall determine the digester gas HHV. The natural gas HHV shall be obtained from the serving utility. All these HHV records shall be maintained on-site and shall be made available to the District upon request. [Rule 69.2]
4. If the HHV determined by an independent analytical laboratory varies by more than 5% (+ or -) from the value determined by the facility, then the independent analytical laboratory results shall be used for that month. [Rule 69.2]



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PERMIT ID
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5. This boiler shall not vent digester gas for boiler blowdown or to remove residual digester gas from digester gas piping system prior to a preventative maintenance event more than two (2) times a day for this boiler. Digester gas venting shall not exceed 15 seconds per event. [Rule 69.2]
6. Digester gas venting shall be logged in the boiler venting log book on the day of the venting. The log shall include the following: Date, time, estimated duration of the digester gas venting procedure, a running total of the number of digester gas venting events during a calendar year. [Rule 69.2]
7. For each month, therms utilized shall be calculated as follows: $\text{HHV (BTU/SCF for the specified month)} \times \text{digester gas (SCF/month for the specified month)} / 100,000 \text{ BTU/therm} + \text{HHV (BTU/SCF for the specified month)} \times \text{natural gas (SCF/month for the specified month)} / 100,000 \text{ BTU/therm} = \text{therms/month}$. (Rule 69.2)
8. By the end of each calendar month, the permittee shall calculate the total therms used by this equipment during the preceding calendar month and the total therms used by this equipment and the boiler that this equipment replaced during the calendar year. (Rule 69.2)
9. The boiler shall have a non-resettable, totalizing meter in the fuel line to measure the mass flow rate of each fuel. (Rule 69.2)
10. The flue gas recirculation system shall be in operation in accordance with the manufacturer's instructions when the equipment is in operation. The manufacturer's instructions shall be maintained on-site and made available to the District upon request. (Rule 69.2)
11. The permittee shall tune the boiler annually in accordance with the manufacturer's recommended tuning procedure and NESHAP DDDDD. A copy of the manufacturer's recommended tuning procedure shall be maintained on-site and made available to the District upon request. (Rule 69.2 and 40 CFR Part 60 Subpart DDDDD §63.7540)
12. In accordance with District Rule 69.2 (e), continuous monitors shall allow monitoring of the stack gas oxygen concentration in the flue gas and the percentage of flue gas recirculated. These monitors shall be calibrated and maintained in accordance with all applicable local, state, and federal regulations and procedures as approved by the District. (Rule 69.2)
13. All records required by this permit, including fuel usages, tune-up documentation, compliance reports, and mercury fuel specification documentation shall be maintained on-site for a minimum of five years and made available to District personnel upon request. (Rule 69.2 and 40 CFR Part 63 Subpart DDDDD)
14. Annual compliance reports for NESHAP DDDDD including records of annual tune-ups shall be submitted to the EPA electronically via the CEDRI on or before the applicable submittal date. (40 CFR Part 60 Subpart DDDDD §63.7550)
15. 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)
16. 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)
17. If requested by the District or EPA particulate emissions shall be measured in accordance with District method 5. (Rule 53)
18. If requested by the District or EPA the sulfur content of fuel shall be measured in accordance with ASTM test method d-3246. (Rule 53)
19. 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

20. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
21. 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.) (Air Toxic Hot Spots)



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City of San Diego
 Associate Chemist Salvador Coria
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EQUIPMENT ADDRESS
 City of San Diego-Metropolitan
 KC Shankles
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PERMIT TO OPERATE

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EQUIPMENT OWNER

City of San Diego - Metropolitan Wastewater Dept Owner Manager 2392 Kincaid Rd, San Diego, CA 92101

EQUIPMENT DESCRIPTION

BOILER: CLEAVER BROOKS MODEL CB 250 (LE), FORCED DRAFT BURNER, DIGESTER GAS FIRED WITH NATURAL GAS BACKUP, 10.2 MM BTU/HR LOW NOX BURNER AND FLUE GAS RECIRCULATION, S/N OL097311, BOILER # 2. 960191AFS29MAY2002

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 [13A] Boiler/Heater

BEC: APCD2025-CON-002205

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The permittee shall comply with the following applicable requirements, unless a specific shield is provided below: Rule 53, Rule 62, and Rule 69.2. (Rule 1421)
2. Only digester gas & natural gas shall be used as fuel in this boiler unless another fuel is approved in advance in writing by the District. (Rule 69.2)
3. The Higher Heating Value (HHV) of the fuels and the annual (calendar year) fuel usage shall be determined on a monthly basis. The site shall determine and record the Digester Gas HHV on a monthly basis. At least once every six months an independent analytical laboratory shall determine the Digester Gas HHV. The Natural Gas HHV shall be obtained from the serving Utility. All these HHV records shall be maintained on-site and shall be made available to the District upon request. (Rule 69.2)
4. If the HHV determined by an independent analytical laboratory varies by more than 5 percent (+ or -) from the value determined by the facility, then the independent analytical laboratory results shall be used for that month. (Rule 69.2)



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: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2020-APP-006484

PERMIT ID
APCD2002-PTO-960191


5. This Boiler shall not vent Digester Gas for Boiler blow-down or to remove residual Digester Gas from Digester Gas Piping System prior to a preventative maintenance event more than two (2) times a day for this Boiler. Digester Gas venting shall not exceed 15 seconds per event. (Rule 69.2)
6. Digester Gas venting shall be logged in the Boiler Venting Logbook on the day of the venting. The Log shall include the following:
 - date
 - time
 - estimated duration of the Digester Gas venting procedure
 - a running total of the number of Digester Gas venting events during a calendar year (Rule 69.2)
7. For each month, therms utilized shall be calculated as follows:
$$\text{HHV (BTU/SCF for the specified month)} \times \text{Digester Gas (SCF/month for the specified month)} / 100,000 \text{ BTU/therm} + \text{HHV (BTU/SCF for the specified month)} \times \text{Natural Gas (SCF/month for the specified month)} / 100,000 \text{ BTU/therm} = \text{therms/month. [Rule 69.2]}$$
8. By the end of each calendar month, the Permittee shall calculate the total therms used by this equipment during the preceding calendar month and the total therms used by this equipment and the Boiler that this equipment replaced during the calendar year. (Rule 69.2)
9. The Boiler shall have a non-resettable, totalizing meter in the fuel line to measure the mass flow rate of each fuel. (Rule 69.2)
10. The Flue Gas Recirculation System shall be in operation in accordance with the manufacturer's instructions when the equipment is in operation. The manufacturer's instructions shall be maintained on-site and made available to the District upon request. (Rule 69.2)
11. The permittee shall tune the boiler annually in accordance with the manufacturer's recommended tuning procedure and NESHAP DDDDD. A copy of the manufacturer's recommended tuning procedure shall be maintained on-site and made available to the District upon request. (Rule 69.2 and 40 CFR Part 60 Subpart DDDDD §63.7540)
12. In accordance with District Rule 69.2(E), continuous monitors shall allow monitoring of the Stack Gas Oxygen concentration in the Flue Gas and the percentage of Flue Gas recirculated. These monitors shall be calibrated and maintained in accordance with all applicable Local, State and Federal Regulations and Procedures as approved by the District. (Rule 69.2)
13. All records required by this permit, including fuel usages, tune-up documentation, compliance reports, and mercury fuel specification documentation shall be maintained on-site for a minimum of five years and made available to District personnel upon request. (Rule 69.2 and 40 CFR Part 63 Subpart DDDDD)
14. Annual compliance reports for NESHAP DDDDD including records of annual tune-ups shall be submitted to the EPA electronically via the CEDRI on or before the applicable submittal date. (40 CFR Part 60 Subpart DDDDD §63.7550)
15. 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)
16. 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)
17. If requested by the District or EPA, Particulate Emissions shall be measured in accordance with District Method 5. (Rule 53)
18. If requested by the District or EPA, the Sulfur content of fuel shall be measured in accordance with ASTM Test Method D-3246. (Rule 53)
19. 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)



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2020-APP-006484

PERMIT ID
APCD2002-PTO-960191


B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2024-INA-000318

PERMIT ID
APCD2002-PTO-960192


City of San Diego
 Associate Chemist Salvador Coria
 2392 Kincaid Rd
 San Diego CA, 92101

EQUIPMENT ADDRESS
 City of San Diego-Metropolitan
 Norman Doss
 1902 Gatchell Road
 San Diego CA 92106

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

City of San Diego - Metropolitan Wastewater Dept Owner Manager 2392 Kincaid Rd, San Diego, CA 92101

EQUIPMENT DESCRIPTION

BOILER: CLEAVER BROOKS MODEL CB 250 (LE), FORCED DRAFT BURNER, DIGESTER GAS FIRED WITH NATURAL GAS BACKUP, 10.2 MM BTU/HR LOW NOX BURNER AND FLUE GAS RECIRCULATION, S/N OL097312, BOILER # 3. 960192AFS29MAY2002

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 [49A] Non-Operational Status Equipment
 1 [13A] Boiler/Heater

BEC: APCD2010-CON-000132

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

- 4. 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

- 1. This equipment shall not be operated at any time except where limited use of this equipment is allowed without a permit to operate under a Rule 11 exemption. This limited usage shall be subject to all other applicable prohibitory rules. All records and data necessary to substantiate this Rule 11 exemption shall be maintained on site for a minimum of three calendar years and made available to the District upon request.
- 2. If the previously applicable permit to operate (prior to inactivation) required source testing, the equipment shall be source tested within 60 calendar days of permit reactivation. This source testing is required to demonstrate compliance with emission standards contained in the previously applicable permit to operate, it is the responsibility of the permittee to schedule the source test with the District. The source test shall be performed or witnessed by the District.



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3. The permittee shall submit an application and obtain written approval from the District prior to operating the equipment under inactive status. In the event new or additional requirements are applicable to this equipment upon reactivation, the permittee shall submit an application and additional information with corresponding fees to demonstrate how the permittee will comply with the new or additional requirements and to add corresponding permit conditions.
5. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
6. 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.) (Air Toxics Hot Spots)



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Site ID: APCD1976-SITE-02083
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EQUIPMENT ADDRESS
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PERMIT TO OPERATE

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EQUIPMENT OWNER

City of San Diego - Metropolitan Wastewater Dept Owner Manager 2392 Kincaid Rd, San Diego, CA 92101

EQUIPMENT DESCRIPTION

BOILER: CLEAVER BROOKS MODEL CB 250 (LE), FORCED DRAFT BURNER, DIGESTER GAS FIRED WITH NATURAL GAS BACKUP, 10.2 MM BTU/HR LOW NOX BURNER AND FLUE GAS RECIRCULATION, S/N OL097313, BOILER # 4. 960193AFS29MAY2002

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 [13A] Boiler/Heater

BEC: APCD2025-CON-002205

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The permittee shall comply with the following applicable requirements, unless a specific shield is provided below: Rule 53, Rule 62, and Rule 69.2. (Rule 1421)
2. Only digester gas & natural gas shall be used as fuel in this boiler unless another fuel is approved in advance in writing by the District. (Rule 69.2)
3. The Higher Heating Value (HHV) of the fuels and the annual (calendar year) fuel usage shall be determined on a monthly basis. The site shall determine and record the Digester Gas HHV on a monthly basis. At least once every six months an independent analytical laboratory shall determine the Digester Gas HHV. The Natural Gas HHV shall be obtained from the serving Utility. All these HHV records shall be maintained on-site and shall be made available to the District upon request. (Rule 69.2)
4. If the HHV determined by an independent analytical laboratory varies by more than 5 percent (+ or -) from the value determined by the facility, then the independent analytical laboratory results shall be used for that month. (Rule 69.2)



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5. This Boiler shall not vent Digester Gas for Boiler blow-down or to remove residual Digester Gas from Digester Gas Piping System prior to a preventative maintenance event more than two (2) times a day for this Boiler. Digester Gas venting shall not exceed 15 seconds per event. (Rule 69.2)
6. Digester Gas venting shall be logged in the Boiler Venting Logbook on the day of the venting. The Log shall include the following:
 - date
 - time
 - estimated duration of the Digester Gas venting procedure
 - a running total of the number of Digester Gas venting events during a calendar year (Rule 69.2)
7. For each month, therms utilized shall be calculated as follows:
$$\text{HHV (BTU/SCF for the specified month)} \times \text{Digester Gas (SCF/month for the specified month)} / 100,000 \text{ BTU/therm} + \text{HHV (BTU/SCF for the specified month)} \times \text{Natural Gas (SCF/month for the specified month)} / 100,000 \text{ BTU/therm} = \text{therms/month. (Rule 69.2)}$$
8. By the end of each calendar month, the Permittee shall calculate the total therms used by this equipment during the preceding calendar month and the total therms used by this equipment and the Boiler that this equipment replaced during the calendar year. (Rule 69.2)
9. The Boiler shall have a non-resettable, totalizing meter in the fuel line to measure the mass flow rate of each fuel. (Rule 69.2)
10. The Flue Gas Recirculation System shall be in operation in accordance with the manufacturer's instructions when the equipment is in operation. The manufacturer's instructions shall be maintained on-site and made available to the District upon request. (Rule 69.2)
11. The permittee shall tune the boiler annually in accordance with the manufacturer's recommended tuning procedure and NESHAP DDDDD. A copy of the manufacturer's recommended tuning procedure shall be maintained on-site and made available to the District upon request. (Rule 69.2 and 40 CFR Part 60 Subpart DDDDD §63.7540)
12. In accordance with District Rule 69.2(E), continuous monitors shall allow monitoring of the Stack Gas Oxygen concentration in the Flue Gas and the percentage of Flue Gas recirculated. These monitors shall be calibrated and maintained in accordance with all applicable Local, State and Federal Regulations and Procedures as approved by the District. (Rule 69.2)
13. All records required by this permit, including fuel usages, tune-up documentation, compliance reports, and mercury fuel specification documentation shall be maintained on-site for a minimum of five years and made available to District personnel upon request. (Rule 69.2 and 40 CFR Part 63 Subpart DDDDD)
14. Annual compliance reports for NESHAP DDDDD including records of annual tune-ups shall be submitted to the EPA electronically via the CEDRI on or before the applicable submittal date. (40 CFR Part 60 Subpart DDDDD §63.7550)
15. 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)
16. 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)
17. If requested by the District or EPA, Particulate Emissions shall be measured in accordance with District Method 5. (Rule 53)
18. If requested by the District or EPA, the Sulfur content of fuel shall be measured in accordance with ASTM Test Method D-3246. (Rule 53)
19. 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)



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PERMIT ID
APCD2002-PTO-960193


B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

20. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
21. 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.) (Air Toxics Hot Spots)



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2024-APP-008463

PERMIT ID
APCD2004-PTO-961168


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 Associate Chemist Salvador Coria
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EQUIPMENT ADDRESS
 City of San Diego-Metropolitan
 KC Shankles
 1902 Gatchell Road
 San Diego CA 92106

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

City of San Diego - Metropolitan Wastewater Dept Owner Manager 2392 Kincaid Rd, San Diego, CA 92101

EQUIPMENT DESCRIPTION

Prime (lean burn) engine, fueled with digester gas and natural gas backup:
 Mfr: Caterpillar,
 Model: G-3612TA,
 S/N 1YG00124,
 rated at 3200 brake horsepower,
 driving a 2300 kW generator (mfr: Kato)
 with waste heat recovery.

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 [34B] Cogeneration Engine
 1 [92F] NOx and CO Source Test

BEC: APCD2023-CON-002042

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. When operating on Natural Gas or Digester Gas, emissions of Oxides of Nitrogen (NOx) calculated as Nitrogen Dioxide shall not exceed 42 parts per million by volume on a dry basis (PPMVD) corrected to 15% Oxygen.
2. When operating on Natural Gas or Digester Gas, emissions of Carbon Monoxide (CO) shall not exceed 280 parts per million by volume on a dry basis (PPMVD) corrected to 15% Oxygen.



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3. The engine must comply with the following emission limits of Rule 69.4.1 subsection (d)(1)(ii)(A):

- a. NOx (Oxides of Nitrogen): 65 ppmvd corrected to 15% O2
- b. CO (Carbon Monoxide): 2,000 ppmvd corrected to 15% O2

Compliance may also be shown by a source test or using a handheld portable analyzer in accordance with Rule 69.4.1(e) (5) and 69.4.1(g)(8) in quarters in which a source test is not conducted.

[Rule 69.4.1(d)(1)(ii)(A) – lean-burn]

- 4. Only digester gas or natural gas shall be used as fuel in these engines.
- 5. The usage of 100 percent natural gas as a fuel for either of the two engines shall only be done in the following situations:
 - a. For emergency use when the digester gas supply is unavailable, or;
 - b. For maintenance, repair or testing of the engine digester gas supply, or associated software systems.

The total time shall not exceed thirty (30) days per calendar year per engine unless approved in writing by the District in advance.

- 6. Except for purging digester gas and natural gas from the fuel lines, as a safety precaution during scheduled maintenance period, digester gas and natural gas shall not be released into the atmosphere and shall be consumed in District permitted flares, boilers, or engines.
- 7. The owner or operator of this engine shall conduct annual 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. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
 - 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
 - 2) Inspect and clean air filters, replacing as necessary;
 - 3) Inspect all hoses and belts, replacing as necessary; and
 - 4) Inspect spark plugs, if equipped, replacing as necessary.

Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine.

[Rule 69.4.1(f)(2)]



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8. The owner or operator shall have a trained operator use a portable analyzer to take NOx and CO emission readings to verify compliance with the applicable emissions standards of Rule 69.4.1 Subsection (d)(1) during any calendar quarter in which a source test is not performed. All readings shall comply with the following:
- i. All readings shall be taken with the engine operating either at the highest achievable continuous brake horsepower rating, or under the typical duty cycle or operational mode of the engine.
 - ii. Emission readings shall be averaged over a consecutive 15-minute period by either taking a cumulative 15 consecutive minute sample reading or by taking at least five readings evenly spaced out over the 15 consecutive minute period.
 - iii. At least 6 calendar weeks shall separate the date of the last emission reading taken or source test conducted in the previous calendar quarter and the first emission reading taken in the subsequent calendar quarter in which a source test is not performed.
 - iv. If this engine is found to exceed the applicable NOx (oxides of nitrogen) and/or CO (carbon monoxide) emission standards of Rule 69.4.1(d)(1) with a portable analyzer, the owner or operator shall bring the engine into compliance within 20 calendar days of the initial out-of-compliance reading. If the engine is not brought into compliance of Rule 69.4.1(d)(1) within 20 calendar days, the exceedance shall be considered a violation of 69.4.1(d)(1).
 - v. A trained operator is a person who has completed an appropriate South Coast Air Quality Management District (SCAQMD) approved training program in the operation of portable analyzers and has received a certification issued by SCAQMD. A copy of the certification shall be maintained on site and made available to the District upon request.
- [Rule 69.4.1(e)(5)]
9. The owner or operator using a portable analyzer shall record and maintain all emission readings, the dates and times of when the readings were recorded, maintain records of all calibrations, including relative accuracy during calibration, and maintenance of any portable analyzer use, maintain a manual of recommended calibration, maintenance and operation as provided by the manufacturer, and provide written notification to the Air Pollution Control Officer within 2 business days of a reading that exceeds the emission standards.
[Rule 69.4.1(g)(8)]
10. Non-resettable totalizing fuel meters with an accuracy of +/- 5% in each gas fuel line of the engine shall measure the volumetric flow rate, temperature and pressure of the fuel. Any correction factors shall be displayed on the meters.
11. A non-resettable engine hour meter shall be installed on each engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced while the engine is operating on site, the Air Pollution Control District's Compliance Division shall be notified in writing by the engine owner 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 meter reading on replacement meter
c) copy of receipt for the new meter or of the installation work order
A copy of the meter replacement notification shall be maintained onsite and made available to the District upon request.
[Rule 69.4.1]
12. Fuel use records shall be maintained for each fuel and shall be made available to the District on request.
13. The owner or operator of the engine shall maintain a manual of recommended maintenance provided by the manufacturer, or maintenance procedures specified by the engine servicing company on site for at least the same period of time as the engine to which the records apply is located at the site. [Rule 69.4.1]



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14. The owner or operator of the engine shall maintain records of annual engine maintenance, including dates maintenance was performed and the nature of the maintenance.
 [Rule 69.4.1(g)(3)(ii)]
15. This equipment shall be source tested once each permit year (annual source test) to demonstrate compliance with the emission standards contained in this permit. For the purposes of this permit, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. The source test shall be performed or witnessed by the District. Each annual source test shall be separated by at least 90 days from any annual source test performed in a different permit year.
16. Source Testing test method:
 Concentrations of NOx, CO and O2 in the exhaust shall be measured in accordance with SDC APCD Test Method 100.
 [Rule 69.4.1(h)(1)(i)]
17. Emissions source testing shall be performed at no less than 80 percent of the brake horsepower rating. If an owner or operator of an engine demonstrates to the satisfaction of the Air Pollution Control Officer that the engine does not operate at these conditions, then emissions source testing shall be performed at the highest achievable continuous brake horsepower rating or under typical duty cycle or operational mode of the engine.
18. 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.
19. Emissions of combustion particulates shall not exceed 0.10 grains per dry standard cubic foot of gas standardized to 12 percent carbon dioxide by volume. [Rule 53]
20. If requested by the District or EPA, Particulate Emissions shall be measured in accordance with District Method 5.
21. If requested by the District or EPA, the Sulfur content of fuel shall be measured in accordance with ASTM Test Method D-3246.
22. Unless otherwise specified, all records required by this permit shall be maintained on-site for a minimum of three years from their date of creation and made available to District Personnel upon request.
23. 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

24. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
25. 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.)



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APCD2004-PTO-961169


City of San Diego
 Associate Chemist Salvador Coria
 2392 Kincaid Rd
 San Diego CA, 92101

EQUIPMENT ADDRESS
 City of San Diego-Metropolitan
 KC Shankles
 1902 Gatchell Road
 San Diego CA 92106

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

City of San Diego - Metropolitan Wastewater Dept Owner Manager 2392 Kincaid Rd, San Diego, CA 92101

EQUIPMENT DESCRIPTION

Prime (lean burn) engine, fueled with digester gas and natural gas backup:
 Mfr: Caterpillar,
 Model: G-3612TA,
 S/N 1YG00125,
 rated at 3200 brake horsepower,
 driving a 2300 kW generator (mfr: Kato)
 with waste heat recovery.

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 [34B] Cogeneration Engine
 1 [92F] NOx and CO Source Test

BEC: APCD2023-CON-002042

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. When operating on Natural Gas or Digester Gas, emissions of Oxides of Nitrogen (NOx) calculated as Nitrogen Dioxide shall not exceed 42 parts per million by volume on a dry basis (PPMVD) corrected to 15% Oxygen.
2. When operating on Natural Gas or Digester Gas, emissions of Carbon Monoxide (CO) shall not exceed 280 parts per million by volume on a dry basis (PPMVD) corrected to 15% Oxygen.



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10124 OLD GROVE ROAD, SAN DIEGO, CA 92131-1649
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3. The engine must comply with the following emission limits of Rule 69.4.1 subsection (d)(1)(ii)(A):

- a. NO_x (Oxides of Nitrogen): 65 ppmvd corrected to 15% O₂
- b. CO (Carbon Monoxide): 2,000 ppmvd corrected to 15% O₂

Compliance may also be shown by a source test or using a handheld portable analyzer in accordance with Rule 69.4.1(e) (5) and 69.4.1(g)(8) in quarters in which a source test is not conducted.

[Rule 69.4.1(d)(1)(ii)(A) – lean-burn]

- 4. Only digester gas or natural gas shall be used as fuel in these engines.
- 5. The usage of 100 percent natural gas as a fuel for either of the two engines shall only be done in the following situations:
 - a. For emergency use when the digester gas supply is unavailable, or;
 - b. For maintenance, repair or testing of the engine digester gas supply, or associated software systems.

The total time shall not exceed thirty (30) days per calendar year per engine unless approved in writing by the District in advance.

- 6. Except for purging digester gas and natural gas from the fuel lines, as a safety precaution during scheduled maintenance period, digester gas and natural gas shall not be released into the atmosphere and shall be consumed in District permitted flares, boilers, or engines.
- 7. The owner or operator of this engine shall conduct annual 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. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
 - 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
 - 2) Inspect and clean air filters, replacing as necessary;
 - 3) Inspect all hoses and belts, replacing as necessary; and
 - 4) Inspect spark plugs, if equipped, replacing as necessary.

Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine.

[Rule 69.4.1(f)(2)]



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8. The owner or operator shall have a trained operator use a portable analyzer to take NOx and CO emission readings to verify compliance with the applicable emissions standards of Rule 69.4.1 Subsection (d)(1) during any calendar quarter in which a source test is not performed. All readings shall comply with the following:
- i. All readings shall be taken with the engine operating either at the highest achievable continuous brake horsepower rating, or under the typical duty cycle or operational mode of the engine.
 - ii. Emission readings shall be averaged over a consecutive 15-minute period by either taking a cumulative 15 consecutive minute sample reading or by taking at least five readings evenly spaced out over the 15 consecutive minute period.
 - iii. At least 6 calendar weeks shall separate the date of the last emission reading taken or source test conducted in the previous calendar quarter and the first emission reading taken in the subsequent calendar quarter in which a source test is not performed.
 - iv. If this engine is found to exceed the applicable NOx (oxides of nitrogen) and/or CO (carbon monoxide) emission standards of Rule 69.4.1(d)(1) with a portable analyzer, the owner or operator shall bring the engine into compliance within 20 calendar days of the initial out-of-compliance reading. If the engine is not brought into compliance of Rule 69.4.1(d)(1) within 20 calendar days, the exceedance shall be considered a violation of 69.4.1(d)(1).
 - v. A trained operator is a person who has completed an appropriate South Coast Air Quality Management District (SCAQMD) approved training program in the operation of portable analyzers and has received a certification issued by SCAQMD. A copy of the certification shall be maintained on site and made available to the District upon request.
- [Rule 69.4.1(e)(5)]
9. The owner or operator using a portable analyzer shall record and maintain all emission readings, the dates and times of when the readings were recorded, maintain records of all calibrations, including relative accuracy during calibration, and maintenance of any portable analyzer use, maintain a manual of recommended calibration, maintenance and operation as provided by the manufacturer, and provide written notification to the Air Pollution Control Officer within 2 business days of a reading that exceeds the emission standards.
[Rule 69.4.1(g)(8)]
10. Non-resettable totalizing fuel meters with an accuracy of +/- 5% in each gas fuel line of the engine shall measure the volumetric flow rate, temperature and pressure of the fuel. Any correction factors shall be displayed on the meters.
11. A non-resettable engine hour meter shall be installed on each engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced while the engine is operating on site, the Air Pollution Control District's Compliance Division shall be notified in writing by the engine owner 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 meter reading on replacement meter
c) copy of receipt for the new meter or of the installation work order
A copy of the meter replacement notification shall be maintained onsite and made available to the District upon request.
[Rule 69.4.1]
12. Fuel use records shall be maintained for each fuel and shall be made available to the District on request.
13. The owner or operator of the engine shall maintain a manual of recommended maintenance provided by the manufacturer, or maintenance procedures specified by the engine servicing company on site for at least the same period of time as the engine to which the records apply is located at the site. [Rule 69.4.1]



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14. The owner or operator of the engine shall maintain records of annual engine maintenance, including dates maintenance was performed and the nature of the maintenance.
[Rule 69.4.1(g)(3)(ii)]
15. This equipment shall be source tested once each permit year (annual source test) to demonstrate compliance with the emission standards contained in this permit. For the purposes of this permit, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. The source test shall be performed or witnessed by the District. Each annual source test shall be separated by at least 90 days from any annual source test performed in a different permit year.
16. Source Testing test method:
Concentrations of NO_x, CO and O₂ in the exhaust shall be measured in accordance with SDC APCD Test Method 100.
[Rule 69.4.1(h)(1)(i)]
17. Emissions source testing shall be performed at no less than 80 percent of the brake horsepower rating. If an owner or operator of an engine demonstrates to the satisfaction of the Air Pollution Control Officer that the engine does not operate at these conditions, then emissions source testing shall be performed at the highest achievable continuous brake horsepower rating or under typical duty cycle or operational mode of the engine.
18. 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.
19. Emissions of combustion particulates shall not exceed 0.10 grains per dry standard cubic foot of gas standardized to 12 percent carbon dioxide by volume. [Rule 53]
20. If requested by the District or EPA, Particulate Emissions shall be measured in accordance with District Method 5.
21. If requested by the District or EPA, the Sulfur content of fuel shall be measured in accordance with ASTM Test Method D-3246.
22. Unless otherwise specified, all records required by this permit shall be maintained on-site for a minimum of three years from their date of creation and made available to District Personnel upon request.
23. 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

24. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
25. 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.)



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2006-APP-005428

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APCD2006-PTO-930297


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EQUIPMENT OWNER

City of San Diego - PUD Facility Manager 2392 Kincaid Rd, San Diego, CA 92101

EQUIPMENT DESCRIPTION

A 240 million gallon per day (MGD) advanced primary treatment plant consisting of: preliminary treatment and grit handling operations (headworks, screening building, six (6) aerated grit tanks, six (6) parshall flumes, effluent weir structure, and grit processing equipment) controlled by Odor Reduction System (ORS) 1; twelve (12) sedimentation basins controlled by ORS's 2,3,4,5,7 and 8, with each ORS controlling no more than three sedimentation basins; chemical addition/storage facilities, associated piping, fans, ducts and electrical equipment.

ORS 1 consisting of two identical trains (1 service and 1 standby) with each train consisting of one (1) scrubber fan, one (1) scrubber, two (2) recirculating pumps (1 service, 1 standby) and makeup water system.

ORS 2,3,4,5,7 and 8 each consist of one (1) scrubber fan, one (1) wet scrubber, two (2) recirculating pumps (1 service, 1 standby), a makeup water system, one (1) carbon fan, two (2) carbon towers (1 service, 1 standby) each containing approximately 20,000 pounds activated carbon. APP. 977649 (982377/SJR) (08/06) (987682/RKY)

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 [56A] Sewage Treatment Facility
 BEC: APCD2014-CON-000832

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A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The Odor Reduction System(s) (ORS) and its monitoring equipment shall be maintained in good operating condition and shall be in full operation in accordance with the facility Operations and Maintenance (O&M) manual at all times when the process equipment is in operation except during outages not to exceed 1094 hours per calendar year. An outage is any period when any component necessary for full operation of the ORS is shut down or malfunctions. Full operation consists of: For ORS 1, one wet scrubber in operation; for ORS 2-8, one wet scrubber followed by one carbon adsorption unit in operation. The District must be notified of all outages which exceed 24 hours. Notification must be submitted in writing no later than 2 calendar days after any outage. The O&M manual and logs of the date, duration (in minutes), purpose and type of shutdown shall be maintained on-site for five years from date of entry and shall be made available to District personnel upon request. [Rule 51]
2. Odor reduction system 1, 2, 3, 4, 5, 7 and 8 shall be equipped with a volumetric flow measuring device in its liquid recirculation system indicating the instantaneous flow of liquid to the scrubber packing. Scrubber flow shall be greater than 250 gallons per minute when the scrubber is in operation. Scrubber flow rate shall be recorded once daily. The flow meters shall be calibrated in accordance with the manufacturer's specifications. Scrubber flow records and records of calibration including manufacturer's calibration specifications indicating the flow meter's accuracy and dates of calibration shall be kept on site for three years and made available to the District upon request. (Rule 51)
3. Odor reduction system 1, 2, 3, 4, 5, 7 and 8 shall be equipped with a pH control and visual display indicating the instantaneous ph value. pH of the scrubbing solution shall be 9.0 or greater when the scrubber is in operation except during equipment start-up, the duration of which shall not exceed 24 hours. Ph values shall be recorded once daily. All instruments and probes associated with pH control shall be calibrated in accordance with the manufacturer's specifications. Daily pH records and records of calibration including manufacturer's calibration specifications and dates of calibration shall be kept on site for three years and made available to the District upon request. (Rule 51)
4. Odor reduction systems 1, 2, 3, 4, 5, 7 and 8 shall be equipped with an oxidation reduction potential (ORP) controller and a visual display indicating the instantaneous ORP value. ORP shall be 575 mv or greater when the scrubber is in operation except during equipment start-up, the duration of which shall not exceed 24 hours. ORP values shall be recorded once daily. All instruments and probes associated with ORP control shall be calibrated in accordance with the manufacturer's specifications. Daily ORP records and records of calibration including the manufacturer's calibration specifications and dates of calibration shall be kept on site for three years and made available to the District upon request. (Rule 51)
5. Sulfur content sampling shall be conducted on the Carbon in each Activated Carbon System using:
 - ASTM D1619 Method B
 - Calgon Method TM-30
 - or any other equivalent method approved prior to testing in writing by the District
 The sampling shall be done at the middle sampling port of each Carbon Bed. Carbon sampling shall be conducted at least once every 180 days. Records of the dates of Carbon sampling, sampling ports used and test results shall be maintained on-site for at least three years and made readily available to District personnel upon request. (Rule 51)
6. The carbon shall be replaced within 180 days after any sample is taken which indicates the carbon sulfur capacity as indicated below has been reached.

Carbon type	sulfur capacity (%wt)
Centaur HSV	16
NaOH impregnated	25
Granular Activated Carbon (GAC)	4
DARCO H2S Activated Carbon	30

 (Rule 51)
7. The activated carbon material used for replacement of the spent active carbon in either bed of an odor control system shall, at least, have the same contaminant removal capacity as the material specified to the District by the applicant. The submitted specifications indicate an average contaminant removal capacity of (0.14 gram H2S/cc carbon) for NaOH impregnated carbon, (0.09 gram H2S/cc carbon) for 'Centaur HSV' activated carbon, (0.01 gram H2S/cc carbon) for Granular Activated Carbon (GAC), and (0.2 gram H2S/cc carbon) for DARCO H2S activated carbon. (Rule 51)



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8. Records of the carbon manufacturer's hydrogen sulfide removal capacity, the carbon bed sample date, the carbon bed analyses laboratory results, the date(s) of the activated carbon replacement and/or regeneration and the manufacturer specification indicating the type of carbon (NaOH, 'Centaur HSV', Granular Activated Carbon, or DARCO H2S activated carbon) shall be maintained for each carbon bed. These records shall be maintained on site for three years and made readily available to the District personnel upon request. (Rule 51)
9. Spent carbon shall be stored in closed containers pending removal from site. (Rule 51)
10. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
11. Where equipped, process covers or enclosures shall be used at all times except during periods of equipment maintenance. (Rule 51)
12. 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

13. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
14. 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.) (Air Toxics Hot Spots)



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2016-APP-004468

PERMIT ID
APCD2006-PTO-940189


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EQUIPMENT OWNER

City of San Diego - Metropolitan Wastewater Dept Owner Manager 2392 Kincaid Rd, San Diego, CA 92101

EQUIPMENT DESCRIPTION

One (1) raw sludge screening facility consisting of: screens, screw conveyors, hoppers, truck loading area, monitoring equipment and all associated pumps, blowers, piping, ducting and valves. The above operations are controlled by two odor reduction systems. Each odor reduction system consists of: one polishing carbon adsorption vessel (7' diameter). Note: there are two (2) wet scrubbers (32" x 96" x 85") upstream of the carbon adsorption vessels which are by passed and not in use. One (1) raw sludge blending tank (80,000 gallon capacity) which is controlled by a carbon canister (3' diameter). The monitoring equipment consists of: probes, flow meters, visual displays for meters, transmitters, local controllers and computer data logging system.

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 [91A] Miscellaneous

BEC: APCD2014-CON-000829

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Sulfur content sampling shall be conducted at least every 180 days on the carbon in each 7 foot diameter activated carbon system using ASTM-D1619-03 Method B, ASTM-D1619-83 Method B, or Calgon method TM-30 (or any other equivalent method approved in writing and prior to testing by the District). The sampling shall be done at the middle sampling port of each carbon bed. Records of the dates of carbon sampling, sampling ports used and results shall be maintained on site for at least three years and made available to District personnel upon request. (Rule 51)



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2. The carbon shall be replaced within 180 days after any sample is taken which indicates the carbon sulfur capacity as indicated below has been reached.
Carbon type - sulfur capacity (%wt)
Centaur HSV - 16
NaOH impregnated - 25
Granular Activated Carbon (GAC) - 4
[Rule 51]
3. The activated carbon material used for replacement of the spent active carbon of the 7 foot diameter polishing carbon adsorption odor reduction system shall, at least, have the same contaminant removal capacity as the material specified to the district by the applicant. The submitted specifications indicate an average contaminant removal capacity of 0.14 gram H₂S/cc carbon for NaOH-impregnated carbon, 0.09 gram H₂S/cc carbon for 'Centaur HSV' activated carbon, and 0.01 - gram H₂S/cc carbon for Granular Activated Carbon (GAC). (Rule 51)
4. Records of the carbon manufacturer's hydrogen sulfide removal capacity, the carbon bed sample date, the carbon laboratory results, the date(s) of the activated carbon replacement and/or regeneration and the manufacturer specification indicating the type of carbon (NaOH, KOH, 'Centaur HSV or Granular Activated Carbon) shall be maintained for each carbon bed. These records shall be maintained on site for three years and made readily available to the District personnel upon request.
[Rule 51]
5. The 3 foot diameter carbon canister shall be replaced once every five years. Records of the carbon replacement date and the carbon bed adsorption capacity shall be maintained for seven years and made available to District personnel upon request. (Rule 51)
6. Spent carbon shall be stored in closed containers pending removal from site. (Rule 51)
7. Where equipped, process covers or enclosures shall be used at all times except during periods of equipment maintenance. (Rule 51)
8. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
9. The Odor Reduction System(s) (ORS) and its monitoring equipment shall be maintained in good operating condition and shall be in full operation in accordance with the facility Operations and Maintenance (O&M) manual at all times when the process equipment is in operation except during outages not to exceed 374 hours per calendar year. An outage is any period when any component necessary for full operation of the ORS is shut down or malfunctions. Full operation consists of two polishing carbon adsorption vessels in operation. The District must be notified of all outages which exceed 24 hours. Notification must be submitted in writing no later than 2 calendar days after any outage. The O&M manual and logs of the date, duration (in minutes), purpose and type of shutdown shall be maintained on-site for five years from date of entry and shall be made available to District personnel upon request. [Rule 51]
10. 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

11. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
12. 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.) (Air Toxic Hot Spots)



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD Condition Update

PERMIT ID
APCD2008-PTO-961215


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EQUIPMENT OWNER

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EQUIPMENT DESCRIPTION

EMERGENCY ENGINE GENERATOR CATERPILLAR DIESEL ENGINE MODEL 3512B 2200 HP S/N 6WN00136 TURBOCHARGED AND AFTERCOOLED YEAR OF MANUFACTURE 1997. (961215-GDS-1/98) (977109-AFS-6/03) 985522 EFH, NO APP CORRECTION 9/16/08.

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 [34W] Registered Engine (Rule 12)

BEC: APCD2020-CON-001740

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The engine shall be operated exclusively during emergencies as defined in Rule 69.4.1 or Rule 12 or 17CCR93115 as applicable, or for maintenance and testing.
3. Engine operation for maintenance and testing purposes shall not exceed 30 hours per calendar year. (17 CCR 93115, Rule 1200, NSR)
4. This engine shall only use CARB diesel fuel. (Rule 12, Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII)
5. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
6. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)
7. The engine and any associated air pollution control equipment and monitoring equipment shall be operated and maintained in a manner consistent with safety and good air pollution control practices for minimizing emissions (40CFR Subpart ZZZZ §63.6605(b)).



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8. The owner or operator shall minimize engine operating time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.(40CFR Subpart ZZZZ §63.6625(h))
11. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 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, and
 - (c) copy of receipt of new meter or of installation work order.A copy of the meter replacement notification shall be maintained onsite and made available to the Air Pollution Control District upon request.
(Rule 12, Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ)
12. 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. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
 - 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
 - 2) Inspect and clean air filters, replacing as necessary; and
 - 3) Inspect all hoses and belts, replacing as necessary.Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.
(Rule 12, Rule 69.4.1, 40 CFR 63 Subpart ZZZZ)
13. 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) documentation shall be maintained identifying the fuel as CARB diesel, and
 - (b) manual of recommended maintenance provided by the manufacturer, or maintenance procedures specified by the engine servicing company.(Rule 12, Rule 69.4.1, 17 CCR 93115, 40 CFR 63 Subpart ZZZZ)



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD Condition Update

PERMIT ID
APCD2008-PTO-961215


14. The owner or operator of this engine shall maintain a monthly operating log containing, at a minimum, the following:
 - (a) dates and elapsed times of every instance of engine operation based on actual readings of the engine hour meter; whether the operation was for maintenance and testing purposes or emergency use; and the nature of the emergency;
 - (b) if located within 500 feet of a school, the time of day of every instance of engine operation for testing and maintenance, unless the engine emits no more than 0.01 g/bhp-hr of diesel particulate matter or meets the requirements specified in 17CCR, Section 93115.13(f);
 - (c) for a total external power outage, documentation from the serving utility of an outage in the area where the engine is located; for an internal power outage, a description of what caused the failure and receipts and/or work orders for the necessary repairs; for a partial external power outage, including a low-voltage or electrical transient incident in which the external power voltage is low enough to trigger the operation of an emergency standby engine, a description of the incident;
 - (d) total cumulative hours of operation per calendar year;
 - (e) records of annual engine maintenance shall include the date the maintenance was performed and the nature of the maintenance; and
 - (f) hours of operation for all uses other than those specified above and identification of the nature of that use. (Rule 12, Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ)
15. All records required by this permit shall be kept for a minimum of 60 months from their date of creation unless otherwise indicated by the conditions of this permit. These records shall be maintained onsite for a minimum of 36 months from their date of creation and made available to the District upon request. The remaining 24 months of records may be retained off site. Records kept off site shall be made available to the District within 5 working days of request. (Rule 12, Rule 69.4.1, 40 CFR 63 Subpart ZZZZ)
16. 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

2. This engine shall not be used as a part of a non-emergency Demand Response Program (DRP). This condition shall not apply to engines operating pursuant to the rolling blackout reduction program as defined in 17 CCR 93115 and operating in accordance with 17 CCR 93115.6(c). (17 CCR 93115)
9. This engine shall not operate for non-emergency use during the following periods, as applicable:
 - (a) whenever there is any school sponsored activity, if engine is located on school grounds or
 - (b) between 7:30am and 3:30pm on days when school is in session, if the engine is located within 500 feet of, but not on, school grounds.
 This condition shall not apply to an engine located at or near any school grounds that also serve as the students' place of residence. (17 CCR 93115)
10. Engine operation in response to notification of an impending rotating outage shall be subject to all the following restrictions:
 - (a) the utility distribution company has ordered rotating outages in the control area where the engine is located,
 - (b) the engine is operated no more than 30 minutes prior to the time when the utility distribution company officially forecasts a rotating outage in the cited control area, and
 - (c) the engine operation is terminated immediately after the utility distribution company advises that a rotating outage is no longer in effect.
 This condition shall not apply to engines operating pursuant to the rolling blackout reduction program as defined in 17 CCR 93115 and operating in accordance with 17 CCR 93115.6(c). (17 CCR 93115)
17. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
18. 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.)



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2022-APP-007383

PERMIT ID
APCD2009-PTO-950315


City of San Diego
 Associate Chemist Salvador Coria
 2392 Kincaid Rd
 San Diego CA, 92101

EQUIPMENT ADDRESS
 City of San Diego-Metropolitan
 KC Shankles
 1902 Gatchell Road
 San Diego CA 92106

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

City of San Diego Owner Manager 2392 Kincaid Rd, San Diego, CA 92101

EQUIPMENT DESCRIPTION

Anaerobic sludge digestion consisting of: four (4) digester tanks approx 3.5 million gallons each, two (2) digester tanks approx. 3.3 million gallons each, one (1) digester tank approx. 4.2 million gallons, one (1) secondary digester/holding tank approx. 3.0 million gallons and associated mixing and recirculation pumps, gas mixers, heat exchangers, piping, valves and fittings. A portion of the digester gas from above equipment routs to three (3) digester gas fired, enclosed flares, each flare 32' high, 84" diameter. Each flare is equipped with one (1) electronic ignitor, one (1) purge blower, two (2) air dampers (motor operated louvers), two (2) stack thermocouple, optical flame detectors, sampling ports, flame arrestors, automatic shutoff valves and control panel.

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 [56A] Sewage Treatment Facility

BEC: APCD2014-CON-000830

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The flare exhaust concentration of sulfur compounds, calculated as sulfur dioxide (SO₂) shall not exceed 0.05 percent, by volume, on a dry basis. [Rule 53]
2. The total Digester gas consumed at this facility shall not be greater than 1,460 million standard cubic feet per calendar year. This total consumption shall be calculated as the sum of the gas consumed in permits 961168, 961169, 960190, 960191, 960192, and 960193, plus the total digester gas consumed by the flares. Digester gas consumed in the flares shall not exceed 995 million standard cubic feet per calendar year. Records of digester gas consumption shall be maintained on-site for at least three years and made available to District personnel upon request. (Rule 51)



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App ID: APCD2022-APP-007383

PERMIT ID
APCD2009-PTO-950315


3. Functioning non-resettable totalizing flow meter(s) which display and measure standardized volumetric flow rate with an accuracy of + or -5% shall be installed in the digester gas fuel lines to the flare(s), boilers and engines under permits 961168, 961169, 96190, 960191, 960192 and 960193. The totalizing flow meters shall be calibrated in accordance with the manufacturer's specifications. Records of calibration including manufacturer's calibration specifications indicating the flow meter's accuracy and dates of calibration shall be maintained on-site for at least three years and made available to District personnel upon request. (Rule 51)
4. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
5. The maximum daily hydrogen sulfide content in the digester gas shall not exceed 84 ppmv for the months from May through September, and 58 ppmv for the remaining months of the year. (Rule 51)
6. The hydrogen sulfide concentration of the digester gas shall be measured twice per week on two non-consecutive days of operation. If any hydrogen sulfide concentration exceeds 40 ppmv, the sampling frequency will be increased to three days per week, with all samples taken more than 24 hours apart. Sampling three times per week shall continue until the average of the last three samples is under 40 ppmv. Records of hydrogen sulfide concentration and sampling dates shall be maintained on-site for three years and made available to District personnel upon request. (Rule 51)
7. The calendar year average hydrogen sulfide concentrations in the digester gas shall not exceed 40 ppmv. The calendar year average shall be determined using the monthly averages of the H₂S concentrations measured according to the condition above. Records of the calendar year average hydrogen sulfide concentrations shall be maintained on-site for at least three years and made available to District personnel upon request. (Rule 51, NSR)
8. Hydrogen sulfide concentrations shall be measured with a properly calibrated Portable Hydrogen Sulfide Analyzer (such as an Industrial Scientific ATX-612 H₂S or a Jerome Meter Model 631-X), an appropriate drager tube (such as drager tube #8101991) or any equivalent method approved prior to use in writing by the District. The above monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications. The manufacturer's specifications shall be maintained on-site for three years and made available to District personnel upon request. (Rule 51)
9. The flares shall be equipped with optical flame detectors, Stack temperature transmitter, flame arrestors and automatic shut off valves. The stack temperature transmitter shall be calibrated in accordance with the manufacturer's specifications. The manufacturer's specifications and required calibration shall be maintained on-site for three years and made available to District personnel upon request. (Rule 51)
10. The temperature probe shall be functioning and maintained in good working condition and be accurate to +/-5%. The temperature transmitter shall be calibrated in accordance with the manufacturer's specifications. The Exhaust Stack temperature shall be continuously displayed and recorded during incineration. Records of the exhaust temperature and the manufacturer's calibration and maintenance specifications as well as the calibration indicating the accuracy of the temperature transmitter shall be maintained on-site for at least three years and shall be made available to District personnel upon request. (Rule 51)
11. The Digester gases shall be incinerated in the flare system and shall have an operating temperature between 1,400° and 1,800° F measured at the top temperature probe and shall have a residence time of no less than 0.6 seconds except:
 - 1) During flare startup and/or during multiple flare transitions, the duration of which shall not exceed 15 minutes.
 - 2) During times, other than flare startup or transition, the duration of which shall not exceed 36 minutes per day, and shall not exceed 222 hours per calendar year for each flare.

Logs of the date, duration (in minutes), and reasons for all periods when the flare exhaust temperature deviates from the above range for more than 5 consecutive minutes, shall be maintained on-site for three years and made available to the District personnel upon request. (Rule 51)



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2022-APP-007383

PERMIT ID
APCD2009-PTO-950315


- 12. Air Pollution Control equipment shall be maintained in good operating condition and shall be in operation in accordance with Operation and Maintenance (O&M) manual at all times when the process equipment is in operation except during outages. An outage is any period when any component necessary for full operation of the digesters and flares is shut down or malfunctions. The District must be notified of all outages that exceed 24 hours. The permittee shall keep a copy of the O&M manual and logs of date, duration, purpose and type of outage on-site and make these records available to the District upon request. (Rule 51)
- 17. 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

- 13. There shall be no release of uncontrolled emissions of digester gas throughout the Plant, except for releases described by the manufacturer design specifications and that occur during construction, repair and routine preventive maintenance including the following:
 - 1. Sixteen (16) pressure relief valves (PRVs) with a maximum leakage rate of <1 cubic feet per hour (CFH) at 90% set point (10.8" W.C. per API 2521), will vent when pressurized over 12" W.C. The PRVs shall return to seating immediately when pressure is reduced to below 12" W.C."
 - 2. Seventeen (17) gas compressors shall vent when in operation
 - 3. Preventative maintenance on gas pipelines
 - 4. Digester start-up/shutdown.
 - 5. Low pressure gas holding tank start-up/shutdown/maintenance
 - 6. Sampling gas for sulfide analysis per APCD requirements
 - 7. Maintenance activities and equipment repair or replacement.
 - 8. Operation/instrumentation verification
 - 9. Minor modifications or retrofit of existing equipment
 - 10. Transition between fuel consumption equipment


Uncontrolled emissions over 10,000 ppmv (as methane) from other equipment not mentioned above is not allowed at any time during normal equipment operation.
(Rule 51)

- 14. The system shall be inspected for leaks on a weekly basis. Any uncontrolled leaks shall have corrective action started within 24 hours, corrected in 48 hours of detecting the leak, unless safety protocols require longer corrective action, in which case the safety protocol should be followed and the leak corrected when safe to do so. Logs of location of the leak, date of detection, leak concentration, corrective action taken, date corrected, and reinspection measurement shall be maintained on-site for three years and made available to the District personnel upon request.
- 15. With the exception of leaks detected under Condition 13 above there shall be no repeatable measured leaks above 10,000 ppmv (as methane) (Rule 51).
- 16. Leak monitoring shall be conducted using either an organic vapor analyzer, flame ionization detector, or any equivalent method approved prior to use in writing by the District. The above monitoring equipment shall be maintained and calibrated in accordance with manufacturer's specifications. The manufacturer's specifications shall be maintained on-site and made available to District personnel upon request. (Rule 1200)
- 18. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
- 19. 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.) (Air Toxic Hot Spots)



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2014-APP-003702

PERMIT ID
APCD2015-PTO-002381


City of San Diego
 Associate Chemist Salvador Coria
 2392 Kincaid Rd
 San Diego CA, 92101

EQUIPMENT ADDRESS
 City of San Diego-Metropolitan
 KC Shankles
 1902 Gatchell Road
 San Diego CA 92106

PERMIT TO OPERATE

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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

SD City of Metro Wastewater Dept Owner Manager 2392 Kincaid Rd, San Diego, CA 92101

EQUIPMENT DESCRIPTION

Five (5) prime diesel engines (ATCM portable): each engine rated up to 100 bhp, Tier 4 certified.

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: 2 [34G] Engine for Non-Emergency and Non-Cogeneration Operation
 3 [34G] Engine for Non-Emergency and Non-Cogeneration Operation

BEC: APCD2015-CON-001079

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

3. Each engine shall have an original manufacturer label containing the following information: make, model, family number and serial number. [Rule 10]
4. Each engine shall not operate at this location for more than 960 hours per calendar year, as evidenced by operational log records. Engine identifications (Make, Model, Serial Number, PERP Number), hours of operation and hour meter readings shall be recorded on each day of engine usage. [Rule 20.3, Rule 1200]
5. This engine shall use only carb diesel fuel. [Rule 69.4.1, 17 CCR 93116]
6. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. [Rule 50]



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2014-APP-003702

PERMIT ID
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7. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced when the emission unit is operating on site, 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 onsite and made available to the Air Pollution Control District upon request.
 [Rule 69.4.1; 17CCR 93116]

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

10. The owner or operator 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. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
 - 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
 - 2) Inspect and clean air filters, replacing as necessary; and
 - 3) Inspect all hoses and belts, replacing as necessary.
 Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.
 (Rule 12, Rule 69.4.1, 40 CFR 63 Subpart ZZZZ)

13. 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. [Rules 69.4 and 69.4.1]

15. 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

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

2. This engine shall be certified to meet the Federal or California tiered emission standard for non-road engines as shown in the equipment description above. (17 CCR 93116)

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



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2014-APP-003702

PERMIT ID
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11. This engine, as part of the fleet that it is included in, shall comply with the fleet averaging standards of 17CCR 93116. A copy of the most recent compliance statement submitted to the California Air Resources Board under 17CCR 93116 shall be provided to District personnel upon request. (17CCR 93116)
12. 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. documentation shall be maintained identifying the fuel as carb diesel.
 - b. manual of recommended maintenance provided by the manufacturer, or maintenance procedures specified by the engine servicing company;
 - c. records of periodic inspections, including the date the inspection was performed; and
 - d. records of annual engine maintenance, including the date the maintenance was performed and the nature of the maintenance.These records shall be made available to the Air Pollution Control District upon request. (Rule 69.4.1)(17 CCR 93116)
14. The Responsible Official of a fleet shall provide the following reports to the CARB Executive Officer:
 - a. By March 1st of each calendar year submit a report including the permit or registration number of each low-use engine; hour meter readings at the beginning and end of the previous calendar year for each low use engine.
 - b. For large fleets subject to section 93116.3(c)(2), a statement of compliance that the fleet standards are being achieved and a summary that identifies each portable engine registration number, bhp rating, engine family name, serial number, year of manufacture and the associated emission rate (g/bhp-hr). Alternative-fueled engines must be identified by fuel type.
The statements of compliance are due to the Executive Officer at the following times:
 - i. Upon application to add an engine to the fleet for any Tier 1 engine, Tier 2 engine, Tier 3 engine, including flexibility engines built to those standards.
 - ii. Upon a request to remove a Tier 4 interim engine or a Tier 4 final engine from a fleet, except for engine dealers and rental businesses.
 - iii. March 1, 2020, for the fleet standards that become effective January 1, 2020; and
 - iv. March 1, 2023, for the fleet standards that become effective January 1, 2023; and
 - v. March 1, 2027 for the fleet standards that become effective January 1, 2027.(17 CCR 93116.4)
16. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
17. 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.)



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2014-APP-003811

PERMIT ID
APCD2016-PTO-002649


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PERMIT TO OPERATE

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EQUIPMENT OWNER

City of San Diego - Metropolitan Wastewater Dept Owner Manager 2392 Kincaid Rd, San Diego, CA 92101

EQUIPMENT DESCRIPTION

Prime Diesel Engine (Low-Use, ATCM Portable): Isuzu, Model AP-4JJ1T, 69.7 BHP, S/N 4JJ1-183573, Model Year 2014, Tier 4 Certified, Engine Family No. ESZXL03.0PTA, driving a dewatering pump.

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 [34G] Engine for Non-Emergency and Non-Cogeneration Operation
 BEC: APCD2016-CON-001232

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

- 3. Each engine shall have an original manufacturer label containing the following information: make, model, family number and serial number. [Rules 69.4, 69.4.1]
- 5. This engine shall use only carb diesel fuel. (Rule 69.4.1, 17 CCR 93116)
- 6. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)



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Sectors: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2014-APP-003811

PERMIT ID
APCD2016-PTO-002649


8. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced when the emission unit is operating on site, 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 onsite and made available to the Air Pollution Control District upon request.
(Rule 69.4.1)(17CCR 93116)

9. The owner or operator of this engine shall conduct periodic maintenance of the engine and add-on control equipment, if any, as recommended by the engine and control equipment manufacturers or as specified by the engine servicing company's maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
 - 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
 - 2) Inspect and clean air filters, replacing as necessary; and
 - 3) Inspect all hoses and belts, replacing as necessary.Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.
(Rule 12, Rule 69.4.1, 40 CFR 63 Subpart ZZZZ)

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

14. 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]



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: 3, I
Site ID: APCD1976-SITE-02083
App ID: APCD2014-APP-003811

PERMIT ID
APCD2016-PTO-002649


B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

1. This permit authorizes operation only at the stationary sources listed below. This engine shall be operated as a portable unit as defined by the Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater. This permit does not preclude off-site operations under a valid registration issued by the California Air Resources Board (CARB) under the Portable Equipment Registration Program (PERP). (17CCR93116).
Point Loma Wastewater Treatment Plant (APCD1976-SITE-02083)
Pump Station 1 (APCD2012-SITE-00979)
Pump Station 2 (APCD1990-SITE-07804)
Pump Station 64 (APCD1993-SITE-08801)
Pump Station 65 (APCD2012-SITE-08505)
Grove Avenue Pump Station (APCD1998-SITE-10415)
Otay River Pump Station (APCD199-SITE-10755)
East Mission Gorge Pump Station (APCD1991-SITE-08104)
Penasquitos Pump Station (APCD1994-SITE-09038)
North City Water Reclamation Plant (APCD1991-SITE-08439)
South Bay Water Reclamation Plant (APCD1996-SITE-09652)
Metro Biosolids Center (APCD1994-SITE-07517)
2. This engine shall be certified to meet the Federal or California tiered emission standard for non-road engines as shown in the equipment description above. (17 CCR 93116)
4. If designated as an Emergency Engine in the above equipment description, the engine shall be operated exclusively in emergency applications except for up to 50 hours per year for maintenance and testing. If designated as a Low-Use Engine in the above equipment description, the engine shall be operated 80 hours or less each calendar year. (17CCR 93116)
7. This equipment shall not be operated within 1000 feet of any K-12 school unless California Health and Safety Code Section 42301.6 is met.
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. documentation shall be maintained identifying the fuel as carb diesel.
 - b. manual of recommended maintenance provided by the manufacturer, or maintenance procedures specified by the engine servicing company;
 - c. records of periodic inspections, including the date the inspection was performed; and
 - d. records of annual engine maintenance, including the date the maintenance was performed and the nature of the maintenance.These records shall be made available to the Air Pollution Control District upon request. (Rule 69.4.1)(17 CCR 93116)



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12. The Responsible Official of a fleet shall provide the following reports to the CARB Executive Officer:
 - a. By March 1st of each calendar year submit a report including the permit or registration number of each low-use engine; hour meter readings at the beginning and end of the previous calendar year for each low use engine.
 - b. For large fleets subject to section 93116.3(c)(2), a statement of compliance that the fleet standards are being achieved and a summary that identifies each portable engine registration number, bhp rating, engine family name, serial number, year of manufacture and the associated emission rate (g/bhp-hr). Alternative-fueled engines must be identified by fuel type.
The statements of compliance are due to the Executive Officer at the following times:
 - i. Upon application to add an engine to the fleet for any Tier 1 engine, Tier 2 engine, Tier 3 engine, including flexibility engines built to those standards.
 - ii. Upon a request to remove a Tier 4 interim engine or a Tier 4 final engine from a fleet, except for engine dealers and rental businesses.
 - iii. March 1, 2020, for the fleet standards that become effective January 1, 2020; and
 - iv. March 1, 2023, for the fleet standards that become effective January 1, 2023; and
 - v. March 1, 2027 for the fleet standards that become effective January 1, 2027.(17 CCR 93116.4)
13. Records of annual engine use shall be maintained at a central place of business for five years. These records shall clearly identify each portable engine subject to the recordkeeping requirement as well as the annual hours of operation. These records are to be made available, upon request for inspection, to local air pollution control district or CARB personnel. These records shall be provided to the appropriate personnel within ten business days of request. (17 CCR 93116)
15. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
16. 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.)



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City of San Diego
 Associate Chemist Salvador Coria
 2392 Kincaid Rd
 San Diego CA, 92101

EQUIPMENT ADDRESS
 City of San Diego-Metropolitan
 KC Shankles
 1902 Gatchell Road
 San Diego CA 92106

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

City of San Diego - Metropolitan Wastewater Dept Owner Manager 2392 Kincaid Rd, San Diego, CA 92101

EQUIPMENT DESCRIPTION

Prime Diesel Engine (Low-Use, ATCM Portable): Isuzu, Model AP-4JJ1T, 69.7 BHP, S/N 4JJ1-183576, Model Year 2014, Tier 4 Certified, Engine Family No. ESZXL03.0PTA, driving a dewatering pump.

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 [34G] Engine for Non-Emergency and Non-Cogeneration Operation
 BEC: APCD2016-CON-001232

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

3. Each engine shall have an original manufacturer label containing the following information: make, model, family number and serial number. [Rules 69.4, 69.4.1]
5. This engine shall use only carb diesel fuel. (Rule 69.4.1, 17 CCR 93116)
6. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
8. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced when the emission unit is operating on site, 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 onsite and made available to the Air Pollution Control District upon request.
 [Rule 69.4.1; 17CCR 93116]



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15. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
16. 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 Liquid 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 Liquid 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 Indus	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
CCCCC	Gasoline Dispensing Facilities
HHHHHH	Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources
JJJJJ	Area Sources: Industrial, Commercial, and Institutional Boilers
QQQQQ	Wood Preserving Area Sources
VVVVV	Chemical Manufacturing Area Sources
WWWWW	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