



San Diego County
**Air Pollution
Control District**

10124 Old Grove Rd. San Diego California 92131-1649
(858) 586-2600 Fax (858) 586-2601
www.sdapcd.org

**TITLE V OPERATING PERMIT
APCD2003-TVP-972673**

Issued To:

City of San Diego Environmental Services Department, Metropolitan Biosolids Center
Site ID # APCD1994-SITE-07517

Site Address:

5240 Convoy St.
San Diego, CA 92111
(858) 654-5832

Mailing Address

2392 Kincaid Road
San Diego, CA 92101

Responsible Officials:

Juan Guerreiro, Director, Public Utilities Department

Lisa Celaya, Executive Assistant Director, Public Utilities Department

Doug Campbell, Water Recovery & Pure Water Branch Assistant Director, Public Utilities Department

Timothy Carroll, Wastewater Treatment Deputy Director, Public Utilities Department

Facility Contact: Beau Williams, Wastewater Treatment Superintendent, Public Utilities Department

Permit Information Contact: Wendy Johnson, Senior Environmental Scientist, Public Utilities Department

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

This Title V Operating Permit expires on _____.

Signed by: _____

Mohsen Nazemi, MS, PE.

Chief, Engineering Division

San Diego County Air Pollution Control District

_____ Date

TABLE OF CONTENTS

	PAGE
PREAMBLE	1
SECTION I. REGULATION XIV PERMIT REQUIREMENTS	2
A. ADMINISTRATIVE PERMIT TERMS	2
B. RENEWAL REQUIREMENTS AND TERMS	2
C. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS	3
D. GENERAL PERMIT REQUIREMENTS	4
SECTION II. FACILITY-WIDE REQUIREMENTS	5
A. GENERAL PERMIT PROGRAM APPLICABLE REQUIREMENTS	5
B. GENERAL PROHIBITORY APPLICABLE REQUIREMENTS	5
C. PERMIT SHIELDS	6
D. ADDITIONAL TERMS	6
E. TITLE IV PERMIT (ACID RAIN)	6
SECTION III. EMISSION UNIT REQUIREMENTS	7
A. DISTRICT PERMITTED EMISSION UNITS	7
B. REGISTERED AND LEASED EMISSION UNITS	7
C. INSIGNIFICANT EMISSION UNITS AND ACTIVITIES	7
SECTION IV. DISTRICT ONLY VARIANCE PROCEDURES	8
SECTION V. APPENDICES	9
A. DISTRICT PERMITS AND REGISTERED UNITS	A-1
B. RULE REFERENCE TABLE	B-1
C. ABBREVIATIONS	C-1

PREAMBLE

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

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

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

SD Air Pollution Control District
10124 Old Grove Rd
San Diego, CA 92131-1649
(858) 586-2600

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

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

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

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

USEPA Region IX
ECAD Attn: ENF 2-1
75 Hawthorne Street
San Francisco, CA 94105

SECTION I. REGULATION XIV PERMIT REQUIREMENTS

A. ADMINISTRATIVE PERMIT TERMS

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

B. RENEWAL REQUIREMENTS AND TERMS

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

C. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS

1. The permittee shall provide the District access to the facility and all equipment subject to this permit, and access to all required records pursuant to California Health and Safety Code Section 41510. [Rule 1421]
2. The permittee shall maintain all records required by this permit including any calibration, maintenance, and other supporting information and copies of all reports required by this permit for at least five (5) years from their date of creation. Such records shall be maintained on-site for a minimum of three years. This requirement controls and supersedes any other record retention requirement under this permit as it pertains to, and is required by, District Rule 1421 and Title V of the Clean Air Act. [Rule 1421]
3. Records required by this permit shall be considered as being maintained "on-site" if records for the previous 12-month period are available at the stationary source and any additional records are maintained at a location to be specified by the source and made readily available to the District upon request. [Rule 21]
4. The permittee shall submit monitoring and recordkeeping summary reports and all other monitoring and recordkeeping reports required by this permit to the District every six months, unless a shorter time frame is required by a specific permit condition contained in Section III of this permit. Unless other dates are specified in Section III, reports for data required to be collected from January 1 through June 30, shall be submitted no later than September 1 of the calendar year, and reports for data required to be collected from July 1 through December 31, shall be submitted no later than March 1 of the following calendar year. The report for the final six months of the year may be consolidated with the annual compliance certification required below. All instances of noncompliance from federally enforceable applicable requirements shall be clearly identified in these reports. (Timely completion of District Certification Reports Form 1401-J1 and Form 1401-J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421]
5. Each calendar year, the permittee shall submit to the District and to the federal EPA an annual compliance certification, in a manner and form approved in writing by the District, for the previous calendar year that includes the identification of each applicable term or condition of the final permit for which the compliance status is being certified, the compliance status and whether the facility was in continuous or intermittent compliance during the previous calendar year, identification of the method used to determine compliance during the previous calendar year, and any other information required by the District to determine the compliance status. The annual compliance certification for a calendar year shall be submitted no later than March 1 of the following calendar year and may be consolidated with the monitoring and recordkeeping report for the last six months of the year for which compliance is certified. (Timely completion of District Certification Reports Form 1401-J1 and Form 1401-J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421]
6. Any report submitted to the District or federal EPA pursuant to this permit to comply with a federally enforceable applicable requirement, shall be certified by a responsible

official stating that, based on information and belief formed after reasonable inquiry, the report is true, accurate and complete. [Rule 1421]

7. The permittee shall make any trade secret designations of records, documents, or other information submitted to the District or federal EPA in accordance with District Rule 176. [Rule 176]
8. The permittee shall report all deviations from any and all federally enforceable permit terms and conditions including: (a) breakdowns, whether or not they result in excess emissions, (b) deviations that result in excess emissions of any regulated air pollutant, and (c) deviations from monitoring, recordkeeping, reporting and other administrative requirements that do not result in excess emissions. For deviations that result from breakdowns under District Rule 98, the permittee shall report the 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]

D. GENERAL PERMIT REQUIREMENTS

1. The permittee shall comply with all terms and conditions of this permit. This permit consists of this document and Appendices A, B and C. Any noncompliance with the federally applicable terms and conditions of this permit shall constitute a violation of the federal Clean Air Act. Noncompliance with any federally applicable permit term or condition of this permit is grounds for federal enforcement action or enforcement action by the District; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. Noncompliance with any District permit term or condition is grounds for enforcement action by the District. [Rule 1421]
2. Upon a written request by the District, the permittee shall furnish to the District any information needed to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit; any information required to determine compliance with this permit; or any records required to be maintained pursuant to this permit. Such information shall be provided within a reasonable time, as specified within the District's written request. [Rule 1421]
3. The permittee shall pay annual fees in accordance with District Rule 40. [Rule 1421]
4. The permittee shall provide access, facilities, utilities and any necessary safety equipment for source testing and inspection upon request from the District. [Rule 19]
5. This permit shall be maintained on-site at all times and be made available to the District upon request. [Rule 1410]

6. The Rule Reference Table provided in Appendix B shall be used to determine whether a cited rule is a federally and District enforceable requirement or a District only enforceable requirement. Any new or revised District rule shall not be considered federally enforceable until the rule is approved by EPA into the SIP. In cases where SIP approval is pending for a revised District rule, the rule citation shall refer to both the current SIP approved rule and the revised District rule. [Rule 1421]

SECTION II. FACILITY-WIDE REQUIREMENTS

A. GENERAL PERMIT PROGRAM APPLICABLE REQUIREMENTS

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

Regulation	Rule Citation	Title
SDCAPCD Reg. II	10(a) 10(b)	Permits Required – (a) Authority to Construct Permits Required – (b) Permit to Operate
SDCAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDCAPCD Reg. II	19.3	Emission Information
SDCAPCD Reg. II	20.1-20.4	New Source Review
SDCAPCD Reg. II	21	Permit Conditions
SDCAPCD Reg. II	24	Temporary Authority to Operate
SDCAPCD Reg. IV	60	Circumvention
SDCAPCD Reg. V	98***	Breakdown Conditions: Emergency Variance
SDCAPCD Reg. VI	101	Burning Control
SDCAPCD Reg. VIII	131	Stationary Source Curtailment Plan

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	69.2	Boilers
SDCAPCD Reg. X	40 CFR 60 Subpart A	NSPS General Provisions
SDCAPCD Reg. XI	40 CFR 63 Subpart A	NESHAP General Provisions
SDCAPCD Reg. XII	1200**	Toxic Air Contaminants – New Source Review
SDCAPCD Reg. XII	1206*	Asbestos Removal, Renovation, and Demolition
40 CFR Part 60	Subpart III	Stationary Compression Ignition Combustion Engines
40 CFR Part 60	Subpart Dc	Steam Generators >10MM BTU<100 MM BTU
40 CFR Part 61	Subpart M*	NESHAP - Asbestos
California Code of Regulations (CCR) Title 17	93115.1**	Stationary Diesel Airborne Toxic Control Measure (ATCM)

**District Rule 1206 is equally or more stringent than NESHAP Subpart M; however in the event of changes in either rule, the most stringent requirement applies.*

***Not federally enforceable*

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

C. PERMIT SHIELDS

The permittee has not requested any 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. The permittee shall comply with all applicable requirements, including but not limited to, those applicable requirements of 40 CFR Parts 60 and 63.

SECTION III. EMISSION UNIT REQUIREMENTS

A. 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
APCD2018-PTO-002990	Up to 5 prime use diesel engines
APCD2003-PTO-931028	Natural Gas Boiler
APCD2003-PTO-931027	Natural Gas Boiler

APCD2006-PTO-931030	Sludge Digesters
APCD2009-PTO-931032	Sludge Processing Operation
APCD2009-PTO-931031	Wastewater Pump Station
APCD2006-PTO-972499	Emergency Engine
APCD2006-PTO-972498	Emergency Engine
APCD2006-PTO-972500	Emergency Engine

B. REGISTERED AND LEASED EMISSION UNITS

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

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	52	Particulate Matter
SDCAPCD Reg. IV	53	Specific Contaminants
SDCAPCD Reg. IV	54	Dust and Fumes
SDCAPCD Reg. IV	62	Sulfur Content of Fuels
SDCAPCD Reg. IV	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 (no insignificant units were listed in the permittee’s application).

SECTION IV. DISTRICT-ONLY PROVISIONS

VARIANCE PROCEDURES

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

SECTION V. APPENDICES

APPENDIX A: EMISSION UNITS – SPECIFIC CONDITIONS

EU Reference	Source
APCD2018-PTO-002990	Up to 5 prime use diesel engines
APCD2003-PTO-931028	Natural Gas Boiler
APCD2003-PTO-931027	Natural Gas Boiler
APCD2006-PTO-931030	Sludge Digesters
APCD2009-PTO-931032	Sludge Processing Operation
APCD2009-PTO-931031	Wastewater Pump Station
APCD2006-PTO-972499	Emergency Engine
APCD2006-PTO-972498	Emergency Engine
APCD2006-PTO-972500	Emergency Engine



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Sectors: 4, M
Site ID: APCD1994-SITE-07517
App ID: APCD1994-APP-931028

PERMIT ID
APCD2003-PTO-931027


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

EQUIPMENT ADDRESS
 SD City of Metro Wastewater
 Skyla Wallmann
 5240 Convoy St
 San Diego CA 92111

PERMIT TO OPERATE

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

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

EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

BOILER: 10.5 MM BTU/HOUR, SUPERIOR BOILER WORKS INC., MODEL MS4-X-1250, S/N 13211, WITH FORCED DRAFT BURNER, FLUE GAS RECIRCULATION, FIRED ON NATURAL GAS ONLY, OPERATED LESS THAN 220,000 THERMS PER YEAR. EAD 931027 10/11/00

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: 11828

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 record on a monthly basis the natural gas fuel usage for the boiler and maintain a record of the days the boiler was operated and the average amount of natural gas combusted each day of operation. The average amount of natural gas combusted each day of operation shall be calculated by dividing the natural gas fuel usage for the boiler for the month by the number of days during the month that the boiler was operated. These records shall be maintained on-site for a period of at least 5 years and shall be made readily available to the District upon request. (40 CFR 60.48(c))
2. If emissions from this facility cause a violation of District Rule 51 (nuisance), Permittee shall take such steps as are deemed necessary by the District to eliminate the nuisance violation.
3. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions. These instructions shall be kept onsite. [Rule 69.2]
4. All records required by this Permit, including fuel usages and tune-up documentation, shall be maintained on site for a minimum of three years and made available to District personnel upon request. [Rule 69.2]
5. The Flue Gas Recirculation System shall be operated in accordance with the manufacturer's instructions when the equipment is in operation. [Rule 69.2, 20.2]



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PERMIT ID
APCD2003-PTO-931027


6. Only natural gas shall be used as fuel in this boiler. [Rule 69.2, 20.2]
7. Natural gas consumption shall not exceed 220,000 therms per calendar year (amount equal to 20.95 million cubic feet per calendar year). [Rule 69.2, 20.2]
8. This boiler shall be tuned at least once per calendar year in accordance with the tuning procedure in rule 69.2 section (j), or in accordance with the manufacturer's recommended tuning procedure. [Rule 69.2]
9. The boiler shall be equipped with a non-resettable totalizing fuel meter installed in the fuel line to the boiler to measure the volumetric flow rate of fuel to the boiler. This meter shall be properly maintained and kept in good operating condition at all times. [Rule 69.2, 20.2]
10. The fuel sulfur content, calculated as hydrogen sulfide, shall not exceed 10 grains per 100 standard cubic feet of gaseous fuel. [Rule 20.2, 62]
11. If requested by the District or EPA the sulfur content of fuel shall be measured in accordance with ASTM test method D3246. (Rule 53)
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.) [Rule 1210]



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Sectors: 4, M
Site ID: APCD1994-SITE-07517
App ID: APCD2020-APP-006321

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

EQUIPMENT ADDRESS
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 Skyla Wallmann
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EQUIPMENT OWNER

SD City of Metro Wastewater Biosolids Center Skyla Wallmann 5240 Convoy, N/A ,

EQUIPMENT DESCRIPTION

BOILER: 10.5 MM BTU PER HOUR, SUPERIOR BOILER WORKS INC. MODEL MS4-X-1250, S/N 13212, WITH FORCED DRAFT BURNER, FLUE GAS RECIRCULATION, AND FIRED ON NATURAL GAS ONLY. OPERATED < 220,000 THERMS PER YEAR. EAD 931028 10/11/00

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: 11828

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 record on a monthly basis the natural gas fuel usage for the boiler and maintain a record of the days the boiler was operated and the average amount of natural gas combusted each day of operation. The average amount of natural gas combusted each day of operation shall be calculated by dividing the natural gas fuel usage for the boiler for the month by the number of days during the month that the boiler was operated. These records shall be maintained on-site for a period of at least 5 years and shall be made readily available to the District upon request. (40 CFR 60.48(c))
2. If emissions from this facility cause a violation of District Rule 51 (nuisance), Permittee shall take such steps as are deemed necessary by the District to eliminate the nuisance violation.
3. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions. These instructions shall be kept onsite. [Rule 69.2]
4. All records required by this Permit, including fuel usages and tune-up documentation, shall be maintained on site for a minimum of three years and made available to District personnel upon request. [Rule 69.2]
5. The Flue Gas Recirculation System shall be operated in accordance with the manufacturer's instructions when the equipment is in operation. [Rule 69.2, 20.2]



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App ID: APCD2020-APP-006321

PERMIT ID
APCD2003-PTO-931028


6. Only natural gas shall be used as fuel in this boiler. [Rule 69.2, 20.2]
7. Natural gas consumption shall not exceed 220,000 therms per calendar year (amount equal to 20.95 million cubic feet per calendar year). [Rule 69.2, 20.2]
8. This boiler shall be tuned at least once per calendar year in accordance with the tuning procedure in rule 69.2 section (j), or in accordance with the manufacturer's recommended tuning procedure. [Rule 69.2]
9. The boiler shall be equipped with a non-resettable totalizing fuel meter installed in the fuel line to the boiler to measure the volumetric flow rate of fuel to the boiler. This meter shall be properly maintained and kept in good operating condition at all times. [Rule 69.2, 20.2]
10. The fuel sulfur content, calculated as hydrogen sulfide, shall not exceed 10 grains per 100 standard cubic feet of gaseous fuel. [Rule 20.2, 62]
11. If requested by the District or EPA the sulfur content of fuel shall be measured in accordance with ASTM test method D3246. (Rule 53)
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.) [Rule 1210]



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Site ID: APCD1994-SITE-07517
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PERMIT ID
APCD2006-PTO-931030


SD City of Metro Wastewater Dept
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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

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

EQUIPMENT DESCRIPTION

Three (3) anaerobic sludge digesters (2.9 million gallon capacity each) and associated pumps, chemical feed systems, piping, valves and fittings. Two (2) 1.3 million gallon bio solids storage tanks with associated piping and equipment; biogas manual and automatic pressure/vacuum release valves. One (1) 25,000 cubic feet biogas holding tank with two (2) compressors. Biogas from the above equipment that is not routed to an on site privatized co-generator regulated under separate permits is vented to a flare system designed for 650 cubic feet biogas per minute at 500 Btu per cubic foot with two (2) enclosed ground flares equipped with optical flame detectors, automatic shut off valves, stack thermocouples, flame arrestors and sampling ports.

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: APCD2015-CON-001039

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. 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]
2. 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(d)(1)]
3. The daily hydrogen sulfide (H₂S) content in the digester gas shall not exceed 265 ppmv as measured in accordance with this permit as a means of demonstrating compliance with the sulfur compound limits of District Rule 53. [Rule 53(d)(1)]



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Sectors: 4, M
Site ID: APCD1994-SITE-07517
App ID: APCD2020-APP-006321

PERMIT ID
APCD2006-PTO-931030



4. 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 shall 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, sampling dates, and any other relevant information shall be maintained on site for three years and made available to District personnel upon request. [Rule 53]
5. At least one flare shall be maintained in good operating condition and available for operation at all times in accordance with the facility Operations and Maintenance (O&M) Manual, except during any outages. An outage is any period when any component necessary for full operation of the digesters and flares is shut down or malfunctions. [Rule 51]
6. The total gas utilized by the flares shall not exceed 74 million cubic feet per calendar year. Records of the annual usage of gas (in million standard cubic feet) shall be maintained on site for at least three years and shall be made available to district personnel upon request. [Rule 51]
7. If the hydrogen sulfide content measured in the digester gas exceeds 75 parts per million by volume (ppmv H₂S) the maximum amount of digester gas allowed to be flared on that day shall be calculated by dividing 60,798,706 by the measured ppmv H₂S (cubic feet of digester gas allowed to be flared per day = 60,798,706 cubic feet of digester gas to flare ppmv H₂S/ppmv H₂S measured). If the H₂S content in the digester gas is less than 75 ppmv the amount of digester gas flared shall be limited to 607,987 cubic feet per day. [Rule 51]
8. Upon request of a District representative the permittee shall measure the hydrogen sulfide content of the digester gas and/or provide a gas sample for compliance verification. [Rule 53(d)(1)]
9. Hydrogen sulfide concentrations shall be measured with a properly calibrated portable hydrogen sulfide analyzer (such as an Industrial Scientific ATX-612 H₂S, a Jerome Meter Model 631-X or equivalent), an appropriate drager tube (such as drager tube #8101831 or equivalent) 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 53]
10. 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]
11. All digester gas shall be routed to a District approved combustion system for incineration. The flare combustion temperature measured at least 5 feet from the burner shall be maintained between 1,400 °F and 1,800 °F except:
 - 1) During flare startup and/or during multiple flare transitions, the duration of which shall not exceed 15 minutes.
 - 2) During outages, other than flare startup or transition, the duration of which shall not exceed 36 minutes per day and 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 shall be maintained on-site for three years and made available to the District upon request. (Rule 51)
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 any outages. An outage is any period when any component necessary for full operation of the flares is shut down or malfunctions. The permittee shall keep a copy of the O&M manual on-site and make the manual available to the District upon request. [Rule 51]
13. Each flare shall be equipped with a combustion temperature transmitter capable of measuring the combustion zone temperature of the flare. Each temperature transmitter shall be located on the probe in the flare at least 5 feet above the burner and shall be calibrated biennially to ensure accuracy to +/-5%. The exhaust stack temperature shall be continuously displayed and recorded during incineration. Combustion temperature and monitoring instrument calibration documentation shall be maintained onsite for 3 years from date of measurement or calibration and shall be available to District representatives upon request. [Rule 51]



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14. If source testing is requested by the District, flare exhaust concentrations of sulfur compounds shall be measured in accordance with EPA Methods 6(C) and 16 and particulate emissions shall be measured in accordance with District Method 5. [Rule 51]
15. The subject equipment shall not release uncontrolled emissions of Biogas, except releases described by the manufacturer design specifications and occur during construction, repair and routine preventative maintenance. The "Preventative Maintenance Reference Table for the City of San Diego Metro Biosolids Center Permit 931030" dated June 29, 2016 shall be used as a guideline. [Rule 21]
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. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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.) [Rule 1210]



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SD City of Metro Wastewater Dept
 Facility Manager
 2392 Kincaid Rd
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EQUIPMENT ADDRESS
 SD City of Metro Wastewater
 Facility Manager
 5240 Convoy St
 San Diego CA 92111

PERMIT TO OPERATE

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

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

EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

EMERGENCY ENGINE GENERATOR, 199 HP CATERPILLAR DIESEL, MODEL 3304 BT, S/N 83Z10261. APPL# 972498
 EFH 06/99 17CCR93115 SJE 01/06

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-001738

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

2. This engine shall only be operated for the purposes described under the definition of an Emergency stationary internal combustion engine in 40 CFR 63.6675, including not operating the engine for testing and maintenance purposes in excess of 100 hours per calendar year. (40 CFR Part 63 Subpart ZZZZ)
3. 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, 40 CFR 63.6640(f)(4))
4. Engine operation for maintenance and testing purposes shall not exceed 20 hours per calendar year. (17 CCR 93115, Rule 1200, Rule 20.2)
5. This engine shall only use CARB diesel fuel. (Rule 12, Rule 69.4.1, 17 CCR 93115)
6. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
8. 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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App ID: APCD2020-APP-006321

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APCD2006-PTO-972498


9. 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))
12. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. (Rule 12, 69.4.1, 17 CCR 93115, 40 CFR 63 Subpart ZZZZ)
14. 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)
15. 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)
16. 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 63 Subpart ZZZZ)
17. 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)



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Sectors: 4, M
Site ID: APCD1994-SITE-07517
App ID: APCD2020-APP-006321

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APCD2006-PTO-972498


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

B. DISTRICT-ONLY 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.
7. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)
10. 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)
11. 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)
13. If an hour 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)
19. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
20. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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PERMIT TO OPERATE

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

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

EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

EMERGENCY ENGINE GENERATOR, 113 HP JOHN DEERE DIESEL ENGINE, MODEL 4045TF250, S/N CD4045T501837. APPL# 972499 EFH 06/9917CCR93115SJE01/06

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-001738

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

2. This engine shall only be operated for the purposes described under the definition of an Emergency stationary internal combustion engine in 40 CFR 63.6675, including not operating the engine for testing and maintenance purposes in excess of 100 hours per calendar year. (40 CFR Part 63 Subpart ZZZZ)
3. 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, 40 CFR 63.6640(f)(4))
4. Engine operation for maintenance and testing purposes shall not exceed 20 hours per calendar year. (17 CCR 93115, Rule 1200, Rule 20.2)
5. This engine shall only use CARB diesel fuel. (Rule 12, Rule 69.4.1, 17 CCR 93115)
6. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
8. 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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App ID: APCD2020-APP-006321

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9. 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))
12. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. (Rule 12, 69.4.1, 17 CCR 93115, 40 CFR 63 Subpart ZZZZ)
14. 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)
15. 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)
16. 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 63 Subpart ZZZZ)
17. 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)



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B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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7. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)
10. 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)
11. 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)
13. If an hour 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)
19. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
20. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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PERMIT TO OPERATE

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

EMERGENCY ENGINE GENERATOR, 449 HP CATERPILLAR DIESEL ENGINE, MODEL 3306C S/N 4ZR02731 EFH 06/99 17CCR93115 SJE01/06

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-001738

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3. 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, 40 CFR 63.6640(f)(4))
4. Engine operation for maintenance and testing purposes shall not exceed 20 hours per calendar year. (17 CCR 93115, Rule 1200, Rule 20.2)
5. This engine shall only use CARB diesel fuel. (Rule 12, Rule 69.4.1, 17 CCR 93115)
6. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
8. 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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App ID: APCD2020-APP-006321

PERMIT ID
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9. 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))
12. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. (Rule 12, 69.4.1, 17 CCR 93115, 40 CFR 63 Subpart ZZZZ)
14. 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)
15. 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)
16. 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 63 Subpart ZZZZ)
17. 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)



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 4, M
Site ID: APCD1994-SITE-07517
App ID: APCD2020-APP-006321

PERMIT ID
APCD2006-PTO-972500


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

B. DISTRICT-ONLY 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.
7. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)
10. 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)
11. 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)
13. If an hour 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)
19. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
20. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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Sectors: 4, M
Site ID: APCD1994-SITE-07517
App ID: APCD2016-APP-004466

PERMIT ID
APCD2009-PTO-931031


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

EQUIPMENT ADDRESS
 City of San Diego Public Utilities
 Facility Manager
 5240 Convoy St
 San Diego CA 92111

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 PUD Facility Manager 2392 Kincaid Dr, San Diego, CA 92101

EQUIPMENT DESCRIPTION

A wastewater pump station consisting of: two (2) 340 gpm wastewater pumps and three (3) 3,000 gpm centrate pumps with an odor reduction system (ORS) consisting of two (2) trains (one service and one standby), each train consisting of one (1) 9,000 scfm packed bed water scrubber with demister (scrubber use optional) and one (1) 9,000 scfm dual bed carbon adsorption system and associated blowers, piping, ducting and valves.

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 [56B] Wastewater Odor Treatment System
 2 [56B] Wastewater Odor Treatment System

BEC: 12693

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Sulfur content testing 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 in writing and prior to testing by the District. The sampling shall be done at the middle sampling port of each carbon bed. Sulfur content sampling shall be conducted at least once every 180 days for NaOH impregnated, KOH impregnated and 'Centaur HSV' activated carbon. Sulfur content sampling shall be conducted at least once every 60 days for non-impregnated carbon. Records of sample dates, 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]
2. Replacement of the activated carbon in each odor reduction system using NaOH or KOH impregnated carbon is required within 180 days after the sampling date of sulfur content testing if the sulfur content testing indicates the carbon bed contains 25% total sulfur (by weight) or greater as determined by ASTM D1619 Method B, Calgon Method TM-30 or any other equivalent method approved in writing by the District. [Rule 51]



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3. Replacement or regeneration of the activated carbon in each odor reduction system using "Centaur HSV" activated carbon is required within 180 days after the sampling date of sulfur content testing if sulfur content testing indicates the carbon bed contains 16% total sulfur (by weight) or greater as determined by ASTM D1619 Method B, Calgon Method TM-30 or any other equivalent method approved by the District in writing. [Rule 51]
4. Replacement of the activated carbon in each odor reduction system using non-impregnated carbon is required within 180 days after the sampling date of sulfur content testing if sulfur content testing indicates the carbon bed contains 4% (by weight) total sulfur or greater as determined by:
 -ASTM D1619 Method B
 -Calgon Method TM-30
 -or any other equivalent method approved by the District in writing. [Rule 51]
5. The activated carbon material used for replacement of the spent active carbon in either bed of an odor control reduction system shall, at least, have the following removal capacity:
 (0.14 gram H₂S/cc carbon) for NaOH or KOH impregnated carbon
 (0.09 gram H₂S/cc carbon) for 'Centaur HSV' activated carbon
 (0.01-0.03 gram H₂S/cc carbon) for non-impregnated carbon [Rule 51]
6. 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, KOH, 'Centaur HSV' or non-impregnated 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]
7. The odor reduction system (ORS) and its monitoring equipment shall be maintained in good operating condition and shall be in full operation with at least one of the two ORS trains operating in accordance with the facility Operations and Maintenance (O&M) Manual at all times when the process equipment is in use, except during any outage affecting the ORS, not to exceed 97 hours per calendar year. An outage is any period when any component necessary for full operation of the ORS is shut down or malfunctions. The District's Compliance Division shall be notified of all outages exceeding 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) and purpose of any outage affecting the ORS shall be maintained on site for three years and made readily available to the District personnel upon request. [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. Where equipped, process covers or enclosures shall be used at all times except during periods of equipment mobilization and maintenance activities. [Rule 51]
10. Only NaOH, KOH, 'Centaur HSV' or non-impregnated carbon shall be used in the carbon adsorption vessels. The Permittee shall apply for and obtain an Authority to Construct prior to using any other type of Carbon. [Rule 51]
11. 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

12. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
13. 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.) [Rule 1210]



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Sectors: 4, M
Site ID: APCD1994-SITE-07517
App ID: APCD2020-APP-006321

PERMIT ID
APCD2009-PTO-931032


SD City of Metro Wastewater Dept
 Facility Manager
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EQUIPMENT ADDRESS
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 San Diego CA 92111

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 PUD Facility Manager 2392 Kincaid Dr, San Diego, CA 92101

EQUIPMENT DESCRIPTION

Sludge processing operations consisting of pre-digestion operations (raw solids receiving tanks, sludge degritters, thickening centrifuges, thick-solids wet well, sludge screens, thickened solids blending tanks), and post-digestion operations (digester overflow area, de-watering centrifuges, centrifuge bins, silos, and weigh mix bins). Truck loading bays for processed biosolids (2), each consisting of: one (1) automatic and one (1) manual station, one (1) 950 ft³ weighing and loading bin with a suspended flexible shroud for dust control, all equipment inter-connected to a foul air collection system driven by one (1) vacuum blower 1,200 hp/6,000 acfm, 1" differential pressure. Also equipped with dampers to select bay and select automatic or manual station dispatch procedure. The above operations are controlled by main odor reduction system (ORS) consisting of: three (3) trains (2 service and 1 standby) with each train consisting of: one 26,000 scfm ORS fan, one packed bed caustic scrubber, two 13,000 scfm dual bed carbon adsorption vessels and associated pumps, demisters, chemical feed systems, pH meters, ORP meters, piping, ducting and valves. The ORS also includes seven collection fans throughout the facility. The following equipment is optional use: three 8,000 scfm packed bed sulfuric acid scrubbers, associated pumps, demisters, chemical feed systems, pH meters, piping, ducting and valves. 003606/001661/984682/978251/977648

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 [56B] Wastewater Odor Treatment System
 BEC: APCD2012-CON-000524

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



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App ID: APCD2020-APP-006321

PERMIT ID
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A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. All caustic scrubbers shall be equipped with a pH control and visual display indicating the instantaneous pH value. The pH of the caustic scrubbing solution shall be greater than or equal to 9.0, except during scrubber start up, the duration of which shall not exceed 24 hours. pH values shall be recorded once daily. pH records shall be maintained on site for three years and made available to District personnel upon request. All instruments and probes associated with pH control, which are not automatically calibrated, shall be calibrated, as required by manufacturer's manual of operation. Records of the date and times of scrubber start-up, calibration and related manufacturer's manuals shall be kept on site for at least three years and made readily available to the District upon request. [Rule 20.2]
2. All caustic scrubbers shall be equipped with an oxidation reduction potential (ORP) Controller and a visual display indicating the instantaneous ORP value. The ORP of the caustic scrubbing solution shall be greater than or equal to 575 mV, except during scrubber start up, the duration of which shall not exceed 24 hours. ORP values shall be recorded once daily. ORP records shall be maintained on site for three years and made available to District personnel upon request. All instruments and probes, associated with the ORP controller, which are not automatically calibrated, shall be calibrated, as required by manufacturer's manual of operation. Records of the date and time of scrubber start-up, calibration and related manufacturer's manuals shall be kept on site for at least three years and made readily available to the District upon request. [Rule 20.2]
3. Each caustic scrubber shall be equipped with a volumetric flow measuring device indicating the instantaneous flow of recirculation liquid solution to the scrubber. Recirculation flow shall be 150 gallons per minute or greater for each caustic scrubber during scrubber operation. Flow of recirculation liquid shall be recorded once daily. Daily scrubber recirculation flow records shall be kept on site for at least three years and made readily available to District personnel upon request. All instruments and probes, associated with volumetric flow measuring device, which are not automatically calibrated, shall be calibrated, as required by manufacturer's manual of operation. Records of calibration and related manufacturer's manuals shall be kept on site for at least three years and made readily available to the District upon request.[Rule 20.2]
4. 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 20]
5. Replacement of the activated carbon in each odor reduction system using NaOH or KOH impregnated carbon is required within 180 days after the sampling date of sulfur content testing if the sulfur content testing indicates the carbon bed contains 25% total sulfur (by weight) or greater as determined by ASTM D1619 Method B, Calgon Method TM-30 or any other equivalent method approved in writing by the District. [Rule 51]
6. Replacement or regeneration of the activated carbon in each odor reduction system using "Centaur HSV" activated carbon is required within 180 days after the sampling date of sulfur content testing if sulfur content testing indicates the carbon bed contains 16% total sulfur (by weight) or greater as determined by ASTM D1619 Method B, Calgon Method TM-30 or any other equivalent method approved by the District in writing. [Rule 51]
7. Replacement of the activated carbon in each odor reduction system using non-impregnated carbon is required within 180 days after the sampling date of sulfur content testing if sulfur content testing indicates the carbon bed contains 4% (by weight) total sulfur or greater as determined by:
 - ASTM D1619 Method B
 - Calgon Method TM-30
 - or any other equivalent method approved by the District in writing. [Rule 51]
8. The activated carbon material used for replacement of the spent active bed of an odor control reduction system shall, at least, have the following hydrogen sulfide removal capacity: (0.14 gram H₂S/cc Carbon) for NaOH or KOH impregnated carbon, (0.09 gram H₂S/cc Carbon) for 'Centaur HSV' activated carbon, and (0.01-0.03 gram H₂S/cc carbon) for non-impregnated carbon. [Rule 51]



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APCD2009-PTO-931032


9. 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, KOH, 'Centaur HSV' or non-impregnated 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]
10. The odor reduction system (ORS) and its monitoring equipment shall be maintained in good operating condition and shall be in full operation with at least two of the three ORS trains operating in accordance with the facility Operations and Maintenance (O&M) Manual at all times except during outages not to exceed 325 hours per calendar year. An outage is any period when any component necessary for full operation of the ORS is shut down or malfunctions. The District must be notified of all outages exceeding 24 hours. Notification must be submitted in writing no later than 2 calendar days after any outage. The O&M manual logs of the date, duration (in minutes) and purpose of any outages affecting the ORS shall be maintained on site for three years and made available to District personnel upon request. [Rule 51]
11. 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]
12. Where equipped, process covers or enclosures shall be used at all times except during periods of equipment mobilization and maintenance activities. [Rule 51]
13. The Permittee shall comply with the following applicable Requirement: Rule 52.
14. The Emergency Truck Loading Station and the Automated Truck Loading Station shall not be in operation at the same time except during functional readiness activities (i.e. maintenance activities to ensure the emergency load-out capabilities are functional). Functional readiness activities shall be limited to no more than the loading of 3 trucks per calendar year. Any simultaneous operation of the Emergency and Automated Loading Stations shall be logged the same day it occurs. The Log shall note whether the simultaneous operation was for functional readiness or emergency and include the number of trucks loaded for functional readiness. These records shall be kept on site and readily available for inspection by the District.[Rule 51]
15. Dampers in the Automated and Manual Control Lines shall always be appropriately positioned to convey the odorous air to the Treatment System in accordance with the facility's written procedure. The written procedure shall be maintained on site and available for District review upon request. [Rule 51]
16. Access roads, haul roads and yards in the general area of this equipment shall be watered and/or swept to prevent dust generated by plant mobile traffic from exceeding visible dust emissions of 20% opacity at any time. [Rule 20.2]
17. All sludge hauling Trucks shall be covered to reduce odors before leaving the facility. [Rule 51]
18. Wind row drying of sludge shall not occur at the Metropolitan Bio-Solids Center. [Rule 51]
19. All process equipment shall be maintained and operated so that there is no leakage of air contaminants to the atmosphere prior to their treatment in the air pollution control system. [Rule 51]
20. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

21. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
22. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.) [Rule 1210]



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Sectors: 4, M
Site ID: APCD1994-SITE-07517
App ID: APCD2017-APP-005031

PERMIT ID
APCD2018-PTO-002990


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EQUIPMENT ADDRESS
 SD City of Metro Wastewater
 Site Contact Richard Pitchford
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 San Diego CA 92111

PERMIT TO OPERATE

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EQUIPMENT OWNER

SD City of Metro Wastewater Biosolids Center 2392 Kincaid Road, San Diego, CA 92101

EQUIPMENT DESCRIPTION

Up to Five (5) prime diesel engines (ATCM portable): Total combined horsepower ratings up to 500 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: APCD2018-CON-001418

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

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. (Rule 20.3, 17 CCR 93116)
4. This engine shall use only carb diesel fuel. (Rule 20.3, Rule 69.4.1, 17 CCR 93116)
5. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
6. The combined power rating of engines operating under this permit at any given time shall not exceed 500 horsepower. Total operation of engines under this permit shall not exceed 540,000 horsepower-hours per calendar year (equivalent to 500 bhp for 1,080 hours), as evidenced by operational log records and engine information. Engine identifications (Make, Model, Serial Number, PERP Number, rated engine horsepower), hours of operation and hour meter readings shall be recorded on each day of engine usage. (Rule 20.3, Rule 1200)



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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, Rule 20.3)
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 20.3, 69.4.1, 17 CCR 93116]
14. 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.
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.

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).
3. For any engines operated under this permit that do not possess an active Certificate of Registration issued by the District or active PERP Registration issued by CARB the owner or operator shall maintain sufficient records to demonstrate compliance with the requirements of 17 CCR 93116.
8. 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)



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 4, M
Site ID: APCD1994-SITE-07517
App ID: APCD2017-APP-005031

PERMIT ID
APCD2018-PTO-002990


9. 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]
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)
12. 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)
13. 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.)