

**North Coast Unified
Air Quality Management District**

707 L Street, Eureka, CA 95501

(707) 443-3093

www.ncuaqmd.org



**TITLE V FEDERAL OPERATING PERMIT
&
NCUAQMD PERMIT TO OPERATE
NCU 096-12**

ISSUED TO:

DG Fairhaven Power LLC
97 Bay Street
Samoa, CA 95564

LOCATION:

Fairhaven Power Company
97 Bay Street
Samoa, CA 95564

3rd RENEWAL PERMIT ISSUED:

April 1, 2019

#000983-2 Boiler
#000984-2 Emergency CI Engine – Standby Generator
#000985-2 Emergency CI Engine – Fire Pump

PERMIT EXPIRES:

March 18, 2023

PERMIT REVISION HISTORY:

March 18, 1998 Initial Permit
August 09, 1999 Minor Modification
July 18, 2000 Minor Modification
August 12, 2005 Minor Modification
January 26, 2010 1st Renewal Permit
July 6, 2016 2nd Renewal Permit

RESPONSIBLE OFFICIAL:

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CONTACT PERSON:

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NATURE OF BUSINESS:

Electric power generation, transmission,
and distribution.

**STANDARD INDUSTRIAL
CLASSIFICATION (SIC):**

4911

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PERMIT SUMMARY

This permit is a Title V Permit to Operate issued pursuant to North Coast Unified Air Quality Management District (District) Rules and Regulations and the U.S. EPA's 40 CFR Part 70 (State Operating Permit Programs) Regulations.

The application for this air quality Permit to Operate has been evaluated for compliance with District, State, and Federal air quality rules and regulations. The following listed rules are the major rules that were found to be applicable at the time of this permit review, and based on the information submitted with the Title V permit application.

Federally Enforceable Rules & Regulations

Citation	Description	Adoption Date
Regulation I, Rule 102	Permit Requirements	7-9-15
Regulation I, Rule 110	New Source Review Standards	7-9-15
Regulation I, Rule 103	Action on Applications	7-9-15
Regulation I, Rule 104(B)	Visible Emissions	7-9-15
Regulation I, Rule 104(C)	Particulate Matter	7-9-15
Regulation I, Rule 104(D)	Fugitive Dust	7-9-15
Regulation I, Rule 104(E)	Sulfur Oxide Emissions	7-9-15
Regulation V	Procedures for Issuing Permits to Operate for Sources Subject to Title V	10-16-14
NSPS	40 CFR 60 Subpart Db – Standards of Performance for Industrial, Commercial, and Institutional Steam Generating Units	Promulgated 12-16-87
NSPS	40 CFR 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	Promulgated 7-11-06
NESHAP	40 CFR 63 Subpart ZZZZ – Stationary IC engines	6-15-04
NESHAP	40 CFR 63 Subpart JJJJJJ – Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers	3-21-11
CAM	40 CFR Part 64	10-22-97

Non-Federally Enforceable Rules & Regulations

Citation	Description	Adoption Date
Regulation IV, Rule 400	Stationary Source Permit Fees	10-16-14
Regulation IV, Rule 406	Title V Fees	10-16-14
Regulation IV, Rule 407	Air Toxic "Hot Spots" (AB2588) Fees	10-16-14
Regulation IV, Rule 402(B)	Major Source Assessment	10-16-14
CCR Title 17 Section 93115	Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines	Approved 9-08-04, last revised 5-19-11

FACILITY DESCRIPTION

PERMIT HISTORY

Initial Permit	March 18, 1998
Minor Modification	August 09, 1999
Minor Modification	July 18, 2000
Minor Modification	August 12, 2005
1st Renewal Permit	January 26, 2010
2 nd Renewal Permit	July 6, 2016

EQUIPMENT DESCRIPTION

DG Fairhaven Power LLC (DG Fairhaven) operates a wood waste fired boiler rated at 180,000 pounds of steam/hour (316 MMBtu/hour) to produce electricity (18.8 MW) for sale to PG&E and other customers. The boiler is a stoker type where fuel is fed to a large horizontal grate system (combustion air mechanism) by pneumatic fuel spreaders.

An ash reburn chamber, rated at 15 MMBtu/hour, is designed to burn the carbon contained in the ash collected from the preheater dropout, multiclone dropout and electrostatic precipitator. Compliant operation of the boiler is possible without operation of the ash reburn chamber. Heat from the reburn chamber is directed into the combustion chamber above the grates. Two 40 million BTU/hour natural gas burners are used to supply heat for startups, shutdowns and periods of poor wood combustion (i.e. high moisture content).

Particulate matter from the wood waste combustion process is controlled with a mechanical multiclone followed by an electrostatic precipitator. Nitrogen oxides (NO_x) and carbon monoxide (CO) are controlled by a forced overfire air system.

DG Fairhaven operates with tiered seasonal emission limits to accommodate the combustion of higher moisture content of wood wastes during part of the year. As such, a Dry Season (June 1st to October 31st) and a Wet Season (November 1st to May 31st) was established with three tiers for carbon monoxide and nitrogen oxides emission rates. In addition, as of July 1, 1999, DG Fairhaven was required to have CEMs for carbon monoxide, nitrogen oxides and oxygen to better monitor emissions from the wood fired boiler operation. Because continuous emissions monitors (CEMS) are used to verify compliance with Best Available Control Technology emission limits, annual Relative Accuracy Test Audits (RATA) are required.

EQUIPMENT OPERATING SCENARIOS

DG Fairhaven typically operates at maximum capacity, providing about 10% of Humboldt County's Energy supply in 2003. Normal operation of the plant is to operate on wood waste. Two 40 MMBtu/hour natural gas burners are used to supply heat for startups, shutdowns and periods of poor wood combustion. Typically, the plant operates near its maximum capacity of 18.8 MW as a base load rather than by dispatch.

DEFINITIONS

As used in this permit, the terms shall have the meaning set out herein.

- a. **acfm**: actual cubic feet per minute
- b. **Annual Capacity Factor**: the ratio between the actual heat input to a steam generating unit from fuel (e.g. natural gas) during a calendar year and the potential heat input to the steam generating unit had it been operated for 8,760 hours during a calendar year at the maximum steady state design heat input capacity.
- c. **APCO**: the NCUAQMD Air Pollution Control Officer
- d. **BDT**: Wood Waste that weighs 2,000 lb at 0% moisture content
- e. **Breakdown**: any unforeseeable failure or malfunction of any air pollution control equipment or operating equipment which causes a violation of any emission standard or limitation prescribed by the NCUAQMD, State, or federal rules, regulations, or laws.
- f. **Calendar Day**: any continuous 24-hour period beginning at 12:00 AM or 0000 hours
- g. **California Air Resources Board (CARB) Diesel Fuel**: any diesel fuel that is commonly or commercially known, sold, or represented by the supplier as diesel fuel No. 1-D or No. 2-D, pursuant to the specifications in ASTM D975-81, "Standard Specification for Diesel Fuel Oils," as modified in May 1982, which is incorporated herein by reference, and that meets the specifications defined in Title 13 CCR, sections 2281, 2282 and 2284
- h. **CAM Plan**: Compliance Assurance Monitoring Plan, as defined in 40 CFR 64
- i. **CARB**: the California Air Resources Board
- j. **CEMS**: Continuous Emissions Monitoring System
- k. **CFR**: the Code of Federal Regulations
- l. **COMS**: Continuous Opacity Monitor
- m. **Daily Block Average**: means the arithmetic mean of all valid emission concentrations or parameter levels recorded when a unit is operating measured over the 24-hour period from 12 a.m. (midnight) to 12 a.m. (midnight), except for periods of startup and shutdown and periods when the unit is not operating.
- n. **Deviation**: an act, occurrence, or event which is a violation of one or more federal, state, or local air quality laws, rules, or permit conditions.
- o. **Diesel Particulate Matter (DPM)**: filterable particulate matter (PM) measured using EPA method 5
- p. **District**: North Coast Unified Air Quality Management District
- q. **dscfm**: dry standard cubic feet per minute
- r. **Emergency**: operation arising from a sudden and reasonably unforeseeable event beyond the control of the permittee (e.g., an act of God) which causes the excess of a limitation under this permit and requires immediate and corrective action. An "emergency" does not include noncompliance as a result of improperly designed or installed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
- s. **EPA**: the United States Environmental Protection Agency
- t. **Facility**: the site of the equipment authorized for use by this permit

- u. **Heat Input:** the energy (heat) input of the fuel combusted at the higher heating value (HHV) of the fuel
- v. **HEPA filter:** means a High Efficiency Particulate Air filter used to remove particles less than one (1) micron in aerodynamic diameter and operates at removal efficiencies of 99.9 percent or better.
- w. **HHV:** Higher Heating Value
- x. **H&SC:** California Health & Safety Code
- y. **hr:** one hour – a standard measurement of time
- z. **H₂S:** Hydrogen Sulfide
- aa. **Initial Startup:** The first day the Authorized Equipment is operated for its intended purpose or function. Operation prior to Initial Startup, for example during a commissioning period or initial testing phase, shall not be considered as the Initial Startup.
- bb. **KPPH:** thousand pounds per hour
- cc. **lb:** pound – an English unit of measurement of weight and mass being equivalent to 7000 grains, 16 ounces, and 0.453 kilograms
- dd. **MMBtu:** million British thermal units
- ee. **MMbf:** million board-feet
- ff. **Natural Gas:** any mixture of gaseous hydrocarbons containing at least 80 percent methane by volume as determined by Standard Method ASTM D1945-64
- gg. **NCUAQMD:** North Coast Unified Air Quality Management District
- hh. **NFPA:** National Fire Protection Association
- ii. **Notice:** unless otherwise stated, shall be in writing, sent postage prepaid, to the APCO and include all information required. Notice shall be sent to the APCO at the following address: 707 L Street, Eureka, CA 95501. Hand delivery or facsimile are also acceptable.
- jj. **O₂:** Oxygen
- kk. **Permittee:** the owner or operator identified on the Permit title page
- ll. **PM:** Particulate Matter
- mm. **Ppmvd:** parts per million, volumetric dry
- nn. **Quarter:** calendar quarter, consisting of the following Q1 - January through March; Q2 - April through June; Q3 - July through September; Q4 - October through December
- oo. **Responsible Official:** person(s) who have direct authority or control to affect operations of the equipment authorized pursuant to this Permit, and who have the ability to certify that a source complies with all applicable federal requirements and federally enforceable permit conditions as generally defined in NCUAQMD Rule 101(B)
- pp. **ROC:** reactive organic compound consistent with NCUAQMD Rule 101(B)
- qq. **Shutdown:** the period beginning when air pollutants have ceased to be emitted from the Authorized Equipment.
- rr. **SO₂:** Sulfur Dioxide
- ss. **Startup:** the period beginning when air pollutants are emitted from the Authorized Equipment.
- tt. **VEE:** Visible Emissions Evaluation
- uu. **Wood Waste:** combustible Wood Waste from timber, sawmill residues, forest residues, chip, and vegetation, which is not treated with any chemicals or lead-based paints.

vv. **Year:** any consecutive twelve-month period of time.

FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

TITLE V PERMIT MODIFICATIONS AND RENEWAL

1. The Permittee shall submit to the Air Pollution Control Officer a completed Title V permit application for renewal no earlier than September 16, 2021 (18 months prior to the expiration date of the Title V permit) and no later than September 16, 2022 (6 months prior to the expiration date of the Title V permit). [*District Rule 502(B)(2); 40 CFR 70.5(a)(1)(iii)*]
2. If modifications to the permit are necessary, the Permittee shall submit to the Air Pollution Control Officer a complete Title V permit application for either an Administrative, Minor, or Significant Title V permit modification. The application shall not be submitted prior to receiving any required preconstruction permit from the District. [*District Rule 502(B)(3); 40 CFR 70.5(a)(1)(ii)*]
3. The Permittee shall submit to the Air Pollution Control Officer updates to the Title V application as new requirements become applicable to the source, and in no event later than 30 days after the end of the quarter during which the new requirement takes effect. [*40 CFR 70.5(b)*]
4. Upon the discovery of inaccuracies contained within an application or supplement thereto, the Permittee shall immediately notify the APCO. The Permittee shall undertake action to correct the deficiency within the time frame specified by the APCO. [*District Rule 502(E)(3); 40 CFR 70.5(a)(2) and (b)*]
5. Upon written request of the Air Pollution Control Officer, the Permittee shall supplement any complete application with additional information within the time frame specified by the Air Pollution Control Officer. [*District Rule 502(E)(2); 40 CFR 70.5(a)(2) and (b)*]
6. When submitting an application for a permit pursuant to Regulation V, the Permittee shall include the following information: a certification by a responsible official of all reports and other documents submitted for permit application; compliance progress reports at least every 6 months for, and submitted no later than 30 days after, the periods January 1st through June 30th and July 1st through December 31st of each year; statements on compliance status with any applicable enhanced monitoring; and annual compliance plans, no later than January 30th of each year, which shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete. [*40 CFR 70.5(c)(9) and (d)*]
7. With the exception of acid rain units subject to Title IV of the Clean Air Act and solid waste incinerators subject to section 129(e) of the Clean Air Act, each permit issued pursuant to District Regulation 5 for any source shall include a condition for a fixed term not to exceed five years from the time of issuance. A permit to operate for an acid rain unit shall have a fixed permit term of five years. A permit to operate for a solid waste incinerator shall have

a permit term of 12 years. However, the permit shall be reviewed at least every five years. [District Rule 504(K); 40 CFR 70.6(a)(2)]

COMPLIANCE

8. The Permittee shall comply with all conditions of the Title V permit. [District Rule 504(B)(7)]
9. The Permittee may not assert or use as a defense, expressly, impliedly, or by operation of law or past practice, in any enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Title V permit. [District Rule 504(B)(7)(d)]
10. This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. [District Rule 503(l)]
11. The Permittee shall furnish to the Air Pollution Control Officer, within 10 (ten) days of the request, any information that the Air Pollution Control Officer may request in writing to determine whether cause exists for modifying, revoking and reissuing, terminating this permit, or to determine compliance with this Title V permit. Upon request, the Permittee shall also furnish to the Air Pollution Control Officer copies of records required to be kept by conditions of this permit. For information claimed to be confidential, the Permittee may furnish such records along with a claim of confidentiality. [40 CFR 70.6(a)(6)(v)]
12. Noncompliance with any federally enforceable requirement in this Title V permit is grounds for Title V permit termination, revocation and reissuance, modification, enforcement action, or denial of the Title V permit renewal application. [District Rule 504(B)(7)(c)]
13. A pending Title V permit action (e.g. a proposed permit revision) or notification of anticipated noncompliance does not stay any permit condition. [District Rule 504(B)(7)(e)]
14. This Title V permit may be modified, reopened, and then reissued or terminated in the event that the APCO or the EPA Administrator determines that cause exists pursuant to District Rule 503, including but not limited to any of the following circumstances: 1) additional requirements become applicable to the source, 2) the APCO or the EPA Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emission standards or other terms or conditions of the permit, 3) the APCO or the EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [District Rule 503(l), Part 707.7 (f) and (g)]
15. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow the Air Pollution Control Officer or an authorized representative to perform all of the following:
 - a. Enter the stationary source's premises where this source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Title V permit;
- c. Inspect at reasonable times, the stationary source, equipment (including monitoring and air pollution control equipment), practices and operations regulated or required under this Title V permit; and
- d. As authorized by District rules or by the Federal Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of ensuring compliance with the Title V permit conditions or applicable federal requirements. [District Rule 504(B)(5)]

REPORTS AND RECORDKEEPING

16. Monitoring Reports

- a. The Permittee shall submit to the Air Pollution Control Officer at least once every six months, unless required more frequently by an applicable requirement, reports of all required monitoring set out in this Title V permit.
- b. The reporting periods for this permit shall be for the six month periods January 1st through June 30th and July 1st through December 31st. The reports shall be submitted by July 30th and January 30th of each year respectively.
- c. Any and all instances of deviations from Title V permit conditions must be clearly identified in such reports. All required reports must be certified by the responsible official and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete. [District Rule 502(K) and Rule 504(E); 40 CFR 70.6(a)(3)(ii) and (iii)]

17. Compliance Reports

- a. The Permittee shall submit to the Air Pollution Control Officer and to U.S. EPA (Air-3, U.S. EPA, Region IX) on an annual basis, unless required more frequently by additional applicable federal requirements, a certification of compliance by the Permittee with all terms and conditions contained in the Title V permit, including emission limitations, standards and work practices.
- b. The reporting period for this permit shall be January 1st through December 31st. The report shall be submitted by January 30th of each year.
- c. All required reports must be certified by the responsible official and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.
- d. The compliance certification shall include the following:
 - i. The identification of each term or condition of the Title V permit that is the basis of the certification.
 - ii. The method(s) used for determining the compliance status of the source, currently and over the reporting period, and whether such method(s) provides continuous or intermittent data.
 - iii. The status of compliance with the terms and conditions of the Title V permit for the period covered by the certification, based on the method designated in Section D (ii) of this condition.

- iv. Such other facts as the Air Pollution Control Officer may require in order to determine the compliance status of the source.
 - v. A method for monitoring the compliance of the stationary source with its emissions limitations, standards and work practices. [*District Rule 504(J); 40 CFR 70.6(b)(5)*]
18. The Permittee shall report to the NCUAQMD any deviations from the requirements of this permit, including those attributable to breakdown conditions, the probable cause of the deviations, and any corrective actions or preventive measures taken.
- a. The initial notification provided to the District shall occur as soon as reasonably possible, but in no event later than two (2) hours after its detection during normal business hours (8:30 a.m. to 5:00 p.m.) or one (1) hour after the start of the next regular business day, whichever is sooner. The notification shall identify the affected equipment (Authorized Equipment), whether emissions in excess of permitted limits have been released, and the status of the event (e.g. ongoing or resolved).
 - b. Within 10 days after occurrence, the Permittee shall report, in writing, the following information regarding the event: [*District Rule 502(K)*]
 - i. Duration of excessive emissions,
 - ii. Estimation of the quantity of emissions,
 - iii. Statement of the cause of the occurrence, and
 - iv. Corrective measures taken to prevent recurrences.
19. All monitoring data and support information required by a federally enforceable applicable requirement must be kept by the stationary source for a period of 5 years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records, all electronic data for continuous monitoring instrumentation, and copies of all reports required by the federally enforceable applicable requirement in the Title V permit. [*District Rule 502(J) and Rule 504(C); 40 CFR 70.6(a)(3)(ii)*]

PUBLIC NUISANCE

20. The Permittee shall not discharge such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public; or which endanger the comfort, repose, health or safety of any such persons or the public; or which cause or have a natural tendency to cause injury or damage to business or property. [*District Rule 104(A)(1)*]

VISIBLE EMISSIONS

21. The Permittee shall not discharge into the atmosphere from any single source of emission, any air contaminant other than uncombined water vapor, for a period or periods aggregating more than three minutes in any one hour which is:

- a. As dark or darker in shade as that designated No. 2 (3-minute average), on the Ringelmann Chart, as published by the United States Bureau of Mines, or
- b. Of such opacity as to obscure a human observer's view, or a certified calibrated in-stack opacity monitoring system to a degree equal to or greater than forty percent (40%) opacity. [*H&SC §41701*]

PARTICULATE MATTER

22. Particulate Discharge Limitations

- a. General Combustion Sources: The Permittee shall not discharge particulate matter into the atmosphere from any combustion source in excess of 0.46 grams per standard cubic meter (0.20 grains per standard cubic foot) of exhaust gas, calculated to 12 percent carbon dioxide; or in excess of the limitations of NSPS (District Rule 104(K)), as applicable.
- b. Steam Generating Units: The Permittee shall not discharge particulate matter into the atmosphere from any steam generating unit, installed or modified after July 1, 1976, in excess of 0.23 grams per standard cubic meter (0.10 grains per standard cubic foot) of exhaust gas, calculated to 12 percent carbon dioxide; or in excess of the limitations of NSPS [*District Rule 104(K)*].
- c. Steam Generating Utility Power Plants: Notwithstanding the limitations set out above, no steam generating power plants which produce electric power for sale to any public utility shall discharge particulate matter into the atmosphere in excess of 0.10 pounds per million BTU heat input or any other specific applicable permit limitation, whichever is the more restrictive emission condition.
- d. Non-Combustion Sources: The Permittee shall not discharge particulate matter into the atmosphere from any non-combustion source in excess of 0.46 grams per actual cubic meter (0.20 grains per cubic foot) of exhaust gas or in total quantities in excess of the maximum allowable process weight rate as listed in Rule 104 Table 1. [*District Rule 104*]

23. The Permittee shall not handle, transport or store, or allow open storage of materials in such a manner which allows or has the potential to allow unnecessary amounts of particulate matter to become airborne. Reasonable precautions shall be taken to prevent particulate matter from becoming airborne, including, but not limited to, the following:

- a. Covering open bodied trucks when used for transporting materials likely to give rise to airborne dust.
- b. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials. Containment methods can be employed during sandblasting and other similar operations.
- c. Conduct agricultural practices in such a manner as to minimize the creation of airborne dust.
- d. The use of water or approved dust surfactants for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
- e. The application of asphalt, oil, water or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which can give rise to airborne dusts.
- f. The paving of roadways and their maintenance in a clean condition.

- g. The prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means. [*District Rule 104(D)*]

SULFUR COMPOUNDS

24. The Permittee shall not discharge into the atmosphere from any single source of emissions, sulfur oxides (calculated as sulfur dioxide (SO₂)) in excess of 1,000 ppm or in excess of the emission limitations of Federal New Source Performance Standards, as applicable. [*District Rule 104(E)*]

OPEN BURNING

25. The Permittee shall not ignite or cause to be ignited or suffer, allow or maintain any open outdoor fire for the disposal of rubber, petroleum or plastic wastes, demolition debris, tires, tar paper, wood waste, asphalt shingles, linoleum, cloth, household garbage or other combustible refuse, or for metal salvage or burning of motor vehicle bodies. No other open burning shall occur without the owner, operator(s) or Permittee having first obtained a Coordinated Authorized Burn Permit from the Air Pollution Control Officer. [*District Rules 201 & 203*]

EQUIPMENT BREAKDOWNS

26. The Permittee shall comply with the emergency provisions contained in all applicable federal requirements.
 - a. Within two working days of the emergency event, the Permittee shall notify the Air Pollution Control Officer with a description of the emergency and any mitigating or corrective actions taken. [*District Rule 502(I)*]
 - b. Within two weeks of an emergency event, the owner(s), operator(s) or the responsible official shall submit to the Air Pollution Control Officer a signed contemporaneous log or other relevant evidence which demonstrates that:
 - i. An emergency occurred.
 - ii. Identification of the cause(s) of the emergency.
 - iii. The facility was being properly operated at the time of the emergency.
 - iv. Identification of each and every step taken to minimize the emissions resulting from the emergency.
 - c. The Permittee has the burden of proof to establish that an emergency occurred in any enforcement proceeding.

TITLE VI REQUIREMENTS (OZONE DEPLETING SUBSTANCES)

27. The Permittee shall not allow or cause the opening of appliances containing CFCs for maintenance, service, repair, or disposal unless first complying with the required practices set out pursuant to 40 CFR 82.156. [*40 CFR 82 Subpart F*]

28. Equipment used during the maintenance, service, repair, or disposal of appliances containing CFCs shall comply with the standards for recycling and recovery equipment set out in and pursuant to 40 CFR 82.158. [40 CFR 82 Subpart F]
29. The Permittee and its contractors and agents performing maintenance, service, repair or disposal of appliances containing CFCs must be certified by an approved technician certification program set out in and pursuant to 40 CFR 82.161. [40 CFR 82 Subpart F]

ASBESTOS

30. The Permittee shall comply with the standards of 40 CFR 61 Subpart M which regulates demolition and renovation activities pertaining to asbestos materials.

PAYMENT OF FEES

31. The Permittee shall pay an annual permit fee, and all other fees, required pursuant to District Regulation IV. Failure to pay any fees in any timely manner shall result in suspension of this Title V Permit to Operate pursuant to Rule 406(B). Operation without a valid Title V permit subjects the Permittee to potential enforcement action by the District and the U.S. EPA pursuant to District Rules and Section 502(a) of the Clean Air Act as amended in 1990. [District Regulation IV Rule 406]

ACCIDENTAL RELEASES

32. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the Permittee Title V permit shall register and submit to the U.S. EPA the required data related to the risk management plan (RMP) for reducing the probability of accidental releases of any regulated substances listed pursuant to Section 112(r) (3) of the CAA as amended in 68.130. The list of substances, threshold quantities and accident prevention regulations promulgated under Part 68 do not limit in any way the general duty provisions under Section 112(r)(1). [40 CFR Part 68]
33. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the Permittee shall comply with the requirements of 40 CFR Part 68 no later than the latest of the following dates as provided in 40 CFR 68.10(a):
 - a. June 21, 1999,
 - b. Three years after the date on which a regulated substance is first listed under 68.130, or
 - c. The date on which a regulated substance is first present above a threshold quantity in a process. [40 CFR Part 68]
34. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the Permittee(s) shall submit any additional relevant information requested by any regulatory agency necessary to ensure compliance with the requirements of 40 CFR Part 68. [40 CFR Part 68]

35. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the Permittee(s) shall annually certify compliance with all applicable requirements of Section 112(r) as part of the annual compliance certification. This annual compliance certification shall be submitted and received no later than January 30th of each year. [*40 CFR Part 68*]

CONDITIONAL TRANSFER OF OWNERSHIP

36. In the event of any changes in control or ownership of these facilities, this permit together with its terms and conditions shall be binding on all subsequent owners and operators. The Permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, a copy of which shall be forwarded to the District, and which shall identify the exact effective date of the transfer of ownership. [*District Rule 102(E)*]
37. The new owner(s) and operator(s) of this Title V source shall notify the Air Pollution Control Officer within 30 (thirty) days of the transfer of ownership and which notification shall include a certification by the responsible party that the Title V facility operations are to be operated in the same operational parameters as set out herein, and as before the transfer of ownership. [*District Rule 102(E)*]

SEVERABILITY

38. If any term or condition of this permit, for any reason, be adjudged by a court of competent jurisdiction to be invalid, such judgment shall not affect or invalidate the remainder of this permit. These permit conditions are enforceable individually and severally. [*40 CFR 60.6(a)(5); District Rule 504(B)(8)*]

LOCALLY ENFORCEABLE ONLY GENERAL REQUIREMENTS

APPLICABILITY

39. Any permit or written authorization issued pursuant herein shall not be transferable, by operation of law or otherwise, from one location to another, or from one person to another, unless such transfer occurs as a condition of this permit or as a modification to the permit and with written notification to the Air Pollution Control Officer within 30 (thirty) days of transfer of ownership.

ADMINISTRATION

40. The Permittee shall not cause or permit the construction or modification of any new source of air contaminants or modifications to an existing source, either minor or major, without first having obtained an Authority to Construct (ATC) permit from the Air Pollution Control Officer.
41. This permit is effective only upon payment of the permit fees set out in District Rules and Regulations.
42. This Permit is issued pursuant to California Health and Safety Code Section 42300. Commencement of any act or operation authorized by this Permit shall be conclusively deemed to be acceptance of all terms and conditions contained herein.
43. The Permittee shall comply with all conditions of this permit. Any violation of any condition of this Permit is a violation of District Rules and Regulations, and California State Law. [*District Rule 105(A)*]
44. The Permit Conditions shall be liberally construed for the protection of the health, safety and welfare of the people of the District. [*District Rule 100(F)(3)*]
45. The District Rules and Regulations may be superseded or revised by the District Board with notice as required by state law. It is Permittee's responsibility to stay current with Rules and Regulations governing its business. The Permittee is therefore expected to, and shall, comply with all applicable Rules and Regulations. [*District Rule 100(F); Rule 105(A)*]
46. Permit requirements apply to the facility owner and/or operator(s) and any contractor(s) or subcontractor(s) performing any activity authorized under this Permit. Any person(s) including contractor(s), subcontractor(s), not in compliance with the applicable permit requirements are in violation of State and Local laws, and are subject to appropriate civil and criminal penalties. The facility owner and/operator, and all contractor(s) or subcontractor(s) are strictly liable for the actions and violations of their employee(s). A violation committed by a contractor(s) or subcontractor(s) shall be considered a violation by the facility owner(s) and/or operator(s), and is also a violation by the contractor(s) and/or any subcontractor(s). [*District Rule 102*]

47. Prior to building, erecting, altering, or replacing any article, machine, equipment, or other contrivance where the use of said article may result in the discharge of air pollutants or in the reduction, elimination, or control of air pollutants, the Permittee shall obtain written authorization from the APCO. [*District Rule 102*]
48. Knowing and willful misrepresentation of a material fact in the application for the Permit, or failure to comply with any condition of the Permit, or of the District Rules and Regulations, or any state or federal law, shall be grounds for revocation of this Permit. [*District Rule 102*]
49. Permittee shall not construct, erect, modify, operate, or use any equipment which conceals the emission of an air contaminant, which would otherwise constitute a violation of the limitations of this Permit. [*District Rule 104(A)(2)*]
50. This Permit does not convey any property rights of any sort, or any exclusive privilege.
51. The "Right of Entry", as delineated in California Health and Safety Code Section 41510 of Division 26, shall apply at all times. Failure to grant immediate access to District, CARB, or other authorized personnel shall be grounds for permit suspension or revocation.
52. The APCO reserves the right to amend this Permit in order to ensure compliance with all applicable Federal, State and Local laws, Rules and Regulations or to mitigate or abate any public nuisance. Such amendments may include requirements for additional operating conditions, testing, data collection, reporting and other conditions deemed necessary by the APCO.
53. If any provision or condition of this Permit is found invalid by a court of competent jurisdiction, such finding shall not affect the validity or enforcement of the remaining provisions.
54. This Permit shall be posted in a conspicuous location at the site and shall be made available to District representatives upon request. [*District Rule 102(H)*]
55. The Permittee shall pay an annual permit fee and other fees as required in accordance with District Regulation IV. Failure to pay these fees will result in the forfeiture of this Permit. Operation without a permit subjects the source to potential enforcement action by the District. In the event of facility closure or change of ownership or responsibility, the new owner or operator shall be assessed and shall pay any unpaid fees. [*District Regulation IV - Fees*]
56. This Permit is not transferable from either one location to another, from one piece of equipment to another, or from one person to another, except as provided herein. In the event of any change in control or ownership of the subject facility, the Permittee shall notify the succeeding owner of this Permit and its conditions; and shall notify the District of the change in control or ownership within thirty (30) days of that change. [*District Rule 102(E)*]

57. A request for Transfer of Ownership of this Permit shall be submitted to the APCO prior to commencing any operation of the subject equipment and/or operations by any owner(s) and/or operator(s) not otherwise identified in this Permit. Failure to file the Transfer of Ownership constitutes a separate and independent violation, and is cause for voiding this Permit. The burden of applying for a Transfer of Ownership is on the new owner(s) and/or operator(s). Any Permit transfer authorized pursuant to a transfer of ownership request shall contain the same conditions as this Permit.
58. For purposes of this Permit, the terms identified in the Definition Section shall have the meaning set out in District Rule 101 and as defined in the definition section of this permit. In the event of any conflict between Rule 101 and the permit definitions, the definitions section of this permit shall prevail.

EMISSIONS & OPERATION

59. This Permit does not authorize the emission of air contaminants in excess of those allowed by the federal Clean Air Act, California Health and Safety Code or the Rules and Regulations of the District. This Permit shall not be considered as permission to violate existing laws, ordinances, regulation or statutes of other governmental agencies.
60. The Permittee shall not discharge such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public; or which endanger the comfort, repose, health or safety of any such persons or the public; or which cause or have a natural tendency to cause injury or damage to business or property. [*H&SC §41700; District Rule 104(A)(1)*]
61. The Permittee shall not discharge into the atmosphere from any source whatsoever any air contaminant which is in excess of twenty (20) percent opacity, or as dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, calculated as a six minute average. Opacity observations shall be taken and recorded as described in EPA Reference Method 9. [*District Rule 104(B)(3)*]
62. The handling, transporting, or open storage of material in such a manner which allows unnecessary amounts of particulate matter to become airborne shall not be permitted. Reasonable precautions shall be taken to prevent particulate matter from becoming airborne. [*District Rule 104(D)*]
63. All equipment regulated by this Permit shall at all times be maintained in good working order, and shall be operated as efficiently as possible so as to ensure compliance with all applicable emission limits. For purposes of compliance with this requirement, good working order, efficient operation, and proper maintenance shall mean the implementation of all protocols, procedures, and activities recommended by the device manufacturer or those required by this Permit.

RECORDS & TRAINING

64. The Permittee shall provide training and instruction to all affected contractor(s), subcontractor(s), and employee(s). Training shall include the identification of all the requirements contained within this Permit, and the appropriate method to be used to comply with the permit conditions. Training shall occur prior to any of the contractor(s), subcontractor(s), or employee(s) constructing or operating equipment authorized by this permit. Records documenting the persons receiving instruction and the instruction materials shall be made available to the APCO upon request. [*District Rule 102*]
65. The Permittee shall furnish to the APCO any information that the District may request to determine compliance with this Permit or whether cause exists for modifying, revoking and reissuing, or terminating this Permit. Upon request, Permittee shall also furnish to the District copies of records required to be kept by this Permit. The information and records shall be submitted within the time period determined by the APCO. [*H&SC §42303; District Rule 103(F)*]
66. The Permittee shall record the following information in the event of an equipment breakdown or malfunction of Authorized Equipment which creates, causes, or results in a violation any emission limitation or restriction prescribed by District Rules or State law: date and time of event; event duration; a description of event; the cause of the event; what corrective measures were taken, including what actions were taken to prevent re-occurrence; if corrective actions were unsuccessful, what additional measures should be taken in the future; and the quantity of excess emissions released during the event. The Permittee shall report the information listed above to the District within 10 days of when the breakdown event was corrected. If the Permittee reports the event to the District within one hour of its detection pursuant to Rule 105(E)(2), the APCO may elect to not take enforcement action if the requirements of Rule 105(E) are satisfied. [*District Rule 105(E)*]
67. The Permittee shall annually prepare and submit a comprehensive facility wide emission inventory plan for all criteria pollutants and toxic air contaminants emitted from the facility. The plan shall identify the protocols, procedures, and content necessary to prepare an emission inventory report in accordance with the most recent version of the CAPCOA / CARB reference document *Emission Inventory Criteria Guidelines*. The inventory report shall be submitted to the District no later than March 1st of the following calendar year. The inventory report is subject to APCO approval. [*H&SC 42303; District Rule 103(F)*]

PERMIT TERM

68. The Title V permit expiration terminates the Permittee's right to operate the stationary sources itemized in this permit unless a timely and complete Title V permit application for renewal has been submitted in accordance with District Regulation V Rule 502(B)(2), in which case the existing Title V permit will remain in effect until the Title V permit renewal has been issued or denied. [*District Rule 502(A)(2)*]

SEVERABILITY

69. If any term or condition of this permit, for any reason, be adjudged by a court of competent jurisdiction to be invalid, such judgment shall not affect or invalidate the remainder of this permit. These permit conditions are enforceable individually and severally. [*40 CFR 60.6(b)(5); District Rule 504(B)(8)*]

PERMIT UNITS

Permit Number: #000983-2
Name: Boiler

AUTHORIZED EQUIPMENT

- This permit authorizes the operation of the following equipment: [District Rule 504(B)(1)]

Table 1.0 - Authorized Process Equipment

Device S-1	External Combustion Stoker Boiler – Electric Generation
SCC	10100911
Application	Generation of steam to power 18 MW turbine generator
Manufacturer	Riley Stoker Company
Input Rating	316 MMBtu/hr
Output Rating	180,000 pounds of steam/hr
Fuel Type	≈18 MW gross electricity generation capacity
Control Device	Wood Waste (supplemented with natural gas as needed from two opposing 40 MMBtu/hour Coen burners)
Additional Equipment	C-1 (mechanical multiclone collector), C-2 (ESP) Ash Reburn Chamber (15 MMBtu/hr)
Release Point	Burns wood waste ash collected from preheater dropout, multiclone, and electrostatic precipitator. E-1

- This permit authorizes the operation of the following control equipment: [District Rule 504(B)(1)]

Table 2.0 Authorized Control Equipment

Device C-1	Mechanical Multiclone Collector
Manufacturer	Zurn Air Systems/Industries
Model	MTSA-262-9CYT-A-NRV-STD
Pollutant Controlled	PM
Emission Device Controlled	S-1 (Boiler)
Device C-2	Electrostatic Precipitator (ESP)
Manufacturer	General Electric
Size	42,000 square feet collection plate area with 3 transformer/rectifier fields
Flow rate	145,500 acfm
Max Inlet Loading	0.75 grains/dscf
Max Outlet Loading	0.017 grains/dscf (mfgr mass emission guarantee)
Design efficiency	97.73 % efficient (mfgr efficiency guarantee)
Opacity Guarantee	< 20% (mfgr outlet opacity guarantee)

Rating	50 KVA, 50 KVA, and 35 KVA each
Pollutant Controlled	PM
Emission Device	S-1 (Boiler)
Controlled	
Stack ID	E-1
Stack Location	10 T 398.532 km E 4517.223 km N UTM NAD83
Device C-3	Forced Overfire Air System
Manufacturer	Zurn Air System
Description	Fan and piping which takes a portion of the air from the air heater that would otherwise be injected through the bottom of the combustion chamber and redirects it to the upper portion of the combustion chamber.
Operation	Operated to optimize the combustion and minimize CO emissions. It is adjusted by the boiler operator based on monitoring of CO levels and visual observation of combustion.
Pollutants controlled	CO, NOx
Emission Device	S-1 (Boiler)
Controlled	

- This permit authorizes the operation of the following monitoring equipment. The substitution with equivalent devices may occur if approval from the APCO is received prior to their installation and the devices are incorporated into the Facility's *Device Operational and Maintenance Plan*. [*District Rule 504(B)(1)*]

Table 3.0 Authorized Monitoring Equipment

Device	CEM and COM Systems
Manufacturers	CEMEX 200 CEM System NOx/O ₂ Analyzer - Brand-Gaus Model 7705 CO Analyzer - Fuji/CAI Model ZRH-1 COM - Durag Model D-R-290
Pollutants Monitored	NOx, O ₂ , CO
Source Monitored	Device S-1 (Boiler)

- The Permittee shall install and maintain a non-resettable fuel volume meter on the supplemental natural gas burners of Device S-1 (Boiler) to measure the amount of cubic feet of natural gas combusted. [*District Rule 102(E)*]
- The Permittee shall operate a continuous opacity monitoring system (COMS) meeting the standards set forth in 40 CFR 60.49b, at all times while fuel is being actively combusted in the Device S-1 (Boiler). The COMS shall determine the relative opacity of Device S-1 (Boiler) exhaust gases. The COMS shall be operated in such a manner as to conform with the requirements of 40 CFR Part 60, Appendix B, Performance Specification. Calibration checks shall be performed in accordance with 40 CFR 60.13. [*40 CFR 60.49b*]

6. The Permittee shall operate a continuous emissions monitoring system (CEMS) meeting the standards set forth in 40 CFR 60.49b, at all times while fuel is being actively combusted in the Device S-1 (Boiler). The CEMS shall monitor levels of carbon monoxides, and oxygen in the Device S-1 (Boiler) exhaust gases. The CEMS shall be operated in such a manner as to conform with the requirements of 40 CFR Part 60, Appendix B, Performance Specification. Calibration checks shall be performed in accordance with 40 CFR 60.13. [40 CFR 60.49b]
7. The Permittee shall install points of access to the Authorized Process Equipment, Control Equipment, and Monitoring Equipment such that compliance testing in accordance with the appropriate reference test methods can be performed. All points of access shall conform to the latest Cal-OSHA safety standards. For purposes of compliance with this part, appropriate test methods shall mean the test methods identified in the "Compliance Testing and Monitoring" section of this permit and the collection of gas samples with a portable NO_x, CO, and O₂ analyzer. Sample collection ports shall be located in accordance with 40 CFR Part 60 appendix A, and with the CARB document entitled *California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Emission Monitoring and Testing*. [NCUAQMD Rule 102(E) and 103(A)]

OPERATIONAL CONDITIONS

8. The Permittee shall operate S-1 (Boiler) such that the quantity of natural gas combusted in S-1 does not exceed:
 - a. 10% of the annual capacity factor for a calendar year; and
 - b. 270 million cubic feet (MCF) natural gas combusted per calendar year. [40 CFR 60.44b(d)]
9. The Permittee shall not operate S-1 (Boiler) such that steam production exceeds:
 - a. 180,000 pounds per hour on a monthly average basis; and
 - b. 1,576.8 million pounds per calendar year.
10. The Permittee shall only combust Wood Waste or Natural Gas in S-1 (Boiler).
11. The Permittee shall minimize S-1 (Boiler) startup and shutdown periods and conduct startups and shutdowns according to the manufacturer's recommended procedures. [40 CFR §63.11201(b)]
12. Prior to being discharged into the atmosphere, the Permittee shall direct the exhaust gases created from operation of the Authorized Process Equipment through the Authorized Control Equipment identified in Tables 1.0 and 2.0 of this permit.
13. The Permittee shall operate and maintain the Authorized Control Equipment at all times that fuel is being combusted in S-1 (Boiler), and in accordance with manufacturer's recommendations, the *Device Operational Plan*, and *Device Maintenance & Replacement Plan*.

14. The Permittee shall operate C-1 (ESP) whenever the excess O₂ level is below 10%, and any amount of fuel is being combusted in the device S-1 (Boiler).
15. The Permittee shall continuously maintain C-1 (ESP) in accordance with manufacturer's recommendations, the *Device Operational Plan*, the *Device Maintenance and Replacement Plan*, and the requirements of this section which shall include but not be limited to the following:
 - a. Inspection of each ESP rapper at least once per day. The inspection shall consist of a visual inspection of the rapper control settings and status lights. Individual rappers found to be out of service shall be identified and appropriate repairs performed on the rappers.
 - i. Permittee shall repair rappers that fail due to temporary short circuit or circuit overload that blow a fuse within 2 working days of identification;
 - ii. Permittee shall repair working rappers that fail due to an electric/electronic part within 30 days of identification; and
 - iii. These repair dates may be adjusted upon approval of the APCO.
 - b. Inspection of the ESP on a daily basis, according to the *Device Operational Plan*, and the *Device Maintenance and Replacement Plan*. The Inspection shall include, but not be limited to, a daily inspection and recording of each cell voltage, amperage and spark rate.
 - c. Maintain the primary and secondary current of each Transformer Rectifier (TR) set within a range, in amps, as determined from operational data obtained or as stated in the *Device Operational Plan*. An alarm shall be set in such a manner as to indicate current excursions from the established range.
 - d. Maintain the primary and secondary voltage of each Transformer Rectifier (TR) set within a range, in volts, as determined from operational data obtained or as stated in the *Device Operational Plan*. An alarm shall be set in such a manner as to indicate voltage excursions from the established range.
 - e. Maintain the spark rate in each ESP field within a range in sparks/minute as stated in the *Device Operational Plan*. An alarm shall be set in such a manner as to indicate spark rate excursions from the established range.
 - f. The ESP shall be maintained leak-free.
16. The Permittee shall inspect the ESP Rapper Control Panel to record the status, where appropriate action must be taken in the event a fault is observed in accordance with the *Device Operational Plan*, and the *Device Maintenance and Replacement Plan*.
17. The Permittee shall operate the C-1 (ESP) automatic rapping system, electric fields, and corona power levels, to maximize collection efficiency and minimize particulate re-entrainment, according to the manufacturer's specifications, and as identified in the *Device Operational Plan* and *Device Maintenance & Replacement Plan*.
18. The Permittee shall take immediate corrective action to restore compliant operation upon detection of a malfunction or breakdown condition that causes or may cause a violation of any emissions limitation, as established in this permit or in District rules. [NCUAQMD Rule 110(H)]

19. The Permittee shall maintain all ducting, housings, fans, chambers, exhaust stacks, and waste transfer and collection points in a leak-free state during all times of operation. Emissions of exhaust gases visible to the unaided human eye shall not occur at any point upstream of the final release point (stack). All material collected by C-1 (ESP) shall be kept in an enclosed container.
20. The Permittee shall implement, and maintain a written *Startup, Shutdown, and Malfunction Plan* as described in 40 CFR Part 63.6(e)(3) that contains specific procedures for maintaining the authorized equipment, associated control devices, associated CEMS, sensors, measuring devices, during periods of startup, shutdown, and malfunction. The plan must clearly describe the startup and shutdown sequence procedure for each unit. The plan shall also include a specific program of corrective actions to be implemented in the event of a malfunction in either the process or control systems. The plan shall be submitted to the APCO at least 60 days prior to initial startup. Modifications to the plan are subject to APCO approval and the Permittee shall not operate the authorized equipment and their associated control devices unless an APCO-approved *Startup, Shutdown, and Malfunction Plan* is in effect.
21. The Permittee shall implement, and maintain a written *Device Operational Plan* that contains specific procedures for operating the authorized equipment, associated control devices, associated CEMS, sensors, and measuring devices. The plan shall be consistent with the requirements of this permit, and all local, state and federal laws, rules, and regulations. The plan shall include, but not be limited to, daily system integrity inspections and the recording of operational parameters. The plan shall be submitted to the APCO at least 60 days prior to initial startup. Modifications to the plan are subject to APCO approval and the Permittee shall not operate the authorized equipment and their associated control devices unless an APCO-approved *Device Operational Plan* is in effect.
22. The Permittee shall implement, and maintain a written *Device Maintenance & Replacement Plan* that contains specific procedures for equipment maintenance and identifies replacement intervals for components of the authorized equipment, associated control devices, associated CEMS, sensors, and measuring devices. The plan shall be submitted to the APCO at least 60 days prior to initial startup. The plan is subject to APCO approval. Modifications to the plan are subject to APCO approval and the Permittee shall not operate the authorized equipment and their associated control devices unless an APCO-approved *Device Maintenance & Replacement Plan* is in effect.
23. The Permittee shall develop, implement, and maintain a *Compliance Assurance Monitoring Plan* in accordance with 40 CFR Part 64. The plan shall be submitted to the APCO within 120 days after the permit renewal date and is subject to APCO approval. The Permittee shall fully implement the plan elements effective the date of approval by the APCO.

EMISSION LIMITATIONS

24. The Permittee shall not discharge pollutants into the atmosphere from S-1 (Boiler) in excess of the following emission limits:
- a. Particulate Matter
 - i. Particulate loading - The Permittee shall not discharge particulate matter (PM) into the atmosphere in excess of 0.04 pounds per million Btu of heat input per hour. [40 CFR 60.44b(d), District Rule 102(E) and District Authority to Construct dated 1/14/87 and reissued on 4/26/89 and 9/24/91]
 - ii. Visible Emissions - The Permittee shall not cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. The opacity standard applies at all times except during periods of startup, shutdown, or malfunction. [40 CFR 60.43b(f)]
 - b. Carbon Monoxide – The Permittee shall not discharge carbon monoxide (CO) into the atmosphere in excess of the limits shown in Table 4.0 below. [District Rule 102(E) and District Authority to Construct dated 1/14/87 and reissued on 4/26/89 and 9/24/91]

Table 4.0 Device S-1 (Boiler) - Seasonal Tier Carbon Monoxide Emission Limits

Tier	June 1 st to October 31 st (Dry Season) Lb CO/MMBTU 24-Hour Average	November 1 st to May 31 st (Wet Season) Lb CO/MMBTU 24 Hour Average	Allowable Frequency in Each Tier for Each Month
1	1.8	2.5	CO emissions may not exceed the Tier 1 limit except as noted below for Tier 2 and Tier 3.
2	$1.8 < x \leq 2.3$	$2.5 < x \leq 3.3$	CO emissions shall not occur in the Tier 2 and Tier 3 ranges for more than eight (8) 24 hour averages each month.
3	$2.3 < x \leq 3.0$	$3.3 < x \leq 4.0$	CO emissions shall not occur in the Tier 3 range for more than three (3) 24 hour averages each month.

- c. Nitrogen Oxides - The Permittee shall not discharge nitrogen oxides (as NO₂) into the atmosphere in excess of the following limits shown in Table 4.1 below. [District Rule 102(E) and District Authority to Construct dated 1/14/87 and reissued on 4/26/89 and 9/24/91]

Table 4.1 Device S-1 (Boiler) - Seasonal Tier Nitrogen Oxides Emission Limits

Tier	Lb NOx/MMBTU 24-Hour Average	Allowable Frequency in Each Tier for Each Month
1	0.16	NOx emissions may not exceed the Tier 1 limit except as noted below for Tier 2 and Tier 3.
2	$0.16 < x \leq 0.18$	NOx emissions shall not occur in the Tier 2 <i>and</i> Tier 3 ranges for more than eight (8) 24 hour averages each month.
3	$0.18 < x \leq 0.23$	NOx emissions shall not occur in the Tier 3 range for more than three (3) 24 hour averages each month.

25. The Permittee shall not discharge pollutants into the atmosphere from release point E-1 (Main Stack) in excess of the following limits listed in Table 4.2 below.

Table 4.2 – Release Point E-1 (Main Stack) Emission Limits

Pollutant	Emission Rate	
	lb/hr	tons/year
PM ₁₀	12.6	55.4
PM _{2.5}	12.6	55.4
NOx	154.8	236
VOC	5.37	23.5
CO	1,264	3,316
SOx	7.9	34.6

26. The Permittee shall not discharge particulate matter into the atmosphere from release point E-1 (Main Stack) in excess of 0.1 grains per standard cubic foot of exhaust gas, calculated to 12% carbon dioxide. [NCUAQMD Rule 104(C)(2)]
27. The Permittee shall not discharge hydrogen chloride (HCl) into the atmosphere from release point E-1 (Main Stack) in excess of 9.9 tons per calendar year.

COMPLIANCE TESTING & MONITORING

28. The Permittee shall demonstrate compliance with the emission limits identified in this permit for device S-1 (Boiler) using the following methods. The Permittee shall cause an independent party, which is CARB certified, to conduct the source tests. All source tests shall be conducted at an operating capacity of 90% or greater of the permitted production capacity as stated in this permit, or under conditions determined by the APCO to most challenge the emission control equipment. Testing shall only be conducted while greater than 90% of the heat input to the device is derived from wood waste. [*District Rule 504(D)*]
- a. Particulate matter:
 - i. CARB Method 5
 - ii. The Permittee shall be required to have particulate matter emissions from S-1 (Boiler) tested once per calendar year. If reported values for particulate matter are at or below 75% of the permitted limit for at least 2 consecutive years, then the next 2 years of source tests may be waived. In that case, a source test must be conducted during the third year and no more than 37 months after the previous source test.
 - b. Visible emissions:
 - i. The Permittee shall operate and maintain at all times a continuous opacity monitoring system (COMS). [*40 CFR 60.48b(a)*]
 - ii. The COMS shall be operated in conformance with 40 CFR 60, Appendix B, Performance Specification 1. [*40 CFR 60.49b(b)*]
 - c. Carbon monoxide, nitrogen oxides and oxygen:
 - i. The Permittee shall operate at all times and maintain a continuous emissions monitoring system (CEMS) for the determination of carbon monoxide, nitrogen oxides and oxygen from the S-1 (Boiler).
 - ii. The CEMS shall be operated in conformance with 40 CFR 60, Appendix B, Performance Specifications and Appendix F, Quality Assurance Procedures.
 - iii. Monitoring shall be conducted in accordance with 40 CFR 60.13.
 - d. Hydrogen chloride:
 - i. EPA Method 26 or 26A
 - ii. The Permittee shall conduct fuel sampling for chlorine content in conjunction with the source test in accordance with 40 CFR 63.7521 (c) – (e).
 - iii. The Permittee shall be required to have the hydrogen chloride emissions from S-1 (Boiler) tested once per calendar year. If reported values for hydrogen chloride are at or below 75% of the permitted limit for at least 2 consecutive years, then the next 2 years of source tests may be waived. In that case, a source test must be conducted during the third year and no more than 37 months after the previous source test.
 - e. Annual Relative Accuracy Test Audit (RATA)
 - i. In order to verify compliance with emissions limits, the Permittee shall perform an annual Relative Accuracy Test Audit (RATA) for Carbon Monoxide, Nitrogen Oxides and Oxygen on the CEMS.

29. The Permittee shall report facility operating conditions, including the status of process and control systems, which occurred during the performance tests. The Permittee shall record and include in the final report the following operational parameters taken during compliance testing: [*District Rule 504(D) and Rule 103 (F)*]
 - a. Device S-1 (Boiler):
 - i. Boiler steam rate (lbs/hour),
 - ii. Wood fuel moisture content (%),
 - iii. Percent overfire air (%),
 - iv. Wood waste input (BDT and MMBtu/hour), and
 - v. Natural gas input (scf and MMBtu/hour).
 - b. Electrostatic Precipitator (ESP):
 - i. Primary and secondary amperage of the Transformer Rectifier (TR) set
 - ii. Primary and secondary voltage of the Transformer Rectifier (TR) set
 - iii. Spark rate in each ESP field
30. The Permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the CEMS equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F.
31. The Permittee shall provide written notification to the District identifying the date the Authorized Equipment is to undergo testing for purposes of satisfying provisions of this Permit. Notification shall be made no later than 60 days prior to testing and shall include a compliance testing plan. The plan shall be subject to APCO review and approval. Testing conducted without an APCO-approved plan may be considered invalid or inadequate for compliance purposes. [*NCUAQMD Rule 102(E)*]
32. Source test results shall be summarized in a written report and submitted to the District directly from the independent source testing firm on the same day, the same time, and in the same manner as submitted to Permittee, no later than 60 days after the testing is completed. [*NCUAQMD Rule 102(E)*]
33. Relative accuracy test audits (RATAs) shall be performed on each CEMS at least once every 12 months, in accordance with the requirements of 40 CFR 60, Appendix B. Calibration Gas Audits of CEMS shall be conducted quarterly, except during quarters in which relative accuracy and total accuracy testing is performed, in accordance with EPA guidelines. The APCO shall be notified in writing at least 30 days in advance of the scheduled date of the audits. Audit reports shall be submitted along with quarterly compliance reports to the APCO within 60 days after the testing was performed.
34. The Permittee shall conduct a tune-up of S-1 (Boiler) biennially, pursuant to 40 CFR §63.11223(b)(1)-(6). Each biennial tune-up must be conducted no more than 25 months after the previous tune-up. [*40 CFR §63.11223*]

RECORDKEEPING & REPORTING

35. The Permittee shall record S-1 (Boiler) operational parameters as listed in Table 5.0 below.
[NCUAQMD Rule 102(E)]

Table 5.0 Recordkeeping (Boiler)

Frequency	Information to be recorded
At All Times	<p>A. Exhaust gas temperature (degrees Fahrenheit)</p> <p>B. Opacity data, from averages of samples collected every 15 seconds, averaged over periods of 6-minute increments</p>
Upon Occurrence	<p>C. Maintenance or repairs performed</p> <p>D. Equipment breakdown or malfunction</p> <p>E. Excessive emission events</p> <p>F. S-1 (Boiler) startup and shutdown events</p> <p>G. Any periods during which the COMS or CEMS are inoperative</p> <p>H. Performance testing, evaluations, calibration checks, adjustments, and maintenance of COMS or CEMS</p>
Hourly	<p>I. C-1 (ESP) rapper control panel status</p> <p>J. C-1 (ESP) transformer rectifier set current</p> <p>K. C-1 (ESP) transformer rectifier set voltage</p> <p>L. C-1 (ESP) spark rate of each section</p> <p>M. Quantity of steam produced (KPPH)</p> <p>N. Hourly average emissions: NO_x, CO, O₂ (lb/MMBtu)</p>
Daily	<p>O. S-1 (Boiler) hours of operation</p> <p>P. Quantity of Wood Waste (BDT, MMBtu) combusted in S-1 (Boiler)</p> <p>Q. Quantity of natural gas (scf, MMBtu) combusted in S-1 (Boiler)</p> <p>R. Daily block average emissions: CO, NO_x, O₂ (lb/MMBtu)</p> <p>S. C-1 (ESP) maintenance, inspections, and repairs:</p> <ul style="list-style-type: none"> i. Identification of the equipment ii. Date of inspection iii. Corrective action taken iv. Identification of the individual performing inspection
Monthly	<p>T. Quantity of Wood Waste (BDT, MMBtu) combusted in S-1 (Boiler)</p> <p>U. Quantity of natural gas (scf, MMBtu) combusted in S-1 (Boiler)</p> <p>V. Quantity of steam produced (KPPH)</p> <p>W. Number of days operated in each seasonal tier range for CO and NO_x.</p> <p>X. Moisture content of Wood Waste combusted (% of weight)</p> <p>Y. Quantity of emissions (tons): PM, NO_x, CO, VOC, SO_x</p> <p>Z. 12-month rolling annual capacity factor for natural gas</p>

Annually	AA. Quantity of Wood Waste (BDT) combusted in S-1 (Boiler) BB. Quantity of natural gas (scf, MMBtu) combusted in S-1 (Boiler) CC. Quantity of steam produced (KPPH) DD. Quantity of emissions (tons): PM, NOx, CO, VOC, SOx
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36. The Permittee shall submit the following reports to the District according to the interval listed.

Table 6.0 Facility Wide - Reporting

Frequency	Information to be Reported
Upon occurrence	A. All occurrences of excess emissions in accordance with the timing requirements of District Rule 105(D) Equipment Breakdown and Rule 502(I) Emergency Events.
Monthly - by the 15th of the following month	B. Identify any deviation from permit requirements, including a summary of those deviations attributable to breakdowns reported in accordance with District Rule 105(D). C. Daily block average emissions: CO, NOx, O ₂ (lb/MMBtu). D. Number of days operated in each seasonal tier range for CO and NOx. E. Hourly average steam production for S-1 (Boiler), averaged over the calendar month. F. Amount of natural gas combusted by S-1 (Boiler), in scf and MMBtu. G. Calculation of the annual capacity factor for natural gas on a 12-month rolling average basis. [40 CFR 60.49(b)(d)] H. Quantity of Wood Waste (BDT) combusted in S-1 (Boiler) I. Moisture content of Wood Waste combusted (% of weight)
Yearly – by January 30th of the following year	J. Quantity of emissions (tons): PM, NOx, CO, VOC, SOx K. Number of operating days of S-1 (Boiler). L. Quantity of steam produced (KPPH) M. Quantity of natural gas (scf, MMBtu) combusted in S-1 (Boiler) N. Quantity of Wood Waste (BDT) combusted in S-1 (Boiler) O. Moisture content of Wood Waste combusted (% of weight) P. Activity of Insignificant Emission Units Q. Deviation Log R. Excess Emissions Log

37. The Permittee shall create and maintain a *Deviation Log* for the purpose of recording deviations from federal, state, and local air quality laws, rules, and permit conditions. For each event, the Log shall describe the deviation, it shall reflect the date and time of the deviation event began, the cause of the deviation, the corrective actions taken to minimize emissions, and the date and time when the deviation was corrected. The description of the deviation event, and the date and time it began shall be immediately recorded in the Deviation Log. The remainder of the required information shall be recorded within 10 days of when the event began.

38. The Permittee shall create and maintain an *Excess Emissions Log* for the purpose of recording events where pollutants are emitted from the Authorized Equipment in excess of federal, state, and local air quality laws, rules, and permit conditions. The information listed below shall be recorded within 10 days of when the event began:
- a. Date and time of the excess emission event;
 - b. Duration of the excess emission event;
 - c. Description of the condition or circumstance causing or contributing to the excess emission event;
 - d. Emission unit or control device or monitor affected;
 - e. Estimation of the quantity and type of pollutants released;
 - f. Description of corrective action taken; and
 - g. Actions taken to prevent reoccurrence of excess emission event.
39. The Permittee shall provide to the APCO a completed *Compliance Certification Form*, signed by the facility's Responsible Official, which certifies the compliance status of the facility, twice per calendar year. The *Compliance Certification Form* must be submitted to the District according to the following schedule: the semiannual certification (covering quarters 1 and 2) must be submitted prior to July 31st of the reporting year, and the annual certification (covering quarters 1, 2, 3, and 4) prior to March 1st of the following calendar year. The content of the Certification shall include copies of the records designated in Table 5.0 (Recordkeeping) to be kept annually.
40. For each quarter, the Permittee shall submit a written report to the APCO detailing the following items for the operation of the CEMS. The report shall conform to the requirements of District Rules and Regulations Appendix B, Section 2.2, and shall be submitted within 30 days of the end of the quarter.
- a. Time intervals;
 - b. Date and magnitude of excess emissions;
 - c. Nature and cause of excess (if known);
 - d. Corrective actions taken and preventive measures adopted;
 - e. Averaging period used for data reporting shall correspond to the averaging period for each respective emission standard;
 - f. Applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and
 - g. A negative declaration when no excess emissions occurred.
41. The Permittee shall continuously maintain the records required in this section for the most recent five-year period. Records shall be retained on-site, either at a central location or at the equipment's location, and shall be made immediately available to the District staff upon request. [NCUAQMD Rule 102(E)]

Permit Number: #000984-2

Name: Emergency Compression Ignition Engine – Standby Generator

AUTHORIZED EQUIPMENT

1. This permit authorizes the installation and operation of the following equipment:

Table 1.0 - Authorized Process Equipment

Device S-2	Emergency Standby Diesel CI Engine
Application	Standby Generator
SCC	20200102
Model	Caterpillar 3306B
Engine Family	n/a (Tier 0)
Size	245 Hp (183 kW) @ 1800 rpm Standby
Year	1991
Serial Number	85Z06935
Heat Input Rate	1.7 MMBtu/hr (12.3 gal/hr)
Release Point	E-2
Stack Location	10 T 398.532 km E 4517.223 km N UTM NAD83

2. The Permittee shall utilize and maintain a non-resettable hour meter with a minimum display capability of 9,999 hours upon S-2 (Standby Generator). [17 CCR §93115.10(d) effective May 19, 2011]

OPERATIONAL CONDITIONS

3. The Permittee shall only operate S-2 (Standby Generator) using one of the following fuels:
- a. CARB Diesel Fuel, or
 - b. An alternative diesel fuel that meets the requirements of the Verification Procedure (as codified in CCR Title 13 Sections 2700-2710), or
 - c. CARB Diesel Fuel used with fuel additives that meets the requirements of the Verification Procedure (as codified in CCR Title 13 Sections 2700-2710), or
 - d. Any combination of a) through c) above.
4. S-2 (Standby Generator) is authorized the following maximum allowable annual hours of operation as listed in Table 2.0 below: [17 CCR §93115 effective May 19, 2011]

Table 2.0 - Hours of Operation for S-2 (Emergency CI Engine)

Emergency Use	Non-Emergency Use	
	Emission Testing to show compliance	Maintenance & Testing
Not Limited by the ATCM	Not Limited by the ATCM	20 hours/year

5. The Permittee shall only operate S-2 (Standby Generator) in accordance with the most recent amendment of Title 17, California Code of Regulations section 93115.6(a)(3)(A), ATCM for Stationary CI Engines.
6. The Permittee shall take immediate corrective action to restore compliant operation upon detection of a malfunction or breakdown condition that causes or may cause a violation of any emissions limitation, as established in this permit or in District rules. [NCUAQMD Rule 102(E)]

EMISSION LIMITATIONS

7. The Permittee shall not discharge pollutants into the atmosphere from release point E-2 (Generator Stack) in excess of the following limits in Table 3.0 below. Emissions generated during an emergency event or during emission testing for compliance purposes shall not contribute towards the hourly or annual emission limits. [NCUAQMD Rule 102(E)]

Table 3.0 – E-2 (Generator Stack) Emission Limits

Pollutant	Emission Rate	
	lb/hr	tons/year
PM ₁₀	0.77	7.70E-03
PM _{2.5}	0.77	7.70E-03
NO _x	10.9	1.09E-01
VOC	0.88	8.80E-03
CO	2.34	2.34E-02
SO _x	0.72	8.80E-03

8. The Permittee shall not operate S-2 (Standby Generator) such that any air contaminant is discharged in excess of 20% opacity, or as dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, calculated as a six-minute average. [NCUAQMD Rule 104(B)(3)]
9. The Permittee shall not discharge particulate matter into the atmosphere from release point E-2 (Generator Stack) in excess of 0.20 grains per cubic foot of dry gas calculated to 12% CO₂ at standard conditions. [NCUAQMD Rule 104(C)(1)]

COMPLIANCE TESTING & MONITORING

10. The Permittee shall determine visible emissions from S-2 (Standby Generator) using EPA Reference Method 9 (Visible Emissions Evaluation) within 30 days after being directed by the APCO. [NCUAQMD Rule 102(E)]
11. The Permittee shall determine emission rates from S-2 (Standby Generator) using the test methods listed in 17 CCR §93115.14(a) within 30 days after being directed by the APCO. [NCUAQMD Rule 102(E)]

RECORDKEEPING & REPORTING

12. The Permittee shall record S-2 (Standby Generator) operational parameters as listed in Table 4.0 below. [17 CCR §93115.10(g) effective May 19, 2011]

Table 4.0 Recordkeeping – S-2 (Standby Generator)

Frequency	Information to be recorded
Upon Occurrence	A. Maintenance or repairs performed B. Equipment breakdown or malfunction C. Excessive emission events
Monthly	D. Emergency hours of operation E. Maintenance and testing hours of operation F. Emission testing hours of operation G. Quantity (gallons) of CARB Diesel combusted
Annually	H. Emergency hours of operation I. Maintenance and testing hours of operation J. Emission testing hours of operation K. Quantity (gallons) of CARB Diesel combusted

14. The permittee shall document the use of CARB Diesel through the retention of fuel purchase records indicating that the only fuel purchased for supply to S-2 (Standby Generator) was CARB Diesel. [NCUAQMD Rule 102(E)]
15. The Permittee shall retain records required by this section for a minimum of 36 months. Records shall be retained on-site, either at a central location or at the engine's location, and shall be made immediately available to the District staff upon request. [NCUAQMD Rule 102(E)]
16. The Permittee shall provide information requested by the NCUAQMD for emission inventory purposes within thirty (30) days of receiving the request. [NCUAQMD Rule 103(F)]

Permit Number: #000985-2

Name: Emergency Compression Ignition Engine – Fire Pump

AUTHORIZED EQUIPMENT

1. This permit authorizes the installation and operation of the following equipment:

Table 1.0 - Authorized Process Equipment

Device S-3	Emergency Standby Diesel CI Engine
Application	Fire Pump
SCC	20200102
Model	Cummins V-378-F2
Engine Family	n/a (Tier 0)
Size	137 Hp @ 3300 rpm Standby
Year	1986
Serial Number	20243574
Heat Input Rate	1.0 MMBtu/hr (6.9 gal/hr)
Release Point	E-3
Stack Location	10 T 398.612 km E 4517.420 km N UTM NAD83

2. The Permittee shall utilize and maintain a non-resettable hour meter with a minimum display capability of 9,999 hours upon S-3 (Fire Pump). [17 CCR §93115.10(d) effective May 19, 2011]

OPERATIONAL CONDITIONS

3. The Permittee shall only operate S-3 (Fire Pump) using one of the following fuels:
- a. CARB Diesel Fuel, or
 - b. An alternative diesel fuel that meets the requirements of the Verification Procedure (as codified in CCR Title 13 Sections 2700-2710), or
 - c. CARB Diesel Fuel used with fuel additives that meets the requirements of the Verification Procedure (as codified in CCR Title 13 Sections 2700-2710), or
 - d. Any combination of a) through c) above.
4. S-3 (Fire Pump) is authorized the following maximum allowable annual hours of operation as listed in Table 2.0 below: [17 CCR §93115 effective May 19, 2011]

Table 2.0 - Hours of Operation for S-3 (Fire Pump)

Emergency Use	Non-Emergency Use	
	Emission Testing to show compliance	Maintenance & Testing
Not Limited by the ATCM	Not Limited by the ATCM	20 hours/year

5. The Permittee shall only operate S-3 (Fire Pump) in accordance with the most recent amendment of Title 17, California Code of Regulations section 93115.6(a)(3)(A), ATCM for Stationary CI Engines.
6. The Permittee shall take immediate corrective action to restore compliant operation upon detection of a malfunction or breakdown condition that causes or may cause a violation of any emissions limitation, as established in this permit or in District rules. [NCUAQMD Rule 102(E)]

EMISSION LIMITATIONS

7. The Permittee shall not discharge pollutants into the atmosphere from release point E-3 (Fire Pump Stack) in excess of the following limits in Table 3.0 below. Emissions generated during an emergency event or during emission testing for compliance purposes shall not contribute towards the hourly or annual emission limits. [NCUAQMD Rule 102(E)]

Table 3.0 – E-3 (Fire Pump Stack) Emission Limits

Pollutant	Emission Rate	
	lb/hr	tons/year
PM ₁₀	0.30	3.01E-03
PM _{2.5}	0.30	3.01E-03
NO _x	4.25	4.25E-02
VOC	1.30	3.2E-02
CO	0.92	9.15E-03
SO _x	0.34	3.44E-03.0

8. The Permittee shall not operate S-3 (Fire Pump) such that any air contaminant is discharged in excess of 20% opacity, or as dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, calculated as a six-minute average. [NCUAQMD Rule 104(B)(3)]
9. The Permittee shall not discharge particulate matter into the atmosphere from release point E-3 (Fire Pump Stack) in excess of 0.20 grains per cubic foot of dry gas calculated to 12% CO₂ at standard conditions. [NCUAQMD Rule 104(C)(1)]

COMPLIANCE TESTING & MONITORING

10. The Permittee shall have the visible emissions from the Emergency Diesel CI Engine determined using EPA Reference Method 9 (Visible Emissions Evaluation) for opacity of exhaust gases within thirty (30) days after being directed by the APCO. [NCUAQMD Rule 102(E)]
11. The Permittee shall determine emission rates from S-2 (Fire Pump) using the test methods listed in 17 CCR §93115.14(a) within 30 days after being directed by the APCO. [NCUAQMD Rule 102(E)]

RECORDKEEPING & REPORTING

13. The Permittee shall record S-3 (Fire Pump) operational parameters as listed in Table 4.0 below. [17 CCR §93115.10(g) effective May 19, 2011]

Table 4.0 Recordkeeping – S-3 (Fire Pump)

Frequency	Information to be recorded
Upon Occurrence	A. Maintenance or repairs performed B. Equipment breakdown or malfunction C. Excessive emission events
Monthly	D. Emergency hours of operation E. Maintenance and testing hours of operation F. Emission testing hours of operation G. Quantity (gallons) of CARB Diesel combusted
Annually	H. Emergency hours of operation I. Maintenance and testing hours of operation J. Emission testing hours of operation K. Quantity (gallons) of CARB Diesel combusted

14. The permittee shall document the use of CARB Diesel through the retention of fuel purchase records indicating that the only fuel purchased for supply to S-3 (Fire Pump) was CARB Diesel. [NCUAQMD Rule 102(E)]
15. The Permittee shall retain records required by this section for a minimum of 36 months. Records shall be retained on-site, either at a central location or at the engine's location, and shall be made immediately available to the District staff upon request. [NCUAQMD Rule 102(E)]
16. The Permittee shall provide information requested by the NCUAQMD for emission inventory purposes within thirty (30) days of receiving the request. [NCUAQMD Rule 103(F)]

FACILITY ANNUAL EMISSION LIMITS

1. The Permittee shall not discharge pollutants from the total of the facility's permitted emission units in excess of the limits shown in the table below during any calendar year. The total facility annual emission limits apply as well as any individual device emission limits listed in this permit.

Pollutant	Emission Rate (Tons/Year)
PM	55.5
NOx	237
CO	3,316
VOC	23.5
SOx	34.7

INSIGNIFICANT EMISSIONS UNITS

1. The following systems are considered insignificant emissions units and are not subject to equipment specific requirements. However, these units are required to comply with all applicable Local Enforceable Only general requirements, District Rules, and State and Federal laws. [NCUAQMD Rule 102(D)]

Exempt Equipment	SCC	Equipment Description	Reportable Units
Cooling Tower	38500101	Mechanical Draft	Gallons of Water Cooled
Fuel Dispensing Facility	40600651	Diesel fuel pumps	Gallons of Fuel Dispensed
Fuel Storage	40400316	Aboveground Diesel tanks	Gallons of Fuel Throughput
Lube Oil Tanks	40400313	Bulk tanks (unused oil) 55 gallon drums (used oil) Holding tank (in-use oils)	Gallons of oil Throughput
Oil/Water Separator	50300713	Oil/Water Separator	Gallons of Water Processed
Confined Solvent and Paint Use	40200110	General Operations (facility wide)	Gallons of Solvent/Paint Used
Welding Shop	30900500	Welding Shop	Pounds of Welding Rod Used

AUTHORIZING SIGNATURE

**NORTH COAST UNIFIED
AIR QUALITY
MANAGEMENT DISTRICT**

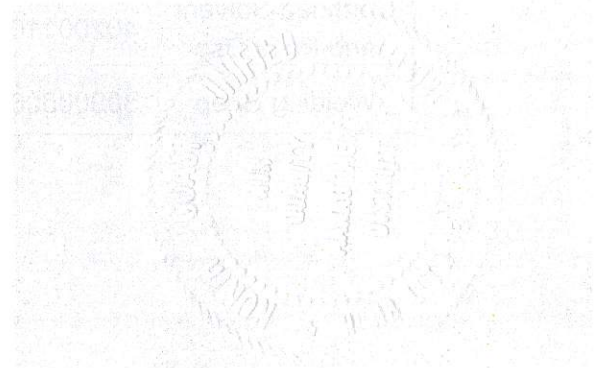
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DATE: 4/1/19

BY: 

BRIAN M. WILSON
AIR POLLUTION CONTROL OFFICER



Permit Seal