Bay Area Air Quality Management District

375 Beale Street, Suite 600
San Francisco, CA 9410~~6~~5
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Draft

MAJOR FACILITY REVIEW PERMIT

Issued To:

University of California, Berkeley
Facility #A0059

Facility Address:
University of California, Berkeley Campus
Berkeley, CA 94720

Mailing Address:
317 University Hall #1150
Berkeley, CA 94720

Responsible Official	**Facility Contact**
Randy Howard Katz	Bernadette Santos
Vice Chancellor of Research	Environmental Protection Specialist
510-642-7540	510-642-3073

Type of Facility: University
Primary SIC: 8221
Product: Education

BAAQMD Engineering Division Contact:
Alfonso Borja

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Jack P. Broadbent, Executive Officer/APCO Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/4/11);

SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 12/6/173/4/09);

~~SIP Regulation 2, Rule 1 - Permits, General Requirements~~
~~(as approved by EPA through 8/1/161/26/99);~~

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 12/6/176/15/05);

~~SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration~~
~~(as approved by EPA through 8/1/161/26/99);~~

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/6/1712/21/04);

~~SIP Regulation 2, Rule 4 - Permits, Emissions Banking~~
~~(as approved by EPA through 12/6/171/26/99);~~

BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 12/7/161/6/10);

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 12/6/174/16/03);and

SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 6/23/95)

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on _____, and expires on _____. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than ___, and no earlier than__. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after ___.** If the permit renewal has not been issued by _____, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)

2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

I. Standard Conditions

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit that the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

I. Standard Conditions

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment that is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of entry. (Regulation 2-6-501, MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The reports shall be for the following periods: ~~February~~ April 1st through ~~July 31st~~ September 30th and ~~August~~ October 1st through ~~January 31st~~March 31st of the following year, and are due on the last day of the month after the end of the reporting period. An additional monitoring report for February 1st through March 31st must be submitted in 2020. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent by e-mail to compliance@baaqmd.gov or by postal mail to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105
Attn: Title V Reports

(Regulation 2-6-502, MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Director of Enforcement and Compliance at the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be ~~February~~ October 1st through ~~January~~ September 30th ~~31st~~ of the following year. The certification shall be submitted by ~~February 28th or 29th~~ October 31st of each

I. Standard Conditions

year. An additional compliance certification for February 1st through September 30th must be submitted in 2020. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. ~~The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms.~~ The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address or email to r9.aeo@epa.gov:

Director of the Enforcement Division,
TRI & Air Section (ENF-2-1)
USEPA, Region 9
75 Hawthorne Street
San Francisco, CA 94105

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)

2 The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)

3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

II. EQUIPMENT LIST

Table II-A- Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S#	Description	Make or Type	Model	Capacity
2	Boiler No. 2 (natural gas, distillate oil)	Union Iron Works	FGR and Low NOx	137 MMbtu/hr
3	Boiler No. 3 (natural gas, distillate oil)	Erie City	FGR and Low NOx	~~137~~135 MMbtu/hr
4	Boiler No. 4 (natural gas, distillate oil)	Erie City	FGR and Low NOx	~~137~~135 MMbtu/hr
62	Standby Diesel Generator	Caterpillar	2001	764 hp
63	Standby Diesel Generator	Caterpillar	2001	765 hp
64	Standby Diesel Generator	Caterpillar	2002	117 hp
65	Standby Diesel Generator	Cummins	2003	1135 hp
100	Facility-wide Painting Operations	Various booths		
105	Emergency Diesel Generator	Caterpillar	1998	116 hp
106	Emergency Diesel Generator	Caterpillar	1992	116 hp
107	Emergency Diesel Generator	Cummins	1987	805 hp
108	Emergency Diesel Generator	Cummins	1986	805 hp
109	Emergency Diesel Generator	Detroit Diesel	1996	671 hp
110	Emergency Diesel Generator	Volvo Penta	1999	402 hp
111	Emergency Diesel Generator	Ford	1995	385 hp
112	Emergency Diesel Generator	Caterpillar	1993	335 hp
113	Emergency Diesel Generator	Caterpillar	1993	335 hp
114	Emergency Diesel Generator	Caterpillar	1995	335 hp
115	Emergency Diesel Generator	Caterpillar	1995	335 hp
116	Emergency Diesel Generator	Detroit Diesel	1995	335 hp
117	Emergency Diesel Generator	Detroit Diesel	1992	335 hp
118	Emergency Diesel Generator	Allis-Chalmers	1999	335 hp
120	Emergency Diesel Generator	John Deere	1981	169 hp
121	Emergency Diesel Generator	Allis-Chalmers	1977	168 hp
122	Emergency Diesel Generator	John Deere	1998	168 hp
123	Emergency Diesel Generator	Cummins	1991	168 hp
125	Emergency Diesel Generator	Caterpillar	1999	166 hp

II. Equipment List

Table II-A- Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S#	Description	Make or Type	Model	Capacity
126	Emergency Diesel Generator	Cummins	1998	107 hp
128	Emergency Diesel Generator	John Deere	1994	67 hp
129	Emergency Diesel Generator	Cummins	1984	67 hp
130	Emergency Diesel Generator	Cummins	2002	277 hp
131	Emergency Diesel Generator	Caterpillar	2002	116 hp
132	Emergency Diesel Generator	Caterpillar	2002	116 hp
133	Emergency Diesel Generator	Cummins	2002	955 hp
139	Emergency Natural Gas Electrical Generator	Ford	1965	60 hp
140	Emergency Natural Gas Electrical Generator		1972	60 hp
142	Emergency Diesel Generator	Caterpillar	2004	382 hp
143	Emergency Diesel Generator	Caterpillar	2004	382 hp
144	Emergency Diesel Generator	Kohler	2004	2936 hp
145	Emergency Diesel Generator	Caterpillar	2003	2,848 hp
146	Emergency Diesel Generator	Cummins	2005	750 hp
148	Emergency Diesel Generator	Caterpillar	2007	2,206 hp
149	Emergency Diesel Generator	Detroit Diesel	2008	2,561 hp
150	Emergency Diesel Generator	Cummins	2010	250 hp
151	Standby Generator Set, natural gas	General Motors	2010	66.5 hp
152	Emergency Diesel Generator	AB Volvo	2010	904 hp
153	Emergency Diesel Generator	John Deere	2010	197 hp
154	Emergency Diesel Generator	John Deere	2011	97 hp
155	Emergency Diesel Generator	Cummins	2011	1,490 hp
156	Standby Diesel Generator	John Deere	2013	197 hp
157	Emergency Diesel Generator	John Deere	2013	538 hp
158	Emergency Diesel Generator	Perkins	2013	762 hp
159	Emergency Standby Natural Gas Generator Set	Olympian	2013	99.58 hp
160	Emergency Diesel Generator	Caterpillar	2014	480 hp
162	Emergency Diesel Generator	Cummins	2015	324 hp
163	Emergency Diesel Generator	Caterpillar	2016	762 hp

II. Equipment List

Table II-A- Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S#	Description	Make or Type	Model	Capacity
200	Emergency Diesel Engine-Generator	General Motor	16VA19034, 1985	950 bhp, 1136 cubic inch
201	Turbine, 23.5 MW (Natural gas, distillate oil)	General Electric	LM-2500	243 MMbtu/hr
202	Duct Burner (Natural gas)	COEN	PowerPlus	84.0 MMbtu/hr

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
142	Diesel Particulate Filter, CleanAIR	S142			85% control of diesel particulate
143	Diesel Particulate Filter, CleanAIR	S143			85% control of diesel particulate
144	Diesel Particulate Filter, CleanAIR	S144			85% control of diesel particulate
163	Diesel Particulate Filter, Rypos	S163	CARB Executive Order DE-07-001-06		85% control of diesel particulate

II. Equipment List

Table II-C- Portable Equipment

This equipment is not subject to Title V permits in accordance with BAAQMD Regulation 2-6-113.

S#	Description	Make or Type	Model	Capacity
161	Portable Emergency Diesel Generator	Isuzu	2007	98.6 hp

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements would not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit. This section also contains provisions that may apply to temporary sources.

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s):
   The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors.
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP:
   The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is on EPA Region 9's website. The address is ~~http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions.~~

https://www.epa.gov/sips-ca/epa-approved-bay-area-air-district-regulations-california-sip

NOTE:
There are differences between current BAAQMD rules and the versions of the rules in the SIP. . All sources must comply with both versions of a rule until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (12/6/17~~3/4/09~~)	~~N~~Y
BAAQMD Regulation 2-1-429	Federal Emissions Statement (12/21/04)	~~N~~Y

Renewal date:

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 2-1-429	Federal Emissions Statement (4/3/95)	Y
~~SIP Regulation 2, Rule 1~~	~~General Requirements (1/26/99)~~	~~Y~~
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (5*/28~~8/06~~/90)	Y
SIP Regulation 4, Table 1	Air Pollution Episode Plan, Episode Stage Criteria (8/6/90)	Y
BAAQMD Regulation 5	Open Burning (6/19/13~~7/9/08~~)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (~~12/5/07~~8/1/18)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (~~1/2/04~~3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/1/09)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (~~11/21/01~~12/6/04)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds – General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 11, Rule 18	Reduction of Risk from Air Toxic Emissions at Existing Facilities (11/15/17)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
BAAQMD Regulation 14, Rule 1	Mobile Source Emission Reduction Methods – Bay Area Commuter Benefits Program (3/19/14)	N
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measures for Stationary Compression Ignition Engines	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (~~2/21/95~~12/1/16)	
Subpart F, 40 CFR 82.156	Recycling and Emissions Reductions –Required Practices	Y
Subpart F, 40 CFR 82.161	Recycling and Emissions Reductions – Technician Certification	Y
Subpart F, 40 CFR 82.166	Recycling and Emissions Reductions – Reporting and Recordkeeping Requirements	Y
Subpart H	Protection of Stratospheric Ozone; Halon Emissions Reduction (03/05/98)	Y
Subpart H 82.270(b)	Prohibitions, Halon (03/05/98)	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s):
   The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP:
   The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is ~~http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District_Agency_Wide+Provisions~~.

https://www.epa.gov/sips-ca/epa-approved-bay-area-air-district-regulations-california-sip

All other text may be found in the regulations themselves.

Table IV-A
Source-specific Applicable Requirements
S2, S3, S4, Boilers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/04/11)**		
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		

Renewal date:

IV. Source-Specific Applicable Requirements

Table IV-A
Source-specific Applicable Requirements
S2, S3, S4, Boilers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (8/1/18)**		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.1 and 310.3	0.15 grain per dscf at 6% O_2	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-303	Ringelmann Number 2 Limitation	Y	
6-303.1	Ringelmann Number 2 Limitation for engines	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	0.15 grain per dscf at 6% O_2	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)**		
9-7-112	Limited Exemption, Low Fuel Usage, Section 9-7-307	N	
9-7-112.2	NOx and CO limits for devices with rated heat input over 10MMBtu/hr	N	
9-7-504	Low Fuel Usage - Monitoring and Records	N	
SIP Regulation 9,	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial**		

IV. Source-Specific Applicable Requirements

Table IV-A
Source-specific Applicable Requirements
S2, S3, S4, Boilers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 7	**Boilers, Steam Generators, and Process Heaters (9/15/93)**		
9-7-301	Emission Limits-Gaseous Fuel	Y	
9-7-301.1	NOx limit	Y	
9-7-301.2	CO limit	Y	
9-7-302	Emission Limits-Non-Gaseous Fuel	Y	
9-7-302.1	NOx limit	Y	
9-7-302.2	CO limit	Y	
9-7-303	Emission Limits-Gaseous Fuels-and Non-Gaseous Fuel	Y	
9-7-305	Natural Gas Curtailment-Non-Gaseous Fuel	Y	
9-7-305.1	NOx limit	Y	
9-7-305.2	CO limit	Y	
9-7-306	Equipment Testing Non-Gaseous Fuel	Y	
9-7-306.1	NOx limit	Y	
9-7-306.2	CO limit	Y	
9-7-306.3	Time limit	Y	
9-7-501	Combinations of Different Fuels	Y	
9-7-503	Records	Y	
9-7-503.2	Records of natural gas curtailment	Y	
9-7-503.3	Records of equipment testing	Y	
9-7-503.4	Source test records	Y	
40 CFR 63 Subpart JJJJJJ	**National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources.**		
63.11195(e)	A gas-fired boiler is not subject to Subpart JJJJJJ	Y	
63.11237	Gas-fired boiler includes any boiler that burns gaseous fuels not combined with any solid fuels, burns liquid fuel only during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year	Y	
Condition #14330			
Part 1	Operation only during periods when S~~40~~201 and S~~41~~202 are not operating with certain exceptions (basis: BACT)	Y	
Part 2	Sulfur limit for fuel oil, limit on fuel oil use (basis: BACT)	Y	

IV. Source-Specific Applicable Requirements

Table IV-A
Source-specific Applicable Requirements
S2, S3, S4, Boilers

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Sulfur limit during natural gas curtailment (basis: BACT)	Y	
Part 4	Recordkeeping (basis: BAAQMD Regulation 2-6-501)	Y	
Part 5	Source test every 8,000 hours of operation (basis: BAAQMD Regulation 2-6-501)	Y	
Part 6	Visible emissions monitoring (basis: SIP 6-301, BAAQMD 6-1-301, BAAQMD 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S142, S143, S144, S145, S146, S200,
In-use Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (~~12/5/07~~8/1/18)**		
6-1-303	Ringelmann Number 2 Limitation	N	
6-1-303.1	Ringelmann Number 2 Limitation for engines	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann Number 2 Limitation	Y	
6-303.1	Ringelmann Number 2 Limitation for engines	Y	
6-305	Visible Particles	Y	
6-310.1	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants-Nitrogen Oxides and CO from Internal Combustion Engines (7/25/07)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Unlimited hours during emergency	N	
~~9-8-330.2~~	~~Reliability related hours of operation till 1/1/2012~~	~~N~~	
9-8-330.3	Reliability related hours of operation ~~effective 1/1/2012~~	N	~~1/1/2012~~
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
~~**40 CFR Part 63**~~	~~National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions~~		

IV. Source-Specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S142, S143, S144, S145, S146, S200,
In-use Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~Subpart A~~			
~~63.1~~	~~General Applicability of the General Provisions~~	~~Y~~	
~~63.2~~	~~Definitions~~	~~Y~~	
~~63.3~~	~~Units and Abbreviations~~	~~Y~~	
~~63.4~~	~~Prohibited activities and circumvention~~	~~Y~~	
~~63.6(a)~~	~~Compliance with standards and maintenance requirements – Applicability~~	~~Y~~	
~~63.6(c)~~	~~Compliance dates for existing sources~~	~~Y~~	
~~63.6(f)(2)~~	~~Methods for determining compliance~~	~~Y~~	
~~63.6(f)(3)~~	~~Finding of compliance~~	~~Y~~	
~~63.6(g)~~	~~Use of an alternative nonopacity emission standard~~	~~Y~~	
~~63.6(i)~~	~~Compliance extension procedures and criteria~~	~~Y~~	
~~63.6(j)~~	~~Presidential compliance exemption~~	~~Y~~	
~~63.10(a)~~	~~Recordkeeping and reporting requirements, applicability and general information~~	~~Y~~	
~~63.10(b)(1)~~	~~Record retention~~	~~Y~~	
~~63.10(f)~~	~~Administrator waiver of recordkeeping or reporting requirements~~	~~Y~~	
~~63.12~~	~~State authority and delegations~~	~~Y~~	
~~63.13~~	~~Addresses of air pollution control agencies and EPA Regional Offices~~	~~Y~~	
~~63.14~~	~~Incorporation by reference~~	~~Y~~	
~~63.15~~	~~Availability of information and confidentiality~~	~~Y~~	
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)		
63.6585	Am I subject to this subpart?~~Applicability~~	Y	
63.6584(f)	Exemptions from 40 CFR 63, Subpart ZZZZ	Y	
63.6584(f)(1)	Existing institutional emergency stationary RICE	Y	
~~63.6585(a)~~	~~Applicable to stationary RICE~~	~~Y~~	
~~63.6585(c)~~	~~Applicable to area sources of Haps~~	~~Y~~	
~~63.6590(a)(1)(iii)~~	~~Affected source under stationary RICE located at an area source of HAP emissions, constructed before 6/12/06~~	~~Y~~	
~~63.6595(a)~~	~~Comply with applicable emission limitations and operating limitations by 5/3/13.~~	~~Y~~	~~5/3/13~~
~~63.6595(c)~~	~~Comply with applicable notification requirements in 63.6645 and~~	~~Y~~	~~5/3/13~~

IV. Source-Specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S142, S143, S144, S145, S146, S200,
In-use Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	40 CFR Part 63, subpart A		
63.6603(a)	Comply with requirements of Table 2d, Part 4 (operating limitations of Tables 1b and 2b do not apply): 1. Change oil & filter every 500 hours of operation or annually, whichever comes first. Oil analysis program may be used to extend period. 2. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and 3. Inspect all hoses and belts every 500 hours or annually, whichever comes first, and replace as necessary.	Y	5/3/13
63.6605	General Requirements 1. Must be in compliance with applicable emission limitations and operating limitations 2. Operate engine in a manner consistent with safety and good air pollution control practices to minimize emissions.	Y	5/3/13
63.6625(e)(3)	Maintain RICE and abatement controls according to manufacturer's instructions or develop own plan.	Y	5/3/13
63.6625(f)	Installation of non-resettable hour meter requirement.	Y	5/3/13
63.6625(h)	Minimize idling, and minimize startup time to not exceed 30 mintutes.	Y	5/3/13
63.6625(i)	Oil analysis program frequency and the parameters to be analyzed.	Y	5/3/13
63.6640(a)	Demonstrate compliance with the requirements of Table 2d according to work or management practices of Table 6, Part 9a.	Y	5/3/13
63.6640(b)	Report deviations from the requirements of Table 2d.	Y	5/3/13
63.6640(e)	Report non-compliance with the any applicable requirement of Table 8.	Y	5/3/13
63.6640(f)	Comply with requirements of (f)(1)(i) through (iii) below	Y	5/3/13
63.6640(f)(1)(i)	No time limit when engine is used for emergencies	Y	5/3/13
63.6640(f)(1)(ii)	Operation of engine for maintenance checks and readiness testing limited to 100 hours per year	Y	5/3/13
63.6640(f)(1)(iii)	Operation of engine for non-emergency and not associated with maintenance checks and readiness testing is limited to 50 hours, which is counted towards the 100 hours per year maximum specified in 63.6640(f)(1)(ii)	Y	5/3/13

IV. Source-Specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S142, S143, S144, S145, S146, S200,
In-use Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~63.6645(a)(5)~~	~~The notification requirements of 63.6645(a) do not apply to this engine.~~	~~Y~~	~~5/3/13~~
~~63.6655~~	~~Record Keeping~~ ~~1. Record hours of operation~~ ~~2. Install non-resettable hour meter~~	~~Y~~	~~5/3/13~~
~~63.6660~~	~~Instructions for Records~~	~~Y~~	~~5/3/13~~
~~63.6670~~	~~Implementation and enforcement of Subpart ZZZZ~~	~~Y~~	~~5/3/13~~
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		
93115.5	Fuel Requirements	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)(2)	At-School and Near-School Provisions	N	
93115.6(b)(3)	Emission and operation standards	N	
93115.6(b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	
93115.6(b)(3)(A)(1)	General Requirements	N	
93115.6(b)(3)(A)(1)(a)	20 hours/yr for maintenance & testing for engines with diesel PM emissions over 0.40 g/bhp-hr; 21-30 hours/yr for maintenance & testing for engines with diesel PM emissions greater than 0.15 g/bhp-hr and less than 0.40 g/bhp-hr; 31-50 hours/yr for maintenance & testing for engines with diesel PM emissions greater than 0.01 g/bhp-hr and less than 0.15 g/bhp-hr;	N	
93115.6(b)(3)4(C)	The District may establish more stringent standards	N	

IV. Source-Specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S142, S143, S144, S145, S146, S200,
In-use Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.10(e)(1)	Monitoring Equipment	N	
93115.10	Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(d)	Monitoring Equipment	N	
93115.10(d)(1)	Non-resettable hour meter	N	
93115.10(~~g~~f)	Reporting Requirements for Emergency Standby Engines	N	
~~93115.11~~	~~ATCM for Stationary CI Engines – Compliance Schedule for Owners or Operators of Three or Fewer Engines (>50 bhp) Located within a District~~	~~N~~	
~~93115.11(a)~~	~~Compliance by 1/1/06 for engines complying by reducing hours of operation~~	~~N~~	
93115.12	ATCM for Stationary CI Engines – Compliance Schedule for Owners or Operators of Four or More Engines (>50 bhp) Located within a District	N	
93115.15	Severability	N	
BAAQMD Condition # 22728	**Applies to S145**	Y	
Part 1	Operating hour limit for reliability related activities (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(4)(A)(1)(b))	Y	
Part 2	Allowable periods of operation (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a))	Y	
Part 3	Requirement for diesel particulate filter (basis: TBACT, Toxic Risk Screen)	N	
Part 4	Requirement for backpressure monitor (basis: Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, Subsection (e)(2)(G)2))	N	

IV. Source-Specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S142, S143, S144, S145, S146, S200,
In-use Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Records (Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, Subsection (e)(4)(I), Regulation 1-441, Toxics)		
BAAQMD Condition # 22820	**Applies to S105, S106, S107, S108, S111, S112, S113, S114, S115, S117, S120, S121, S122, S123, S125, S126, S128, S129, and S200**	Y	
Part 1	Operating hour limit for reliability related activities (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(4)(A)(1)(b))	Y	
Part 2	Allowable periods of operation (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a))	Y	
Part 3	Non-resettable totalizing meter requirement (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))	Y	
Part 4	Recordkeeping (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g), Regulation 2-6-501))	Y	
Part 5	School Proximity Requirement (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(1) or 93115.6(b)(2))	Y	
BAAQMD Condition # 22826	**Applies to S62, S63, S64, S65, S133, S142, S143, S144, and S146**	Y	
Part 1	Operating hour limit for reliability related activities (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(4)(A)(1)(b))	Y	
Part 2	Allowable periods of operation (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a))	Y	

IV. Source-Specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S142, S143, S144, S145, S146, S200,
In-use Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Non-resettable totalizing meter requirement (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))	Y	
Part 4	Recordkeeping (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g), Regulation 2-6-501))	Y	
Part 5	School Proximity Requirement (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(1) or 93115.6(b)(2))	Y	
BAAQMD Condition # 22830	**Applies to S109, S110, and S118**	Y	
Part 1	Operating hour limit for reliability related activities (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(4)(A)(1)(b))	Y	
Part 2	Allowable periods of operation (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a))	Y	
Part 3	Non-resettable totalizing meter requirement (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))	Y	
Part 4	Recordkeeping (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g), Regulation 2-6-501))	Y	
Part 5	School Proximity Requirement (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(1) or 93115.6(b)(2))	Y	
BAAQMD Condition # 22850	**Applies to S130, S131, and S132**	Y	

IV. Source-Specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S142, S143, S144, S145, S146, S200,
In-use Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Operating hour limit for reliability related activities (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(4)(A)(1)(b))	Y	
Part 2	Allowable periods of operation (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a))	Y	
Part 3	Non-resettable totalizing meter requirement (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))	Y	
Part 4	Recordkeeping (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g), Regulation 2-6-501))	Y	
Part 5	School Proximity Requirement (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(1) or 93115.6(b)(2))	Y	
BAAQMD Condition # 27020	**Applies to S142, S143, S144**		
Part 1	Requirement for abatement (basis: Regulation 2, Rule 5)	N	
Part 2	Compliance with CARB Verification (Basis: CARB Verification)	N	

IV. Source-Specific Applicable Requirements

Table IV-C
Source-specific Applicable Requirements
S148, S149, S150, S152, S153, S154, S155, S156, S157, S158, S160, S162, S163
New Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (8/1/18)**		
6-1-303	Ringelmann Number 2 Limitation	N	
6-1-303.1	Ringelmann Number 2 Limitation for engines	N	
6-1-305	Visible Particles	N	
6-1-310.1	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann Number 2 Limitation	Y	
6-303.1	Ringelmann Number 2 Limitation for engines	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants-Nitrogen Oxides and CO from Internal Combustion Engines (7/25/07)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Unlimited hours during emergency	N	
9-8-330.3	Reliability related hours of operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (9/13/10)**		
60.4	Address	Y	
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	

IV. Source-Specific Applicable Requirements

Table IV-C
Source-specific Applicable Requirements
S148, S149, S150, S152, S153, S154, S155, S156, S157, S158, S160, S162, S163
New Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7	Notification and Record Keeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Good air pollution control practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.13(a)	Applies to all continuous monitoring systems	Y	
60.13(b)	Monitors shall be installed and operation before performing performance tests	Y	
60.13(e)	Continuous monitors shall operate continuously	Y	
60.13(f)	Monitors shall be installed in proper locations	Y	
60.13(g)	Requires multiple monitors for multiple stacks	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.19	General Notification and Reporting Requirements	Y	
CFR 60 Subpart IIII	**Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (7/11/2006)**		
60.4200	Am I subject to this subpart?	Y	
60.4200(a)	Applicable to owners/operators of stationary compression ignition (CI) internal combustion engines (ICE)	Y	
60.4200(a)(2)(i)	Stationary CI ICE that were manufactured after 7/11/2005 and are not fire pump engines	Y	
60.4205	What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI ICE?	Y	
60.4205(b)	Compliance with Section 60.4202	Y	
60.4206	How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4207	What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?	Y	
60.4207(a)	Use diesel fuel that meets the requirements of 40 CFR 80.510(a)	Y	
60.4207(b)	Use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel	Y	

IV. Source-Specific Applicable Requirements

Table IV-C
Source-specific Applicable Requirements
S148, S149, S150, S152, S153, S154, S155, S156, S157, S158, S160, S162, S163
New Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.4209	What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4209(a)	Install a non-resettable hour meter prior to the startup of an emergency engine	Y	
60.4211	What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4211(a)	Operate and maintain stationary CI ICE and control device per manufacturer's written instructions.	Y	
60.4211(b)	Methods to Demonstrate Compliance	Y	
60.4211(c)	Compliance by purchasing complying engine	Y	
60.4211(f)	Operation for maintenance and readiness checks are limited to 100 hours per year. No limit on emergency use. Any operation other than for maintenance, readiness checks, or emergencies is prohibited.	Y	
60.4212	What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of less than 30 liters per cylinder?	Y	
60.4214	What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4214(b)	Initial notification is not required for emergency engines.	Y	
40 CFR 63 Subpart ZZZZ	**NESHAPS for Stationary Reciprocating Internal Combustion Engines (1/18/2008)**		
63.6585	Am I subject to this subpart?	Y	
63.6590	What parts of my plant does this subpart cover?	Y	
63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60; meet the requirement of 40 CFR 63, Subpart ZZZZ by complying with 40 CFR Part 60, Subpart IIII	Y	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		
93115.5	Fuel Requirements	N	

IV. Source-Specific Applicable Requirements

Table IV-C
Source-specific Applicable Requirements
S148, S149, S150, S152, S153, S154, S155, S156, S157, S158, S160, S162, S163
New Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(a)	New Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(a)(1)	At-School and Near-School Provisions	N	
93115.6(b)(3)	New engines	N	
93115.6(a)(3)(A)	Emissions Standards and Hours of Operating Requirements	N	
93115.6(a)(3)(A)(1)	General Requirements	N	
93115.6(a)(3)(A)(1)(c)	50 hours/yr for maintenance & testing	N	
93115.6(a)(3)(B)	The District may establish more stringent standards	N	
93115.10	Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(d)	Monitoring Equipment	N	
93115.10(d)(1)	Non-resettable hour meter	N	
93115.10(f)	Reporting Requirements for Emergency Standby Engines	N	
93115.12	ATCM for Stationary CI Engines – Compliance Schedule for Owners or Operators of Four or More Engines (>50 bhp) Located within a District	N	
93115.12(a)	Compliance by 1/1/06 for engines complying by reducing hours of operation	N	
93115.15	Severability	N	
BAAQMD Condition # 22850		Y	
Part 1	Operating hour limit for reliability related activities (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(4)(A)(1)(b))	Y	

IV. Source-Specific Applicable Requirements

Table IV-C
Source-specific Applicable Requirements
S148, S149, S150, S152, S153, S154, S155, S156, S157, S158, S160, S162, S163
New Emergency Diesel Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Allowable periods of operation (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a))	Y	
Part 3	Non-resettable totalizing meter requirement (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))	Y	
Part 4	Recordkeeping (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g), Regulation 2-6-501))	Y	
Part 5	School Proximity Requirement (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(1) or 93115.6(b)(2))	Y	
Condition #26537	Applies to S163	Y	
Part 1	Requirement for diesel particulate filter (Basis: Cumulative Increase and Regulation 2-5)	Y	
Part 2	Compliance with CARB Executive Order (Basis: CARB Executive Order DE-07-001-06)	Y	

Table IV-D
Source-specific Applicable Requirements
S138, S139, S140,
Emergency Natural Gas Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (8/1/18)**		
6-1-303	Ringelmann Number 2 Limitation	N	
6-1-303.1	Ringelmann Number 2 Limitation for engines	N	
6-1-305	Visible Particles	N	

IV. Source-Specific Applicable Requirements

Table IV-D
Source-specific Applicable Requirements
S138, S139, S140,
Emergency Natural Gas Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-310.1	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann Number 2 Limitation	Y	
6-303.1	Ringelmann Number 2 Limitation for engines	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants-Nitrogen Oxides and CO from Internal Combustion Engines (7/25/07)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Unlimited hours during emergency	N	
9-8-330.3	Reliability related hours of operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
40 CFR 63 Subpart ZZZZ	**NESHAPS for Stationary Reciprocating Internal Combustion Engines (1/18/2008)**		
63.6585	Am I subject to this subpart?	Y	
63.6584(f)	Exemptions from 40 CFR 63, Subpart ZZZZ	Y	
63.6584(f)(1)	Existing institutional emergency stationary RICE	Y	
Condition #19533	**Applies to S138, S139 and S140**		
Part 1	Hours of operation (basis: 9-8-232)	Y	
Part 2	Monitoring (basis: 9-8-530)	Y	
Part 3	Recordkeeping (basis: 1-441 and 9-8-530)	Y	

IV. Source-Specific Applicable Requirements

Table IV-E
Source-specific Applicable Requirements
S151, S159, Emergency Natural Gas Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (8/1/18)**		
6-1-303	Ringelmann Number 2 Limitation	N	
6-1-303.1	Ringelmann Number 2 Limitation for engines	N	
6-1-305	Visible Particles	N	
6-1-310.1	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann Number 2 Limitation	Y	
6-303.1	Ringelmann Number 2 Limitation for engines	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants-Nitrogen Oxides and CO from Internal Combustion Engines (7/25/07)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Unlimited hours during emergency	N	
9-8-330.3	Reliability related hours of operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (9/13/10)**		
60.4	Address	Y	
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	Y	
60.8	Performance Tests	Y	

IV. Source-Specific Applicable Requirements

Table IV-E
Source-specific Applicable Requirements
S151, S159, Emergency Natural Gas Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Good air pollution control practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.13(a)	Applies to all continuous monitoring systems	Y	
60.13(b)	Monitors shall be installed and operation before performing performance tests	Y	
60.13(e)	Continuous monitors shall operate continuously	Y	
60.13(f)	Monitors shall be installed in proper locations	Y	
60.13(g)	Requires multiple monitors for multiple stacks	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.19	General Notification and Reporting Requirements	Y	
CFR 60 Subpart JJJJ	**Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (7/11/2006)**		
60.4230	Am I subject to this subpart?	Y	
60.4230(a)	Applicable to owners/operators of stationary spark ignition (CI) internal combustion engines (ICE)	Y	
60.4230(a)(4)(iii)	Emergency Stationary SI ICE that were manufactured after 1/1/2009 with a maximum engine power > 25 hp	Y	
60.4233	What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI ICE?	Y	
60.4233(d)	Compliance with Table 1 in 40 CFR 60, Subpart IIII	Y	
60.4234	How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?	Y	
60.4237	What are the monitoring requirements if I am an owner or operator of a stationary SI internal combustion engine?	Y	
60.4237(c)	Install a non-resettable hour meter prior to the startup of an emergency engine	Y	
60.4243	What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?	Y	
60.4243(a)	Comply by purchasing complying engine	Y	

IV. Source-Specific Applicable Requirements

Table IV-E
Source-specific Applicable Requirements
S151, S159, Emergency Natural Gas Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.4243(a)(1)	Records of maintenance in accordance with manufacturer's emission-related written instructions. Also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply.	Y	
60.4223(b)	Methods to Demonstrate Compliance	Y	
60.4223(d)	Operation for maintenance and readiness checks are limited to 100 hours per year. No limit on emergency use. Any operation other than for maintenance, readiness checks, or emergencies is prohibited.	Y	
60.4223(e)	Circumstances where propane may be used	Y	
	AIR TO FUEL CONTROLLERS, 3-WAY CATALYST?		
60.4244	What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?	Y	
60.4214	What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary sI internal combustion engine?	Y	
60.4214(b)	Hours of operation for emergency and non-emergency	Y	
40 CFR 63 Subpart ZZZZ	**NESHAPS for Stationary Reciprocating Internal Combustion Engines (1/18/2008)**		
63.6585	Am I subject to this subpart?	Y	
63.6590	What parts of my plant does this subpart cover?	Y	
63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60: meet the requirement of 40 CFR 63, Subpart ZZZZ by complying with 40 CFR Part 60, Subpart IIII	Y	
Condition 23107	**Applies to S159**		
Part 1	Hours of operation (basis: 9-8-330)	Y	
Part 2	Monitoring (basis: 9-8-530)	Y	
Part 3	Requirement for catalytic converter (basis: Cumulative Increase)	Y	
Part 4	Recordkeeping (basis: 9-8-530)	Y	
Condition 23112	**Applies to S151**		
Part 1	Hours of operation (basis: 9-8-330)	Y	
Part 2	Monitoring (basis: 9-8-530)	Y	

IV. Source-Specific Applicable Requirements

Table IV-E
Source-specific Applicable Requirements
S151, S159, Emergency Natural Gas Engine Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Recordkeeping (basis: 9-8-530)	Y	

Table IV-~~B~~F
Source-specific Applicable Requirements
S201, Turbine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (7/9/08)**		
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Monitors Required by Sections 1-521 or 2-1-403	Y	
1-602	Area and Continuous Emission Monitoring Requirements	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.7	Monitor excesses	Y	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 - Permits, General Requirements (11/19/08)**		
2-1-501	Monitors	Y	

IV. Source-Specific Applicable Requirements

Table IV-~~B~~F
Source-specific Applicable Requirements
S201, Turbine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (~~12/5/07~~8/1/18)**		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.1	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operations	N	
6-1-401	Appearance of Emissions	N	
6-1-504	Demonstration of Total Suspended Particles (TSP) Compliance	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
9-1-304	Fuel Burning – Liquid Fuels	Y	
BAAQMD Regulation 9, Rule 9	**Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Gas Turbines (12/6/06)**		
9-9-113	Exemption, ~~-~~Inspection~~/~~ and Maintenance Periods	N	
9-9-114	Exemption, ~~-~~Start-up~~/~~ and Shutdown Periods	N	
9-9-115	Limited Exemption, Minor Inspection and Maintenance Work	N	
9-9-301	Emission Limits, General	N	
9-9-301.1	NOx limits	N	
9-9-301.1.2	NOx limit for turbines over 10.0 MW without SCR	N	
9-9-301.2	January 1, 2010 NOx limits	N	
9-9-301.3	NOx limit when burning a mixture of fuels	N	
9-9-301.4	Demonstration of compliance with Section 9-9-301.2	N	
~~9-9-303~~	~~Emission Limits-Alternative Schedule~~	~~N~~	

Renewal date:

IV. Source-Specific Applicable Requirements

Table IV-~~B~~F
Source-specific Applicable Requirements
S201, Turbine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~9-9-303.2~~	~~January 1, 2000 standard~~	~~N~~	
9-9-401	~~Efficiency~~ Certification, Efficiency	N	
~~9-9-403.5~~	~~Modification or installation status report submittal~~	~~N~~	
~~9-9-403.6~~	~~Compliance with emission standards~~	~~N~~	
9-9-501	Monitoring & Recordkeeping Requirements	N	
~~9-9-503~~	~~Initial Demonstration of Compliance~~	~~N~~	
~~9-9-503.1~~	~~Deadline for demonstration of compliance with 9-9-303.1~~	~~N~~	
~~9-9-503.3~~	~~Deadline for demonstration of compliance with 9-9-303.2~~	~~N~~	
9-9-603	Continuous Emission Monitoring	N	
9-9-605	Compliance With Output Based NOx Emissions Standards	N	
SIP Regulation 9, Rule 9	**Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Gas Turbines (12/15/97)**		
9-9-113	Exemption-Inspection/Maintenance	Y	
9-9-114	Exemption-Start-up/Shutdown	Y	
9-9-303	Emission Limits-Alternative Schedule	Y	
9-9-303.2	January 1, 2000 standard	Y	
9-9-401	Efficiency Certification	Y	
9-9-403.5	Modification or installation status report submittal	Y	
9-9-403.6	Compliance with emission standards	Y	
9-9-501	Monitoring & Recordkeeping	Y	
9-9-503	Initial Demonstration of Compliance	Y	
9-9-503.1	Deadline for demonstration of compliance with 9-9-303.1	Y	
9-9-503.3	Deadline for demonstration of compliance with 9-9-303.2	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR 60	**Standards of Performance for New Stationary Sources 12/23/71)**	Y	
Subpart A	General Provisions	Y	
60.4(a)	Reports to EPA	Y	
60.4(b)	Reports to EPA and District	Y	
60.7(a)	Written notification	Y	
60.7(b)	Records	Y	
60.8	Performance Tests	Y	

IV. Source-Specific Applicable Requirements

Table IV-~~B~~F
Source-specific Applicable Requirements
S201, Turbine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.9	Availability of Information	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Minimizing emissions	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.19	General notification and reporting requirements	Y	
Subpart GG	**Standards of Performance for Stationary Gas Turbines (2/24/06)**	Y	
60.332	Standard for nitrogen oxides	Y	
60.332 (a)(1)	NOx limit	Y	
60.332(f)	Exemption when ice fog hazard	Y	
60.332(i)	Exemption on a case-by-case basis during mandatory water restrictions	Y	
60.333	Standard for Sulfur dioxide	Y	
60.333(a)	SO2 discharge limit	Y	
60.333(b)	Fuel sulfur content limit	Y	
60.334	Monitoring of operations	Y	
60.334(b)	CEM requirements	Y	
60.334(h)(1)	Sulfur content monitoring of fuel oil	Y	
60.334(h)(2)	Exemption from fuel nitrogen monitoring (natural gas)	Y	
60.334(h)(3)	Exemption from fuel sulfur monitoring (natural gas)	Y	
60.334(h)(3)(i)	Current, valid purchase contract, tariff sheet or transportation contract	Y	
60.334(h)(3)(ii)	Representative fuel sampling data	Y	
60.334(i)(1)	Sulfur and nitrogen content of fuel oil	Y	
60.334(j)(1)(iii)	Reports of excess NOx emissions	Y	
60.334(j)(2)(ii)	Reports of Sulfur content	Y	
60.334(j)(3)	Reporting of ice fog	Y	
60.334(j)(5)	Deadline for excess emission reports	Y	
60.335	Test Methods and Procedures	Y	
60.335(a)	Performance tests as required by 40 CFR 60.8	Y	
60.335(b)	Performance tests for NOx	Y	
60.335(b)(1)	ISO correction	Y	

IV. Source-Specific Applicable Requirements

Table IV-~~B~~F
Source-specific Applicable Requirements
S201, Turbine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.335(b)(2)	Testing at various loads	Y	
60.335(b)(3)	Optional measurement after duct burner	Y	
60.335(b)(10)	Minimum sample requirements	Y	
60.335(b)(11)	Option of fuel analysts	Y	
60.335(c)(1)	Optional method to adjust NOx emission level	Y	
40 CFR 60 Appendix B	**Performance Specifications**	Y	
Performance Specification 2	Specifications and test procedures for SO2 and NOx continuous emission monitoring systems in stationary sources	Y	
Performance Specification 3	Specifications and test procedures for O2 and CO2 continuous emission monitoring systems	Y	
40 CFR 60 Appendix F	**Quality Assurance Procedures**		
Procedure 1	Quality assurance requirements for gas continuous emission monitoring systems used for compliance determination	Y	
40 CFR Part 72	Permit Regulation (Title IV – Acid Rain Program)		
72.6(b)(4)	Exemption from Acid Rain Program	Y	
BAAQMD Condition 366		Y	
Part 1	Operation of Boilers at Facility A0059 [cumulative increase]	Y	
Part 2	Sulfur Limit [BACT]	Y	
Part 3	Sulfur Limit (natural gas curtailment) [BACT]	Y	
Part 4	NOx Limit (natural gas) [BAAQMD Regulation 9-9]	Y	
Part 4a	CO Limit [RACT]	Y	
Part 4b	PUC Quality Natural Gas [BAAQMD Regulation 2-1-403]	Y	
Part 5	NOx Concentration limit (natural gas) – combined S201 & 41 emissions [BAAQMD Regulation 1-107]	Y	
Part 5a	CO Concentration Limit – combined S201 & S202 emissions [BAAQMD Regulation 1-107]	Y	
Part 6	NOx Limit (fuel oil) [BAAQMD Regulation 9-9]	Y	
Part 7	NOx Concentration Limit (fuel oil) – combined S201 & 41 emissions [BACT]	Y	

IV. Source-Specific Applicable Requirements

Table IV-~~B~~F
Source-specific Applicable Requirements
S201, Turbine

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 8	Steam injection [BAAQMD Regulation 2-1-403]	Y	
Part 10	NOx and CO Limit (lb/day) – combined S201 & 41 emissions [cumulative increase]	Y	
Part 11	SO2 Limit (lb/day & tpy) – combined S201 & 41 emissions [cumulative increase]	Y	
Part 12	Monitoring [BACT]	Y	
Part 12a	Monitoring [RACT]	Y	
Part 14	Sampling ports [RACT-BAAQMD Regulation 9-9]	Y	
Part 17	Records [BACT]	Y	
Part 18	CO Source Test [RACT]	Y	
Part 19	Visible emissions inspection [BAAQMD Regulation 6-1-301, SIP 6-301, BAAQMD Regulation 2-6-501]	Y	

Table IV-~~C~~G
Source-specific Applicable Requirements
S202, Duct Burner

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (7/9/08)**		
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Monitors Required by Sections 1-521 or 2-1-403	Y	

IV. Source-Specific Applicable Requirements

Table IV-~~C~~G
Source-specific Applicable Requirements
S202, Duct Burner

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-602	Area and Continuous Emission Monitoring Requirements	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.7	Monitor excesses	Y	
BAAQMD Regulation 2, Rule 1	**Regulation 2, Rule 1 – Permits, General Requirements (11/19/08)**		
2-1-501	Monitors	Y	
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (~~12/5/07~~8/1/18)**		
6-301	Ringelmann Number 1 Limitation	N	
6-305	Visible Particles	N	
6-310.1	Particulate Weight Limitation	N	
6-310.3	Heat Transfer Operations	N	
6-401	Appearance of Emissions	N	
6-1-504	Demonstration of Total Suspended Particles (TSP) Compliance	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
9-1-304	Fuel Burning – Liquid Fuels	Y	
BAAQMD Regulation 9, Rule 9	**Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Gas Turbines (12/6/06)**		
9-9-303	Emission Limits-Alternative Schedule	N	

IV. Source-Specific Applicable Requirements

Table IV-~~C~~G
Source-specific Applicable Requirements
S202, Duct Burner

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-9-303.2	January 1, 2000 standard	N	
9-9-401	Efficiency Certification	N	
SIP Regulation 9, Rule 9	**Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Gas Turbines (12/15/97)**		
9-9-303	Emission Limits-Alternative Schedule	Y	
9-9-303.2	January 1, 2000 standard	Y	
9-9-401	Efficiency Certification	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
Subpart GG	**Standards of Performance for Stationary Gas Turbines (2/24/06)**	Y	
60.332 (a)(1)	Standard for nitrogen oxides	Y	
60.333	Standard for sulfur dioxide	Y	
60.333(a)	SO2 discharge limit	Y	
60.333(b)	Fuel sulfur content limit	Y	
BAAQMD Condition 366	Permit to Operate Condition	Y	
Part 1	Operation of Boilers at Facility A0059 [cumulative increase]	Y	
Part 2	Sulfur Limit [BACT]	Y	
Part 3	Sulfur Limit (natural gas curtailment) [BACT]	Y	
Part 5	NOx Concentration Limit (natural gas) – combined S201 & 41 emissions [BAAQMD Regulation 1-107]	Y	
Part 5a	CO Concentration Limit – combined S201 & S202 emissions [BAAQMD Regulation 1-107]	Y	
Part 7	NOx Concentration Limit (fuel oil) – combined S201 & 41 emissions [BACT]	Y	
Part 10	NOx and CO Limit (lb/day) - combined S201 & 41 emissions [cumulative increase]	Y	
Part 11	SO2 Limit (lb/day & tpy) - combined S201 & 41 emissions [cumulative increase]	Y	
Part 12	monitoring [BACT]	Y	
Part 12a	Monitoring [RACT]	Y	

IV. Source-Specific Applicable Requirements

Table IV-~~C~~G
Source-specific Applicable Requirements
S202, Duct Burner

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 14	Sampling ports [RACT-BAAQMD Regulation 9-9]	Y	
Part 17	Records [BACT]	Y	
Part 18	CO Source Test [BACT]	Y	
Part 19	Visible emissions inspection [cumulative increase]	Y	

Table IV-H
Source-specific Applicable Requirements
S100, Facility-wide Painting Operations

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 19	**Organic Compounds - Surface Coating of Miscellaneous Metal Parts and Products (10/16/2002)**		
8-19-302	Limits	Y	
8-19-312	Specialty Coating Limitations	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-321	Surface Preparation Standards	Y	
8-19-405	Low Usage Coating Petition	Y	
8-19-407	Specialty Coating Petition	Y	
8-19-408	Emission Reduction Credits	Y	
8-19-501	Records	Y	
BAAQMD Regulation 8, Rule 23	**Organic Compounds - Coating of Flat Wood Paneling and Wood Flat Stock (12/20/95)**		
8-23-301	Emission Limits	Y	
8-23-401	Coating List	Y	
8-23-501	Records	Y	

IV. Source-Specific Applicable Requirements

Table IV-H
Source-specific Applicable Requirements
S100, Facility-wide Painting Operations

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 31	**Organic Compounds - Surface Coating of Plastic Parts and Products (10/16/2002)**		
8-31-302	Limits	Y	
8-31-306	Flexible Coating	Y	
8-31-309	Specialty Coating Limitations	Y	
8-31-310	Spray Application Equipment Limitations	Y	
8-31-320	Solvent Evaporative Loss Minimization	Y	
8-31-321	Surface Preparation Standards	Y	
8-31-401	Extreme Performance Coating Petition		
8-31-403	Low Usage Coating Petition	Y	
8-31-501	Records	Y	
BAAQMD Regulation 8, Rule 49	**Organic Compounds - Aerosol Paint Products (12/20/95)**		
8-49-301	Limits	Y	
8-49-302	Prohibition of Non-Intended Use	Y	
8-49-303	Multi-Component Applications	Y	
Condition 21880			
Part 1	Limits on coating usage, solvent, thinner, recordkeeping (basis: cumulative increase, recordkeeping)	Y	
Part 2	Prohibition against spray application of coatings containing chromium, lead, manganese, nickel, or cadmium [Basis: Avoidance of 40 CFR 63, Subpart HHHHHH, National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources]	Y	

V. SCHEDULE OF COMPLIANCE

1. Standard Schedule of Compliance

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

2. Custom Schedule of Compliance

A. S2, S3, S4: Boilers: By December 31, 2020, the owner/operator shall install, operate, and maintain non-resettable fuel meters for natural gas and fuel oil for each boiler to comply with BAAQMD Regulation 9-7-504.

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Any condition that is preceded by an asterisk is not federally enforceable.

Condition # 366
For S201, Turbine and S202, Duct Burner

1. "Operation" for the purposes of this condition refers only to firing of fuel in the boiler; hot standby maintained with steam does not constitute operation. The existing boilers at Plant No. 59, Sources 2, 3, and 4 shall operate only during periods when the Gas Turbine (S201) and Duct Burner (S202) are not operating, except the following cases; (basis: cumulative increase)
   a. during switch-over periods.
   b. if the steam demand of the campus exceeds the 120,000 lb/hr design rate available from the gas turbine and -duct burners, then the existing boilers may fire only to the extent necessary to satisfy campus steam demands, up to a rolling annual average of 95,000 lbm/hr. This limit on the existing boilers will go into effect when the cogeneration plant begins operation and will not apply when the cogeneration plant is non-operative.
   c. If either Source 40, Gas Turbine, or Source 41, Duct burner malfunctions and the cogeneration system can not meet the 120,000 lb/hr steam rate, then the existing boilers may fire only to the extent necessary to satisfy the campus steam demands. The duct burners will not operate when the gas turbine is not operational, except during switch-over periods.

2. Any fuel oil used as a primary fuel shall not exceed a maximum sulfur content of 0.12% (by weight). Compliance shall be determined from fuel samples taken and analyzed using the District's Laboratory Procedure Method 10. Such fuel oil use shall not exceed the equivalent of 85 days per year at full-load operation of the gas turbine and duct burner. (basis: BACT)
3. During periods of natural gas curtailment or shutdown, the maximum sulfur content of the fuel oil burned shall not exceed 0.25% (by weight), provided that the gas turbine was being fired on natural gas prior to the curtailment or shutdown. (basis: BACT)

4. When the gas turbine is burning natural gas, the concentration of oxides of nitrogen (NOx) in the gas turbine's exhaust shall not exceed 0.70 lbs/MW-hr or 20.2 ppmdv NOx (measured as NO2) at 15% oxygen, averaged over any three-hour period, except during a start-up, which is not to exceed two hours. (basis: BAAQMD Regulation 9-9-301.23.2, adjusted for efficiency certified at 33.7% per BAAQMD Regulation 9-9-401)

4a. When the gas turbine is burning natural gas or fuel oil, the concentration of carbon

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monoxide (CO) in the gas turbine's exhaust shall not exceed 200 ppm at 15% oxygen, averaged over any three-hour period, except during a start-up, which is not to exceed two hours. (basis: RACT)

4b. All natural gas burned at sources S~~40~~201, Gas Turbine, and S~~41~~202, Duct Burner, shall be PUC quality gas. (basis: BAAQMD Regulation 2-1-403)

5. When the gas turbine and the duct burner are firing natural gas, the concentration of oxides of nitrogen (NOx) in the combined exhaust from the gas turbine and the duct burner shall not exceed a weighted average~~d~~ of 0.70 lbs/MW-hr or 20.2 ppmdv @ 15% oxygen, averaged over any three-hour period, except during a startup, which is not to exceed two hours. (basis: BAAQMD Regulation 1-107)

5a. When the gas turbine and the duct burner are firing natural gas or fuel oil, the concentration of carbon monoxide (CO) in the combined exhaust from the gas turbine and the duct burner shall not exceed a weighted averaged of 200 ppm @ 15% oxygen, averaged over any three-hour period, except during a startup, which is not to exceed two hours. (basis: BAAQMD Regulation 1-107)

6. When the gas turbine is burning fuel oil, the concentration of oxides of nitrogen (NOx) in the gas turbine's exhaust shall not exceed 42 ppmdv NOx (measured as NO2) at 15% oxygen, averaged over any three-hour period, except during a start-up, which is not to exceed two hours. In the event that NOx emissions exceed the 42 ppm limit while burning fuel oil, PE-Berkeley shall switch to natural gas as soon as practicable until the 42 ppm can be met while burning fuel oil. (basis: BACT, BAAQMD Regulation 9-9-303)

7. When the gas turbine is firing fuel oil and the duct burner is in operation, the concentration of oxides of nitrogen (NOx) in the combined exhaust from the gas turbine and the duct burner shall not exceed a weighted averaged of 39 ppmdv @ 15% oxygen, averaged over any three-hour period, except during a startup, which is not to exceed two hours. (basis: BACT)

8. The steam injection to control NOx emissions shall be operated during all periods of gas-turbine operation. PE-Berkeley shall, during the start-up period, perform tests to determine the steam injection rate necessary to assure compliance with parts 4 and 6. The steam injection rate will be controlled by the gas turbine control system at all times during the operation of the turbine. (basis: BAAQMD 2-1-403)

9. Deleted (water injection no longer used)

10. The emission of nitrogen oxides (NOx) from the full-load operation of the gas turbine and duct burners shall not exceed 547 lb/day when firing natural gas and 1,093 lb/day when firing fuel oil. The emission of carbon monoxide (CO) from the

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full-load operation of the gas turbine and duct burners shall not exceed 2195 lb/day when firing natural gas or fuel oil. (basis: BACT, BAAQMD Regulation 9-9-303.2, RACT and cumulative increase for CO)

11. The total emission of sulfur dioxide (SO2) shall not exceed 987 lb/day, except under natural gas curtailment or shutdown as allowed in part 3. In no event shall SO2 emissions exceed 40 tons per year (tpy). Compliance with this condition shall be based on calculating SO2 emissions from fuel oil density, usage rate, and actual sulfur content. PE-Berkeley shall determine the sulfur content of the fuel oil by sampling and analyzing, according to the District's Laboratory Procedure Method 10 or an equivalent procedure approved by the APCO, either each fuel oil delivery or once during each 24-hour period that fuel oil is fired. (basis: cumulative increase)

12. PE-Berkeley shall install, calibrate and operate District-approved continuous in-stack emission monitors and recorders for oxides of nitrogen, and either oxygen or carbon dioxide. (basis: BACT)

12a. PE-Berkeley shall install, calibrate and operate District-approved continuous in-stack emission monitors and recorders for carbon monoxide, and either oxygen or carbon dioxide. [(basis: RACT); (Effective May 1, 2001)]

13. Deleted (initial startup source test)

14. For purposes of source testing, the exhaust stack shall be equipped with stack sampling ports and platforms, the location of which shall be subject to the approval of the APCO. (basis: RACT, – BAAQMD Regulation 9-9)

15 Deleted (offsets provided already)

16. Deleted (PSD review not required)

17. All records associated with the above conditions shall be retained by PE-Berkeley for at least five years and shall be made available to the District upon request. The recording format for parts 2, 3, 4a, 5a, 7, 10 and 14, shall be subject to the approval of the APCO. (basis: BACT)

18. PE-Berkeley shall perform an annual source test for carbon monoxide. (basis: RACT)

19. If the gas turbine is fired on fuel oil more than 200 hours in any consecutive twelve-month period, on the first day of oil firing following the accumulation of 200 hours, and on the first day following every 1000 hours of cumulative operation afterwards during a twelve-month period, the permit holder shall conduct a visible emission inspection of the stack gas effluent. This visible emissions inspection shall be

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conducted during daylight hours while the gas turbine is firing on fuel oil, but need not be conducted by a trained observer. [basis: BAAQMD Regulation 6-1-301, SIP Regulation 6-301, BAAQMD Regulation 2-6-501]

If any visible emissions, excluding condensed water vapor, are detected during an inspection and the emissions are observed continuously or intermittently for more than three minutes, the permit holder shall either take corrective action that eliminates the visible emissions and report the visible emissions as a potential exceedance, or have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures outlined in the CARB manual, "Visible Emissions Evaluation." The certified smoke reader shall continue to conduct the Method 9 or CARB Visible Emission Evaluation on a daily basis on every subsequent day that oil is fired until the daily reading shows compliance with the applicable limit.

The permit holder shall record and maintain the following records for each day of any fuel oil firing of gas turbine:

calendar day;
total elapsed time of fuel oil firing;
running 12-month total accumulated time of fuel oil firing;
if 12-month total exceeds 200 hours or for every 1000 hours of cumulative operation during a 12-month period, name of inspector, time inspection was made, presence of visible emissions, description of corrective action taken to abate visible emissions, date and time visible emissions were abated.

All records made pursuant to the above shall be retained for five (5) years and shall be made available to District personnel upon request.

20. Within one year of issuance of the renewal of the Title V permit, the owner/operator shall conduct and submit a demonstration of efficiency for S201, Turbine, pursuant to SIP Regulation 9-9-401 and BAAQMD Regulation 9-9-401 to the District. The efficiency shall be determined while the turbine is in compliance with all applicable requirements. If a source test is necessary to demonstrate compliance, the owner/operator shall submit a testing protocol to the Source Test Group for approval and obtain approval before conducting the source test. If the efficiency demonstration shows that the adjusted NOx limit pursuant to 9-9-401 should be lowered or raised, the owner/operator shall submit an application for a minor revision to the Major Facility Review permit within two months of submitting the demonstration to the District. (Basis: 2-6-503)

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Condition 14330
S2, S3, S4, Boiler:

Condition #14330, Modified 10-04-96 and 11-9-99 Sources 2, 3, and 4 at Facility #A0059:

1. The existing boilers at Facility No. A0059, Sources 2, 3, and 4 shall operate* only during periods when the Gas Turbine (S2014~~0~~) and Duct Burner (S2014~~1~~) at Facility # B1326 are not operating, except in the following cases:

   a. during switch-over periods.

   b. if the steam demand of the campus exceeds the 120,000 lb/hr design rate available from the gas turbine and duct burners, then the existing boilers may fire only to the extent necessary to satisfy campus steam demands, up to a rolling annual average of 95,000 lbm/hr. This limit on the existing boilers will go into effect when the cogeneration plant begins operation and will not apply when the cogeneration plant is non-operative.

   c. If either Source 40 Gas Turbine; Facility # B1326, or Source 41, Duct burner; Facility #B1326, malfunctions and the cogeneration system can not meet the 120,000 lb/hr steam rate, then the existing boilers may fire only to the extent necessary to satisfy the campus steam demands. The duct burners will not operate when the gas turbine is not operational, except during switch-over periods.

- "Operation" for the purposes of this condition refers only to firing of fuel in the boiler; hot standby maintained with steam does not constitute operation. (basis: BACT)

2. Any fuel oil used as a primary fuel in Source S2, S3 and S4 shall not exceed a maximum sulfur content of 0.12% (by weight). Compliance shall be determined from fuel samples taken and analyzed using the District's Laboratory Procedure Method 10. Such fuel oil use shall not exceed the equivalent of 85 days per year at full-load operation of the S2014~~0~~, gas turbine, and S2024~~1~~, duct burner, at Facility B1326. (basis: BACT)

3. During periods of PG&E curtailment of natural gas, the maximum sulfur content of the fuel oil burned shall not exceed 0.25% (by weight), provided that the gas turbine, S2014~~0~~ at Facility #B1326 was being fired on natural gas prior to the curtailment. (basis: BACT)

4. All records associated with the above conditions shall be retained by ~~Purenergy, (Facility # B1326)~~ the owner/operator for at least for at least five years~~,~~ for review by the District and shall be supplied to the District upon request. The recording format for conditions number 2-, and 3 shall be subject to the approval of the APCO. (basis: BAAQMD Regulation 2-6-501)

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5. Starting with the date of issuance of the renewal of the Major Facility Review permit, the owner/operator shall monitor the NOx and CO concentrations at each ~~Every 8,000 hours of operation a source test of~~ Boiler~~s~~, S2, S3, and S4, with a portable monitor once in any calendar year that the boiler is in operation ~~shall be conducted~~ to verify compliance ~~with above NOx and CO emission limits and~~ Regulation 9 - Rule 7 limitations. (basis: BAAQMD Regulation 2-6-~~501~~503)

6. If any boiler, S2, S3, or S4, is fired on fuel oil more than 200 hours in any consecutive twelve-month period, on the first day of oil firing following the accumulation of 200 hours, and on the first day following every 1000 hours of cumulative operation afterwards during a twelve-month period, the permit holder shall conduct a visible emission inspection of the stack gas effluent. This visible emissions inspection shall be conducted during daylight hours while the ~~gas turbine~~ boiler is firing on fuel oil, but need not be conducted by a trained observer. [basis: SIP 6-301, BAAQMD ~~Reg~~ 6-1-301, BAAQMD ~~Reg~~ 2-6-501]

If any visible emissions, excluding condensed water vapor, are detected during an inspection and the emissions are observed continuously or intermittently for more than three minutes, the permit holder shall either take corrective action that eliminates the visible emissions and report the visible emissions as a potential exceedance, or have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures outlined in the CARB manual, "Visible Emissions Evaluation." The certified smoke reader shall continue to conduct the Method 9 or CARB Visible Emission Evaluation on a daily basis on every subsequent day that oil is fired until the daily reading shows compliance with the applicable limit.

The permit holder shall record and maintain the following records for each day of any fuel oil firing of gas turbine: calendar day; total elapsed time of fuel oil firing; running 12-month total accumulated time of fuel oil firing; if 12-month total exceeds 200 hours or for every 1000 hours of cumulative operation during a 12-month period: name of inspector, time inspection was made, presence of visible emissions, description of corrective action taken to abate visible emissions, date and time visible emissions were abated.

All records made pursuant to the above shall be retained for five (5) years and shall be made available to District personnel upon request.

7. Within one year of issuance of the renewal of the Major Facility Review permit for UC Berkeley, the owner/operator shall install, operate, and maintain a non-resettable fuel meter for natural gas for each boiler and a non-resettable fuel meter for fuel oil for each boiler, S2, S3, and S4. (Basis: SIP 9-7-303, SIP 9-7-501, BAAQMD 2-6-503, BAAQMD 9-7-504)

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Condition 19533
Sources S139 and S140

CONDITIONS FOR ~~NON "ESSENTIAL~~" EMERGENCY ENGINES:

Stationary Equipment Requirements

1. Hours of Operation: The owner/operator shall operate the emergency standby engine(s) only to mitigate emergency conditions or for reliability-related activities. Operating while mitigating emergency conditions is unlimited. Operating for reliability-related activities is limited to 50 hours per any calendar year. [Basis: Regulation 9-8-330] "Emergency Conditions" is defined as any of the following:
   a. Loss of regular natural gas supply.
   b. Failure of regular electric power supply.
   c. Flood mitigation.
   d. Sewage overflow mitigation.
   e. Fire.
   f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor. [Basis: Regulation 9-8-231]

"Reliability-related activities" is defined as any of the following:
   a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
   b. Operation of an emergency standby engine during maintenance of a primary motor.

[Basis: Regulation 9-8-232]

2. The owner/operator shall equip the emergency standby engine(s) with either:
   a. a non-resettable totalizing meter that measures the hours of operation for the engine; or
   b. a non-resettable fuel usage meter, the maximum hourly fuel rate shall be used to convert fuel usage to hours of operation.

[Basis: Regulation 9-8-530]

3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 2 years and shall make the log available for District inspection upon request:
   a. Hours of operation (total).
   b. Hours of operation (emergency).
   c. For each emergency, the nature of the emergency condition.
   d. Fuel usage for engine(s) if a non-resettable fuel usage meter is utilized.

[Basis: Regulations 9-8-530 and 1-441]

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Condition 21880
~~Synthetic Minor Condition~~

~~UC Berkeley, Plant #59, has a synthetic minor operating permit. This operating permit covers all sources at the facility.~~

~~The following conditions establish the federally enforceable permit terms that ensure this plant is classified as a Synthetic Minor Facility under District Regulation 2, Rule 6, Major Facility Review; and ensure it is not subject to the permitting requirements of Title V of the Federal Clean Air Act as amended in 1990, and 40 CFR Part 70. All applications submitted by the applicant and all modifications to the plant's equipment after issuance of the synthetic minor permit must be evaluated to ensure that the facility will not exceed the synthetic minor general limits below, and that sufficient monitoring, recordkeeping, and reporting requirements are imposed to ensure enforceability of the limits.~~

~~Any revision to a condition establishing this plant's status as a Synthetic Minor Facility or any new permit term that would limit emissions of a new or modified source for the purpose of maintaining the facility as a synthetic minor, must undergo the procedures pursuant to Regulation 2, Rule 6, Section 423. The basis for the synthetic minor conditions is an emission limit for regulated air pollutants of less than 95 tons per year, an emission limit for a single hazardous air pollutant of less than 9 tons per year, and an emission limit for a combination of hazardous air pollutants of less than 23 tons per year.~~

~~Following is a list of sources which are applicable to this synthetic minor permit: S2-S4, S62-S65, S100, S105-S118, S120-S126, S128-S133, S139-S146 and S148-S163.~~
~~Synthetic Minor Conditions:~~

~~1. The owner/operator shall ensure that this facility, subject to a Synthetic Minor Operating Permit, shall emit no more than the following quantities of emissions in any 12-month period:~~
~~a.95 percent of the major source thresholds for regulated air pollutants (excluding HAPs), except for precursor organic compounds and NOX; b.9 tons per year of any single HAP; c.23 tons per year of any combination of HAPs; d.90 percent of any lesser threshold for a single HAP as the U.S. EPA or District may establish by rule. These limits shall include emissions from permitted, unpermitted, portable, and temporary sources at the facility except those sources defined as non-road engines as defined in 40 CFR 89 and motor vehicles as defined in the California Vehicle Code; e.35 tons per year of precursor organic compounds; and, f.35 tons per year of NOX.~~
~~[Basis: Synthetic Minor and Regulation 2-2-303]~~

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~~2. The owner/operator shall not emit more than 95 tons of any regulated air pollutant into the atmosphere during any consecutive 12-month period. [Basis: Synthetic Minor]~~

~~3. Boilers (S2-S4):~~

~~a. In addition to the times of operation allowed in Permit Condition 14330, boilers S2-S4 may also run for a period of up to 4 hours prior to expected winter operations for the purpose of ensuring boiler operational reliability and to test for their CO emissions. This will start the 168-hour clock for CO monitoring.~~
~~b. Within each 168 hours of operation at each boiler, the owner/operator shall monitor the boiler's CO readings. The 168-hour clock will restart at the end of each test.~~
~~c. The owner/operator shall maintain records of the CO monitoring data.~~
~~d. All records must be kept on site and made available for District inspection for at least 5 years.~~
~~e. The owner/operator shall use each CO reading to ensure that the CO emission factor is 0.084 lb/MMBtu or less if burning natural gas and 0.036 lb/MMBtu or less when burning fuel oil. If the reading exceeds these values then the higher value shall be used in the monthly calculations for the following month or months, until the next 168 hr reading is performed.~~
~~f. If the CO emission exceeds the 400 ppmv (0.29 lb/MMBtu) limit in BAAQMD Regulation 9-7, the exceedance shall be considered a violation and shall be reported to the Director of Enforcement within 10 days of the reading. [Basis: Synthetic Minor and Recordkeeping]~~

~~4. Stationary Emergency Diesel Engine Generators (S62-S65, S105-S118, S120-S126, S128-S133, S139-S146 and S148-S163):~~

~~a. The owner/operator shall ensure each stationary emergency diesel engine generator will operate no more than their respective permitted hours for reliability-related testing.~~
~~b. The owner/operator shall record and maintain the number of hours of operation and the hp rating for each generator on a monthly basis. In addition, the owner/operator shall identify whether the recorded engine operation is for maintenance or production.~~
~~c. Fuel oil sulfur content shall not exceed 0.5% by weight.~~
~~d. All records must be kept on site and made available for District inspection for at least 5 years. [Basis: Synthetic Minor]~~

~~5.~~1. Plant Wide Coating Operations (S100):

a. The total amount of non-water-~~-~~based coating used at S100, miscellaneous painting operations, shall not exceed 80 gallons during any consecutive 12-month period. The total amount of water-~~-~~based coating used at S100 shall not exceed 250 gallons during any consecutive 12-month period. All coating usage must meet the requirements of the Districts Regulation 8 coatings rules.

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b. The net amount of cleanup and surface preparation solvent used at S100 shall not exceed 10 gallons during any consecutive 12-month period. The net amount of organic thinner used at S100 shall not exceed 10 gallons during any consecutive 12-month period.

c. The owner/operator shall maintain the following records in a District-approved log:

i. Net clean-up solvent used at S100, in gallons/day;
ii. Total surface preparation solvent used at S100, in gallons/day;
iii. Cumulative monthly totals of above daily usage rates, in gallons/month; and,
iv. All applicable coating and thinner usages as specified in Regulation 8 rules.

These records shall be kept on site and made available for District inspection for a period of 5 years from the date on which a record is made.
[Basis: Cumulative Increase and Recordkeeping]

~~6. The owner/operator shall calculate and maintain records on a monthly basis of each regulated air pollutant emitted into the atmosphere for all sources at the facility. Each regulated air pollutant must be totaled on a consecutive 12-month period to ensure compliance with Part #2 of this condition. The following factors shall be used:~~

~~a. For Boilers S2-S4~~

~~The owner/operator shall use the AP-42 emission factors for the following pollutants, *except for the Regulation 9-7 limit for NOX:~~
~~AP-42 Factors for burning natural gas Pollutant Emission Factor (lb/MMBtu)~~
~~CO Higher of 0.084 or measured value from previous~~
~~CO reading conducted every 168 hours~~
~~*NOX 0.036~~
~~POC 0.0055~~

~~AP-42 Factors for burning fuel oil~~
~~Pollutant Emission Factor (lb/MMBtu)~~

~~***CO 0.036***~~
~~*NOX 0.048~~
~~POC 0.0025~~

~~b. For Engines S64, S110-S118, S120-S126, and S128-S129~~

~~1. Records of operation for each source shall be totaled monthly to determine emissions of NOX and CO. Records shall be retained on site and made available for inspection by District personnel for a period of 5 years from the date on which a record is made.~~
~~2. Monthly NOX and CO emissions shall be calculated using the following emission factors:~~
~~NOX 0.031 lb/hp-hr~~

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~~CO 0.0067 lb/hp-hr~~

~~e. For Engines S105-S109~~

~~1. Records of operation for each source shall be totaled monthly to determine emissions of NOX and CO. Records shall be retained on site and made available for inspection by District personnel for a period of 5 years from the date on which a record is made.~~
~~2. Monthly NOX and CO emissions shall be calculated using the following emission factors:~~
~~NOX 0.024 lb/hp-hr~~
~~CO 0.0055 lb/hp-hr~~

~~d. For Engines S62, S63, S65, and S130-S133~~

~~1. Records of operation for each source shall be totaled monthly to determine emissions of NOX and CO. Records shall be retained on site and made available for inspection by District personnel for a period of 5 years from the date on which a record is made.~~
~~2. Monthly NOX and CO emissions shall be calculated using the following emission factors:~~
~~NOX 0.015 lb/hp-hr~~
~~CO 0.0019 lb/hp-hr~~

~~e. For Engines S139-S140~~

~~1. Records of operation for each source shall be totaled monthly to determine emissions of NOX and CO. Records shall be retained on site and made available for inspection by District personnel for a period of 5 years from the date on which a record is made.~~
~~2. Monthly NOX and CO emissions shall be calculated using the following emission factors:~~
~~NOX 0.002 lb/hp-hr~~
~~CO 0.0014 lb/hp-hr~~

~~f. For Engines S141-S143~~

~~1. Records of operation for each source shall be totaled monthly to determine emissions of NOX and CO. Records shall be retained on site and made available for inspection by District personnel for a period of 5 years from the date on which a record is made.~~
~~2. Monthly NOX and CO emissions shall be calculated using the following emission factors:~~
~~NOX 0.0113 lb/hp-hr~~
~~CO 0.0015 lb/hp-hr~~

~~g. For Engine S144~~

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1. Records of operation for each source shall be totaled monthly to determine emissions of NOX and CO. Records shall be retained on site and made available for inspection by District personnel for a period of 5 years from the date on which a record is made.
2. Monthly NOX and CO emissions shall be calculated using the following emission factors:

NOX 0.0128 lb/hp-hr
CO 0.0013 lb/hp-hr

h. Other Internal Combustion Engines permitted after 2004

In the absence of actual source test data or District approved emission factors, the owner/operator shall use the AP-42 emission factors for the following pollutants:

Pollutant Emission Factor (lb/hp-hr)

CO 0.00668
NOX 0.031
POC 0.0027

i. d. Surface Coating and Solvent Cleaning For surface coatings and cold cleaner solvents, the owner/operator shall use the manufacturers chemical speciation data or the MSDS information to calculate VOC.

[Basis: Synthetic Minor and Cumulative Increase, Recordkeeping]

7. The owner/operator shall calculate and maintain records on a monthly basis of the quantity of each hazardous air pollutant (HAP) emitted into the atmosphere from all sources at the facility. The HAPs must be totaled on a consecutive 12-month period to ensure compliance with Part #1 of this condition. In the absence of actual source test data or District approved emissions factors, the owner/operator shall use the California Air Resources Board CATEF database emission factors or AP-42 factors for the following pollutants.

Boilers burning natural gas (CATEF)
Pollutant Emission Factor (lb/MMcf)
Benzene 0.00215
Acetaldehyde 0.00847
Formaldehyde 0.0696
Benzaldehyde 0.0157

Boilers burning fuel oil (CATEF)
Pollutant Emission Factor (lb/1000 gallons)
Benzene 0.00262
Formaldehyde 0.0533
Hexane 0.00126
Toluene 0.00143

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~~Xylene 0.00155~~

~~Diesel Firing Internal Combustion Engines (AP-42)~~
~~Pollutant Emission Factor (lb/MMBtu-hr)~~
~~Benzene 0.00000876~~
~~Toluene 0.00000384~~
~~Xylene 0.00000267~~

~~For surface coatings and cold cleaner solvents, the owner/operator shall use the manufacturers chemical speciation data or the MSDS information to calculate HAPs.~~
~~[Basis: Synthetic Minor and Recordkeeping]~~

~~8. The owner/operator shall keep records of other unpermitted, temporary, or portable sources (except emissions from non-road engines as defined by 40 CFR 89) if the total emissions from these sources exceed 2 tons per year of any single regulated air pollutant or 400 pounds per year of a combination of hazardous air pollutants. [Basis: Synthetic Minor and Recordkeeping]~~

~~9. The Owner/Operator shall prepare an annual emissions report. The report shall contain the following items for the year ending Feb 28:~~
~~a. Total HAP emissions for the year;~~
~~b. Emissions of each HAP for the year;~~
~~c. Total NOX, CO, and VOC emissions;~~
~~d. Usage of fuel oil and natural gas at boilers;~~
~~e. Usage of fuel at engines; and,~~
~~f. Any regulated air pollutant required by Part #7 of this condition.~~
~~This report shall be submitted to the Director of Compliance and Enforcement by February 28 of each year. [Basis: Synthetic Minor and Recordkeeping]~~

~~The owner/operator shall report non-compliance with any of the above conditions in writing to the Director of Compliance and Enforcement within 10 calendar days of discovery of non-compliance.~~

2. The owner/operator shall not apply any coatings using the following hazardous air pollutants to plastic or metal substrates by means of spray application: compounds of chromium, lead, manganese, nickel, or cadmium. [Basis: Avoidance of 40 CFR 63, Subpart HHHHHH, National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources]

VI. Permit Conditions

Condition 22728:
For Source S145

Engine Family: 3CPXL78.1ERK
Engine Model Number: 3516BTA
Standby Power Rating: 2848 BHP
Rated Speed: 1800 RPM

1. The owner or operator shall operate S145, stationary emergency standby engine, only to mitigate emergency conditions or for reliability-related activities (maintenance and testing). Operating while mitigating emergency conditions and while emission testing to show compliance with this part is unlimited. Operation for reliability-related activities is limited to 26 hours per year.

(Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)3)

2. The Owner/Operator shall equip the emergency standby engine(s) with a non-resettable totalizing meter with a minimum display capability of 9,999 hours that measures the hours of operation for the engine. (Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, Subsection (e)(2)(G)1))

3. *The Owner/Operator shall install a Diesel Particulate Filter (A-145) and use it to abate the emissions of unburned hydrocarbons, carbon monoxide and particulates emitted from the S145 diesel engine at all times that the engine is operated. (basis: TBACT, Toxic Risk Screen)

4. The Owner/Operator shall install a backpressure monitor that notifies the owner or operator when the high back pressure limit of the engine is approached.

(Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, Subsection (e)(2)(G)2)

5. Records: The owner/operator shall maintain the following monthly records in a District - approved log for at least 36 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's locations, and made immediately available to the District staff upon request.
   a. Hours of operation (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for each engine. The Owner/ Operator shall document fuel use through the retention of fuel purchase records that account for all fuel used in the engine and all

VI. Permit Conditions

fuel purchased for use in the engine, and, at a minimum, contain the following information for each individual fuel purchase transaction:

1) Identification of the fuel purchased as either CARB Diesel, or an alternative diesel fuel that meets the requirements of the Verification Procedure, or an alternative fuel, or CARB Diesel fuel used with additives that meet the requirements of the Verification Procedure, or any combination of the above;
2) Amount of fuel purchased;
3) Date when the fuel was purchased;
4) Signature of owner or operator or representative of owner or operator who received the fuel; and
5) Signature of fuel provider indicating fuel was delivered.

f. CARB Certification Executive Order for the engine.

~~(Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, Subsection (e)(4)(I), Regulation 1-441, Toxics)~~For

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Condition # 22820 ----------

S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S139, S140, S142, S143, S144, S200, Emergency Standby Diesel Engine-Generators:

1. The owner/operator shall not exceed 20 hours per year per engine for reliability-related testing. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(3)(A)(1)(a)]
2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(3)(A)(1)(a)]
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10 (e)(1)]
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation for reliability-related activities (maintenance and testing).

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b. Hours of operation for emission testing to show compliance with emission limits.
c. Hours of operation (emergency).
d. For each emergency, the nature of the emergency condition.
e. Fuel usage for each engine(s).

[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10 (g) (or, Regulation 2-6-501)]

5. At School and Near-School Operation:
If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:
The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
a. Whenever there is a school sponsored activity (ifthe engine is located on school grounds)
b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.
"School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.
[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(2)]

VI. Permit Conditions

Condition 22826
S146, Emergency Standby Diesel Engine-Generator

1. The owner/operator shall not exceed 26 hours per year per engine for reliability-related testing.

[Basis: "Regulation 2-5]

2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited.

[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.

[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for each engine(s).

[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

5. At School and Near-School Operation:

If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:

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a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

"School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

VI. Permit Conditions

Condition 22850
S148, S148, S149, S150, S152, S153, S154, S155, S156, S157, S158, S160, S162

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing.

[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited.

[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.

[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
    a. Hours of operation for reliability-related activities (maintenance and testing).
    b. Hours of operation for emission testing to show compliance with emission limits.
    c. Hours of operation (emergency).
    d. For each emergency, the nature of the emergency condition.
    e. Fuel usage for each engine(s).

[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

5. At School and Near-School Operation:

If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:

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a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

"School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, athletic field, or other areas of school property but does not include unimproved school property.

[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

VI. Permit Conditions

Condition 23107
S159, Emergency Standby Engine-Generator

1. The owner or operator shall operate the stationary emergency standby engine only to mitigate emergency conditions or for reliability-related activities (maintenance and testing). Operating while mitigating emergency conditions and while emission testing to show compliance with this part is unlimited. Operating for reliability-related activities are limited to 50 hours per year.(Basis:
Emergency Standby Engines, Hours of Operation Regulation 9-8-330)

2. The Owner/Operator shall equip the emergency standby engine(s) with: a non-resettable totalizing meter that measures hours of operation or fuel usage.(Basis: Emergency Standby Engines, Monitoring and Record keeping 9-8-530)

3. The Owner/Operator shall not operate unless the natural gas fired engine is abated with a Catalytic Converter. (Basis: Cumulative Increase)

4. Records: The Owner/Operator shall maintain the following monthly records in a District-approved log for at least 24 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.

   a. Hours of operation (maintenance and testing).
   b. Hours of operation for emission testing.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage or operating hours for engine.

(Basis: Emergency Standby Engines, Monitoring and Recordkeeping 9-8-530)

VI. Permit Conditions

Condition 23112
For Source S151, Engine

1. The owner or operator shall operate the stationary emergency standby engine, only to mitigate emergency conditions or for reliability-related activities (maintenance and testing). Operating while mitigating emergency conditions and while emission testing to show compliance with this part is unlimited. Operating for reliability-related activities are limited to 50 hours per year.

(Basis: Emergency Standby Engines, Hours of Operation Regulation 9-8-330)

2. The Owner/Operator shall equip the emergency standby engine(s) with: a non-resettable totalizing meter that measures hours of operation or fuel usage (Basis: Emergency Standby Engines, Monitoring and Record keeping 9-8-530)

3. Records: The Owner/Operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation (maintenance and testing).
   b. Hours of operation for emission testing.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for engine.

(Basis: Emergency Standby Engines, Monitoring and Recordkeeping 9-8-530)

Condition 26537
For Source 163, Emergency Standby Diesel Engine-Generator

1. The owner/operator shall abate S163, Stationary Emergency Diesel Engine-Generator Set, at all times of operation with the properly maintained A163, Rypos, Inc. Hybrid Active Diesel Particulate Filter and Oxidation Catalyst System. [Basis: Cumulative Increase and Regulation 2-5]

2. The owner/operator shall comply with all the requirements in California Air Resources Board Executive Order DE-07-001-06. [Basis: CARB Executive Order DE-07-001-06]

Condition 27020
S142, S143, S144, Diesel Emergency Engines, A142, A143, A144, CleanAIR Diesel Particulate Filters

VI. Permit Conditions

1. The owner/operator shall abate S142, S143, S144, Stationary Emergency Diesel Engine-Generator Sets, at all times of operation with the properly maintained A142, A143, A144, CleanAIR Diesel Particulate Filters. [Basis: Regulation 2-5]

2. The owner/operator shall comply with all the requirements in California Air Resources Board Letter of June 6, 2003, Reference #RAS-03-19 from Robert H. Cross to Dr. Mike Tripodi. [Basis: CARB Verification]

VII. APPLICABLE EMISSION LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, using the following codes: annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

This section is only a summary of the limits and monitoring requirements. In the case of a conflict with any requirement in Sections I-VI, the preceding sections take precedence over Section VII.

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S2, S3, S4, Boilers

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-7-112.2	N		30 ppmvd @ 3% O2, dry	Condition 14330, part 5	P/every calendar year of operation starting date of renewal of Title V permit in 2019	Portable monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S2, S3, S4, Boilers

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	SIP 9-7-301.1	Y		30 ppmv @ 3% O_2, dry, when operating on gaseous fuels	Condition 14330, part 5	P/every calendar year of operation starting date of renewal of Title V permit in 2019	Portable monitor
NOx	SIP 9-7-302.1	Y		40 ppmv @ 3% O_2, dry, when operating on non-gaseous fuels		N	
NOx	SIP 9-7-303	Y		Weighted average of 9-7-301.1 and 9-7-302.1	BAAQMD 9-7-501	C	Non-resettable fuel meters
NOx	SIP 9-7-305.1	Y		150 ppmv @ 3% O_2, dry, when operating on non-gaseous fuels during natural gas curtailment		N	
NOx	SIP 9-7-306.1	Y		150 ppmv @ 3% O_2, dry, when operating on non-gaseous fuels for equipment testing		N	
CO	BAAQMD 9-7-112.2	N		400 ppmvd @ 3% O_2	Condition 14330, part 5	P/every calendar year of operation starting date of renewal of Title V permit in 2019	Portable monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S2, S3, S4, Boilers

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	SIP 9-7-301.2	Y		400 ppmv @ 3% O_2, dry	Condition 14330, part 5	P/every calendar year of operation starting date of renewal of Title V permit in 2019	Portable monitor
CO	SIP 9-7-302.2	Y		400 ppmv @ 3% O_2, dry		N	
CO	SIP 9-7-303	Y		400 ppmv @ 3% O_2, dry		N	
CO	SIP 9-7-305.2	Y		400 ppmv @ 3% O_2, dry		N	
CO	SIP 9-7-306.2	Y		400 ppmv @ 3% O_2, dry		N	
Opacity	BAAQMD Regulation 6-1-301	N		>Ringelmann 1.0 for < 3 minutes in any hour	Condition 14330, part 6	P/E, after firing for 200 hrs on fuel oil	Visible emission inspection
Opacity	SIP Regulation 6-301	Y		>Ringelmann 1.0 <3 minutes in any hour	Condition 14330, part 6	P/E, after firing for 200 hrs on fuel oil	Visible emission inspection
FP	BAAQMD Regulation 6-1-310.3	N		0.15 gr/dscf @ 6% O2		N	
FP	SIP Regulation 6-310.3	Y		0.15 gr/dscf @ 6% O2		N	
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: < 0.5 ppm for 3 minutes and < 0.25 ppm for 60 min. and <0.05 ppm for 24 hours	None	N	N/A

Renewal date:

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S2, S3, S4, Boilers

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 9-1-302	Y		300 ppm when burning gaseous fuels			
	BAAQMD 9-1-304	Y		0.5% wt Sulfur in liquid fuel		N	
Heat input limit	BAAQMD 9-7-112.2	N		≤ 120,012 MMbtu/any consecutive 12-month period for each boiler	BAAQMD 9-7-504	C	Non-resettable fuel meters for each fuel for each boiler within one year of renewal of Major Facility Review permit

Table VII-B
Applicable Limits and Compliance Monitoring Requirements
S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S142, S143, S144, S145, S200,
In-use Emergency Diesel Engine Generators

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-303.1	N		≥Ringelmann 2.0 for ~~no more than~~ ≤ 3 minutes in any hour		N	
Opacity	SIP Regulation 6-303.1	Y		≥Ringelmann 2.0 for ~~no more than~~ ≤ 3 minutes in any hour		N	

Renewal date:

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-B
Applicable Limits and Compliance Monitoring Requirements
S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S142, S143, S144, S145, S200,
In-use Emergency Diesel Engine Generators

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Regulation 6-1-310.1	N		0.15 gr/dscf		N	
FP	SIP Regulation 6-310	Y		0.15 gr/dscf		N	
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤0.05 ppm for 24 hours	None	N	N/A
SO2	BAAQMD 9-1-304	Y		0.5% wt Sulfur in liquid fuel		~~P/E~~N	~~Fuel certification of each delivery~~
	CARB ATCM 93115.5(a)(1)	N		Sulfur content of diesel fuel < 15 ppmw		N	
Hours of Operation	BAAQMD 9-8-330.1	N		Unlimited hours for emergencies	BAAQMD 9-8-530.2	C P/M	Hour meter, Records of Operating Hours
	~~BAAQMD 9-8-330.2~~	~~N~~		~~100 hours per calendar year or permit limit whichever is lower for reliability-related activities~~	~~BAAQMD 9-8-530~~	~~C P/M~~	~~Hour meter, Records of Operating Hours~~
Hours of Operation	BAAQMD 9-8-330.3	N	1/1/2012	50 hours per calendar year or permit limit whichever is lower for reliability-related activities	BAAQMD 9-8-530	C P/M	Hour meter, Records of Operating Hours

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-B
Applicable Limits and Compliance Monitoring Requirements
S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S142, S143, S144, S145, S200,
In-use Emergency Diesel Engine Generators

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition # 22728, Part 2	Y		Applies to S145 Unlimited hours for emergencies	BAAQMD Condition # 22728, Part 5	C P/M	Hour meter, record keeping
	BAAQMD Condition # 22728, Part 1	Y		Applies to S145 ≤ 26 hours per year for reliability-related activities	BAAQMD Condition # 22728, Part 5	C P/M	Hour meter, record keeping
Hours of Operation	BAAQMD Condition # 22820, Part 2	Y		Applies to S105, S106, S107, S108, S111, S112, S113, S114, S115, S117, S120, S121, S122, S123, S125, S126, S128, S129, and S200 Unlimited hours for emergencies	BAAQMD Condition # 22820, Parts 3 and 4	C P/M	Hour meter, record keeping
	BAAQMD Condition # 22820, Part 1	Y		Applies to S105, S106, S107, S108, S111, S112, S113, S114, S115, S117, S120, S121, S122, S123, S125, S126, S128, S129, and S200 ≤ 20 hours per year for reliability-related activities	BAAQMD Condition # 22820, Parts 3 and 4	C P/M	Hour meter, record keeping
	BAAQMD Condition # 22826, Part 2	Y		Applies to S62, S63, S64, S65, S133, S142, S143, S144, and S146 Unlimited hours for emergencies	BAAQMD Condition # 22826, Parts 3 and 4	C P/M	Hour meter, record keeping

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-B
Applicable Limits and Compliance Monitoring Requirements
S62, S63, S64, S65, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S120, S121, S122, S123, S125, S126, S128, S129, S130, S131, S132, S133, S142, S143, S144, S145, S200,
In-use Emergency Diesel Engine Generators

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	BAAQMD Condition # 22826, Part 1	Y		Applies to S62, S63, S64, S65, S133, S142, S143, S144, and S146 < 26 hours per year for reliability-related activities	BAAQMD Condition # 22826, Parts 3 and 4	C P/M	Hour meter, record keeping
Hours of Operation	BAAQMD Condition # 22828, Part 2	Y		Applies to S146 Unlimited hours for emergencies	BAAQMD Condition # 22828, Parts 3 and 4	C P/M	Hour meter, record keeping
	BAAQMD Condition # 22828, Part 1	Y		Applies to S146 < 28 hours per year for reliability-related activities	BAAQMD Condition # 22828, Parts 3 and 4	C P/M	Hour meter, record keeping
	BAAQMD Condition # 22830, Part 2	Y		Applies to S109, S110, and S118 Unlimited hours for emergencies	BAAQMD Condition # 22830, Parts 3 and 4	C P/M	Hour meter, record keeping
	BAAQMD Condition # 22830, Part 1	Y		Applies to S109, S110, and S118 < 30 hours per year for reliability-related activities	BAAQMD Condition # 22830, Parts 3 and 4	C P/M	Hour meter, record keeping
	BAAQMD Condition # 22850, Part 2	Y		Applies to S130, S131, and S132 Unlimited hours for emergencies	BAAQMD Condition # 22850, Parts 3 and 4	C P/M	Hour meter, record keeping
	BAAQMD Condition # 22850, Part 1	Y		Applies to S130, S131, and S132 < 50 hours per year for reliability-related activities	BAAQMD Condition # 22850, Parts 3 and 4	C P/M	Hour meter, record keeping

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-C
Applicable Limits and Compliance Monitoring Requirements
S148, S149, S150, S152, S153, S154, S155, S156, S157, S158, S160, S162, S163
New Emergency Diesel Engine Generators

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-303.1	N		>Ringelmann 2.0 for < 3 minutes in any hour		N	
Opacity	SIP Regulation 6-303.1	Y		>Ringelmann 2.0 for < 3 minutes in any hour		N	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N	
FP	SIP Regulation 6-310	Y		0.15 gr/dscf		N	
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: < 0.5 ppm for 3 minutes and < 0.25 ppm for 60 min. and <0.05 ppm for 24 hours	None	N	N/A
	BAAQMD 9-1-304	Y		0.5% wt Sulfur in liquid fuel		N	
	CARB ATCM 93115.5(a)(1)	N		Sulfur content of diesel fuel < 15 ppmw		N	
Hours of Operation	BAAQMD 9-8-330.1	N		Unlimited hours for emergencies	BAAQMD 9-8-530.2	C P/M	Hour meter, Records of Operating Hours
	BAAQMD 9-8-330.3	N	1/1/2012	50 hours per calendar year or permit limit whichever is lower for reliability-related activities	BAAQMD 9-8-530	C P/M	Hour meter, Records of Operating Hours

Renewal date:

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-C
Applicable Limits and Compliance Monitoring Requirements
S148, S149, S150, S152, S153, S154, S155, S156, S157, S158, S160, S162, S163
New Emergency Diesel Engine Generators

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition # 22850, Part 2	Y		Unlimited hours for emergencies	BAAQMD Condition # 22820, Parts 3 and 4	C P/M	Hour meter, record keeping
Hours of Operation	BAAQMD Condition # 22850, Part 1	Y		< 50 hours per year for reliability-related activities	BAAQMD Condition # 22820, Parts 3 and 4	C P/M	Hour meter, record keeping

Table VII-D
Applicable Limits and Compliance Monitoring Requirements
S138, S139, S140, Emergency Natural Gas Engine Generators

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-303.1	N		>Ringelmann 2.0 for < 3 minutes in any hour		N	
Opacity	SIP Regulation 6-303.1	Y		>Ringelmann 2.0 for < 3 minutes in any hour		N	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N	
FP	SIP Regulation 6-310	Y		0.15 gr/dscf		N	
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: < 0.5 ppm for 3 minutes and < 0.25 ppm for 60 min. and <0.05 ppm for 24 hours	None	N	N/A

Renewal date:

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-D
Applicable Limits and Compliance Monitoring Requirements
S138, S139, S140, Emergency Natural Gas Engine Generators

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 9-1-302	Y		300 ppm when burning gaseous fuels		N	
Hours of Operation	BAAQMD 9-8-330.1	N		Unlimited hours for emergencies	BAAQMD 9-8-530.2	C P/M	Hour meter, Records of Operating Hours
	BAAQMD 9-8-330.3	N	1/1/2012	50 hours per calendar year or permit limit whichever is lower for reliability-related activities	BAAQMD 9-8-530	C P/M	Hour meter, Records of Operating Hours
	BAAQMD Condition 19533, part 1	Y		50 hours per calendar year for reliability-related activities	BAAQMD Condition 19533, parts 2 and 3	P/E	Record-keeping

Table VII-E
Applicable Limits and Compliance Monitoring Requirements
S151, S159, Emergency Natural Gas Engine Generators

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-303.1	N		>Ringelmann 2.0 for < 3 minutes in any hour		N	
Opacity	SIP Regulation 6-303.1	Y		>Ringelmann 2.0 for < 3 minutes in any hour		N	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N	

Renewal date:

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-E
Applicable Limits and Compliance Monitoring Requirements
S151, S159, Emergency Natural Gas Engine Generators

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	SIP Regulation 6-310	Y		0.15 gr/dscf		N	
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: < 0.5 ppm for 3 minutes and < 0.25 ppm for 60 min. and <0.05 ppm for 24 hours	None	N	N/A
	BAAQMD 9-1-302	Y		300 ppm		N	
	BAAQMD Condition 23107, part 1	Y		Applies to S159: 50 hours per calendar year for reliability-related activities	BAAQMD Condition 23107, parts 2 and 3	P/E	Record-keeping
	BAAQMD Condition 23112, part 1	Y		Applies to S151: 50 hours per calendar year for reliability-related activities	BAAQMD Condition 23112, parts 2 and 3	P/E	Record-keeping

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~B~~G
Applicable Limits and Compliance Monitoring Requirements
S201, Turbine

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
~~NOX~~	~~BAAQMD 9-9-303.2~~	~~N~~		~~20.2 ppmv @ 15% O2 , dry (adjusted per 9-9-401) , except during start-up~~	~~BAAQMD 9-9-501~~	~~C~~	~~CEM~~
NOx	BAAQMD 9-9-301.2 and 9-9-603	N		0.70 lbs/MW-hr or 20.2 ppmv, 3-hr average when burning natural gas	BAAQMD 9-9-501	C	CEM
	BAAQMD 9-9-301.2 and 9-9-603	N		1.97 lbs/MW-hr or 42 ppmv, 3-hr average when burning non-gaseous fuel	BAAQMD 9-9-501	C	CEM
NOX	SIP 9-9-303.2	Y		20.2 ppmv @ 15% O2-, dry (adjusted per 9-9-401)~~-~~, except during start-up	SIP 9-9-501	C	CEM
	~~BAAQMD 9-9-303.2~~	~~N~~		~~42 ppmv @ 15% O2 , dry during natural gas curtailment or short testing periods~~	~~BAAQMD 9-9-501~~	~~C~~	~~CEM~~
	SIP 9-9-303.2	Y		42 ppmv @ 15% O2-, dry when burning fuel oil during natural gas curtailment or short testing periods	SIP 9-9-501	C	CEM
	BAAQMD Cond #366 Part 4	Y		0.70 lbs/MW-hr or 20.2 ppmdv - natural gas: @15 % O2, 3 hr avg, except during start-up	BAAQMD Cond #366 Part 12	C	CEM
NOx	BAAQMD Cond #366 Part 5	Y		0.70 lb/MW-hr or 20.2 ppmdv - natural gas: @ 15 % O2 (combined S201 & S202), 3 hr avg, except during start-up	BAAQMD Cond #366 Part 12	C	CEM

Renewal date:

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~B~~G
Applicable Limits and Compliance Monitoring Requirements
S201, Turbine

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Cond #366 Part 6	Y		42 ppmdv - fuel oil: @15 % O2, 3 hr avg, except during start-up	BAAQMD Cond #366 Part 12	C	CEM
NOx	BAAQMD Cond #366 Part 7	Y		39 ppmdv - fuel oil: @15 % O2 (combined S201 & S202), 3 hr avg, except during start-up	BAAQMD Cond #366 Part 12	C	CEM
	BAAQMD Cond #366 Part 10	Y		547 lb/day when burning natural gas and 1093 lb/day when burning fuel oil (combined S201 & ~~41~~S202)	BAAQMD Cond #366 Part 12	C	CEM
	NSPS Subpart GG, 60.332(a)(1)	Y		99 ppmdv @ 15% O2 dry, 4~~-~~-hr average	NSPS Subpart GG, 60.334(b)	C	CEM
CO	BAAQMD Cond #366 Part 4a	Y		200 ppm @ 15% O2, 3-hour average except during start-up	BAAQMD Cond #366 Part 12a	C	CEM
CO	BAAQMD Cond #366 Part 5a	Y		200 ppm @ 15% O2 (combined S201 & 41) 3-hour average except during start-up	BAAQMD Cond #366 Part 12a	C	CEM
CO	BAAQMD Cond #366 Part 10	Y		2195 lb/day (natural gas or fuel oil) (combined S201 & ~~41~~201)	BAAQMD Cond #366 Parts 10, 12a, and 18	C	CEM, annual source test

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~B~~G
Applicable Limits and Compliance Monitoring Requirements
S201, Turbine

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Cond #366 Part 2	Y		Maximum of 0.12% by wt. Sulfur in fuel oil	BAAQMD Cond #366 Parts 2	P/E	At Each Delivery, Fuel Sampling using District's Laboratory Procedure Method 10
SO2	BAAQMD Cond #366 Part 3	Y		Maximum of 0.25% by wt. Sulfur in fuel oil during periods of natural gas curtailment	BAAQMD Cond #366 Parts 2	P/E	At Each Delivery, Fuel Sampling using District's Laboratory Procedure Method 10
	BAAQMD Cond #366 Part 11	Y		987 lb/day except during natural gas curtailment or shutdown as allowed by Cond #366, part 3 (combined S201 & S202)	BAAQMD Cond #366 Part 11	P/E	Fuel Sampling using District's Laboratory Procedure Method 10
	BAAQMD Cond #366 Part 11	Y		~~987 lb/day (natural gas)~~ 40 tons/year (combined S201 & ~~41~~S202)	BAAQMD Cond #366 Part~~s~~ 11	P/E	Fuel Sampling using District's Laboratory Procedure Method 10

Renewal date:

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~B~~G
Applicable Limits and Compliance Monitoring Requirements
S201, Turbine

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
SO2	BAAQMD 9-1-302	Y		300 ppm (dry)		N	
	BAAQMD 9-1-304	Y		0.5% wt. Sulfur in liquid fuel		P/E	Fuel certification
SO2	NSPS Subpart GG, 60.333 (a)	Y		0.015% (vol) @ 15% O2 (dry), or 0.8 % sulfur in gaseous fuel by weight	NSPS Subpart GG, 60.334 (h)(3)	P/M or EN	Monthly gaseous fuel analysis or current, valid purchase contract, tariff sheet or transport-ation contract
SO2	NSPS Subpart GG, 60.333 (b)	Y		0.8 % sulfur in fuel oil by weight	NSPS Subpart GG, 60.334 (h)(1), 60.334(i)(1)	P/E	At Each Fuel Oil Delivery, Fuel Sampling using District's Laboratory Procedure Method 10
Opacity	BAAQMD 6-1-301	N		≥Ringelmann No. 1 for ~~no more than~~ ≤ 3 minutes in an hour	BAAQMD Cond #366 Part 19	P/E, during distillate oil combustion	Visible emissions monitoring

Renewal date:

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~B~~G
Applicable Limits and Compliance Monitoring Requirements
S201, Turbine

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	SIP 6-301	Y		≥Ringelmann No. 1 for ~~no more than~~ ≤ 3 minutes in an hour	BAAQMD Cond #366 Part 19	P/E, during distillate oil combustion	Visible emissions monitoring
FP	BAAQMD 6-1-310.1 and 6-1-310.3	N		0.15 grain/dscf @ 6% O2		N	
FP	SIP 6-310	Y		0.15 grain/dscf @ 6% O2		N	

1 ~~1~~ Ground Level Concentration

Table VII-~~C~~H
Applicable Limits and Compliance Monitoring Requirements
S202, Duct Burner

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
~~NOX~~	~~BAAQMD 9-9-303.2~~	~~N~~		~~20.2 ppmv @ 15% O2, dry (adjusted per 9-9-401) , except during start-up~~	~~BAAQMD 9-9-501~~	~~C~~	~~CEM~~
NOx	BAAQMD 9-9-301.2	N		0.70 lbs/MWhr or 15 ppmv, 3-hr average when burning natural gas	BAAQMD 9-9-501	C	CEM
	BAAQMD 9-9-301.2	N		1.97 lbs/MWhr or 42 ppmv, 3-hr average when burning non-gaseous fuel	BAAQMD 9-9-501	C	CEM
NOX	SIP 9-9-303.2	Y		20.2 ppmv @ 15% O2, dry (adjusted per 9-9-401) , except during start-up	BAAQMD 9-9-501	C	CEM

Renewal date:

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~C~~H
Applicable Limits and Compliance Monitoring Requirements
S202, Duct Burner

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	~~BAAQMD 9-9-303.2~~	~~N~~		~~42 ppmv @ 15% O2 , dry during natural gas curtailment or short testing periods~~	~~BAAQMD 9-9-501~~	~~C~~	~~CEM~~
NOx	SIP 9-9-303.2	Y		42 ppmv @ 15% O2 , dry during natural gas curtailment or short testing periods	BAAQMD 9-9-501	C	CEM
NOx	BAAQMD Cond #366, Part 5	Y		0.70 lbs/MW-hr or 15 ~~20.2~~ ppmdv - natural gas: @15 % O2 (combined S201 & S202), 3 hr avg, except during start-up	BAAQMD Cond #366, Part 12	C	CEM
	BAAQMD Cond #366, Part 7	Y		39 ppmdv - fuel oil: @15 % O2 (combined S201 & S202), 3 hr avg, except during start-up	BAAQMD Cond #366, Part 12	C	CEM
	BAAQMD Cond #366, Part 10	Y		547 lb/day when burning natural gas and 1093 lb/day when burning fuel oil (combined S201 & 41)	BAAQMD Cond #366, Parts 9 and 12	C	CEM
	NSPS Subpart GG, 60.332(a)(1)	Y		99 ppmdv @ 15% O2 dry, 4 - hr average	NSPS Subpart GG, 60.334(b)	C	CEM
CO	BAAQMD Cond #366 ,Part 5a	Y		200 ppm @15% O2 (combined S201 & 41) 3-hour average except during start-up	BAAQMD Cond #366, Part 12a	C	CEM

Renewal date:

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~C~~H
Applicable Limits and Compliance Monitoring Requirements
S202, Duct Burner

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Cond #366, Part 10	Y		2195 lb/day (natural gas) 2195 lb/day (fuel oil) (combined S201 & ~~41~~S202)	BAAQMD Cond #366, Parts 10, 12a, and 18	C	CEM, annual source test
SO2	BAAQMD Cond #366, Part 11	Y		987 lb/day except during natural gas curtailment or shutdown as allowed by Cond #366, part 3 (combined S201 & S202)	BAAQMD Cond #366, Part 11	P/E	Fuel Sampling using District's Laboratory Procedure Method 10
SO2	BAAQMD Cond #366, Part 11	Y		~~987 lb/day (natural gas)~~ 40 tons/year (combined S201 & ~~41~~S202)	BAAQMD Cond #366, Part~~s~~ 11	P/E	At Each Delivery, Fuel Sampling using District's Laboratory Procedure Method 10
SO2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
SO2	BAAQMD 9-1-302	Y		300 ppm (dry)		N	
	BAAQMD 9-1-304	Y		0.5% wt Sulfur in liquid fuel		P/E	Fuel certi-fication

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~C~~H
Applicable Limits and Compliance Monitoring Requirements
S202, Duct Burner

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	NSPS Subpart GG, 60.333 (a)	Y		0.015% (vol) @ 15% O2 (dry), or 0.8 % sulfur in gaseous fuel by weight	NSPS Subpart GG, 60.334 (h)(3)	P/M or EN	Monthly gaseous fuel analysis or current, valid purchase contract, tariff sheet or transporta-tion contract
SO2	NSPS Subpart GG, 60.333 (b)	Y		0.8 % sulfur in fuel oil by weight	NSPS Subpart GG, 60.334 (h)(1), 60.334(i)(1)	P/E	At Each Fuel Oil Delivery, Fuel Sampling using District's Laboratory Procedure Method 10
Opacity	BAAQMD 6-1-301	N		≥Ringelmann No. 1 for ~~no more than~~ < 3 minutes in an hour	BAAQMD Cond #366 Part 19	P/E, during distillate oil combustion	Visible emissions monitoring
Opacity	SIP 6-301	Y		≥Ringelmann No. 1 for ~~no more than~~ < 3 minutes in an hour	BAAQMD Cond #366 Part 19	P/E, during distillate oil combustion	Visible emissions monitoring
FP	BAAQMD 6-1-310.1 and 6-1-310.3	N		0.15 grain/dscf @ 6% O2		N	

Renewal date:

VII. Applicable Emission Limits & Compliance Monitoring Requirements

FP	SIP 6-310	Y		0.15 grain/dscf @ 6% O2		N	

1 Ground Level Concentration

Table VII-I
Applicable Limits and Compliance Monitoring Requirements
S100, Facility-wide Painting Operations

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-19-302	Y		Baked Coatings: 2.3 lb/gal Air Dried Coatings: 2.8 lb/gal	BAAQMD 8-19-501 and Condition 21880, part 1c.iv	P/W/M	Records
VOC	BAAQMD 8-19-312.1	Y		Camouflage: Baked Coatings: 3.0 lb/gal Air Dried Coatings: 3.5 lb/gal	BAAQMD 8-19-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-19-312.3	Y		Heat Resistant: Baked Coatings: 3.0 lb/gal Air Dried Coatings: 3.5 lb/gal	BAAQMD 8-19-501 and Condition 21880, part 1c.iv	P/W/M	Records
VOC	BAAQMD 8-19-312.4	Y		High Performance Architectural Baked Coatings: 3.5 lb/gal Air Dried Coatings: 3.5 lb/gal	BAAQMD 8-19-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-19-312.5	Y		Metallic Topcoat Baked Coatings: 3.0 lb/gal Air Dried Coatings: 3.5 lb/gal	BAAQMD 8-19-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-19-312.7	Y		Pretreatment Wash Primer Baked Coatings: 3.5 lb/gal Air Dried Coatings: 3.5 lb/gal	BAAQMD 8-19-501 and Condition 21880, part 1c.iv	P/W/M	Records

Renewal date:

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-I
Applicable Limits and Compliance Monitoring Requirements
S100, Facility-wide Painting Operations

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 8-19-312.8	Y		Silicon Release Baked Coatings: 3.5 lb/gal Air Dried Coatings: 3.5 lb/gal	BAAQMD 8-19-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-19-312.9	Y		Solar Absorbent Baked Coatings: 3.0 lb/gal Air Dried Coatings: 3.5 lb/gal	BAAQMD 8-19-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-19-312.12	Y		Extreme Performance Baked Coatings: 3.5 lb/gal Air Dried Coatings: 3.5 lb/gal	BAAQMD 8-19-501 and Condition 21880, part 1c.iv	P/W/M	Records
VOC	BAAQMD 8-19-312.13	Y		High Temperature Baked Coatings: 3.5 lb/gal Air Dried Coatings: 3.5 lb/gal	BAAQMD 8-19-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-23-301	Y		2.1 lb/gal	BAAQMD 8-23-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-31-302	Y		2.8 lb/gal	BAAQMD 8-31-501 and Condition 21880, part 1c.iv	P/W/M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-I
Applicable Limits and Compliance Monitoring Requirements
S100, Facility-wide Painting Operations

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 8-31-302	Y		2.8 lb/gal	BAAQMD 8-31-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-31-306.1	Y		Flexible Parts: Flexible Primer: 4.1 lb/gal	BAAQMD 8-31-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-31-306.2	Y		Flexible Parts: Color Topcoat: 3.8 lb/gal	BAAQMD 8-31-501 and Condition 21880, part 1c.iv	P/W/M	Records
VOC	BAAQMD 8-31-306.3	Y		Flexible Parts: Base coat/clear coat (combined system): 2.8 lb/gal	BAAQMD 8-31-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-31-309.1	Y		Camouflage: 3.5 lb/gal	BAAQMD 8-31-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-31-309.2	Y		Conductive: 2.7 lb/gal	BAAQMD 8-31-501 and Condition 21880, part 1c.iv	P/W/M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-I
Applicable Limits and Compliance Monitoring Requirements
S100, Facility-wide Painting Operations

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 8-31-309.3	Y		Metallic Topcoat: 3.5 lb/gal	BAAQMD 8-31-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-31-309.4	Y		Extreme Performance: 6.2 lb/gal	BAAQMD 8-31-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-31-309.5	Y		High Gloss: 3.5 lb/gal	BAAQMD 8-31-501 and Condition 21880, part 1c.iv	P/W/M	Records
VOC	BAAQMD 8-31-309.6	Y		Optical: 6.7 lb/gal	BAAQMD 8-31-501 and Condition 21880, part 1c.iv	P/W/M	Records
	BAAQMD 8-31-301	Y		See rule		N	
Through-put	Condition 21880, part 1a	Y		Non-water-based coating < 80 gal/consecutive 12-month period	Condition 21880, part 1c.iii	P/W/M	Record-keeping
	Condition 21880, part 1a	Y		Water-based coating < 250 gal/consecutive 12-month period	Condition 21880, part 1c.iii	P/W/M	Record-keeping
	Condition 21880, part 1b	Y		Cleanup and surface preparation solvent < 10 gal/consecutive 12-month period	Condition 21880, part 1c.i and 1c.iii	P/W/M	Record-keeping

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-I
Applicable Limits and Compliance Monitoring Requirements
S100, Facility-wide Painting Operations

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	Condition 21880, part 1b	Y		Organic thinner < 10 gal/consecutive 12-month period	Condition 21880, part 1c.ii and 1c.iii	P/W/M	Record-keeping

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-310.1	Particulate Weight Limitation	EPA Method 5, Particulate Matter~~Manual of Procedures, Volume IV, ST-15, Particulates Sampling~~
BAAQMD 6-1-310.2	Particulate Weight Limitation	EPA Method 5, Particulate Matter
BAAQMD 6-1-310.3	Particulate Weight Limitation	EPA Method 5, Particulate Matter
SIP 6-310.1	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-9-303	Emission Limits-Alternative Schedule (9/21/94)	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-9-303.2	January 1, 2000 standard	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-9-401	Certification, Efficiency	ASTM D240-87 or ASTM D-2382-88 for liquid hydrocarbon fuel or ASTM 1826-88 or ASTM 1945-81 in conjunction w/ASTM D3588-89 for gaseous fuels

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
NSPS 40CFR60, Subpart GG	Standards of Performance for Stationary Gas Turbines(2/24/06)	
60.332 (a)(1)	Performance Standard, NOx	EPA Method 20, Determination of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.333 (a)	SO2 Volumetric Emission Limit	EPA Method 20, Determination of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.333(b)	Fuel Sulfur Limit (liquid fuel)	ASTM D 2880-71 Standard specification for Gas Turbine Fuel Oils
60.333 (b)	Fuel Sulfur Limit (gaseous fuel)	ASTM D 1072-80, Standard Method for Total Sulfur in Fuel Gases ASTM D 3031-81, Standard Test Method for Total Sulfur in Natural Gas by Hydrogenation
BAAQMD Condition 366		
Part 2	Sulfur Limit [BACT]	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
Part 3	Sulfur Limit (natural gas curtailment) [BACT]	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
Part 4	BACT NOx Limit (natural gas) [BACT]	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
Part 4a	RACT CO Limit (natural gas & fuel oil)[RACT]	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
Part 6	BACT NOx Limit (fuel oil) [BACT]	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
Part 10	NOx and CO Limit (lb/day) - combined S201 & 41 emissions [BACT]	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
Part 11	SO2 Limit (lb/day & tpy) - combined S201 & 41 emissions [BACT]	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
Part 18	CO Source Test	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
Part 19	Visible Emission Inspection	EPA Method 9

IX. PERMIT SHIELD

A. Non-applicable Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following table[s] ~~are not applicable~~ do not apply to the source or group of sources identified at the top of the table[s]. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

Table IX
S201, Turbine and S202, Duct Burner

Citation	Title or Description (Reason not applicable)
Regulation 8, Rule 2	Organic Compounds - Miscellaneous Operations (Rule not applicable to combustion sources)

Renewal date:

X. Revision History

Initial Issuance: February 16, 1999

Administrative Amendment:
Inclusion of efficiency adjustment to 9-9-303.1 NOx limit December 29, 1999

Significant Modification (Application # 579):
Increase in daily mass emission limit for carbon monoxide to allow increase in steam injection for NOx control.
Subsumption of Turbine NSPS fuel monitoring requirement; periodic monitoring for NSPS NOx limit. August 22, 2000

Renewal (Application # 8132) July 18, 2005

Renewal (Application # 21344) April 17, 2012

- Changed the name of responsible official;
- Mailing address is updated;
- Regulations, which were inadvertently omitted earlier, are added to the Generally Applicable Requirements;
- Corrected the dates of adoption and/or most recent amendment of regulations;
- Source-Specific regulatory requirements are added, updated, or rewritten for better clarity;
- ATCM requirements are added to the Source-Specific Table for S1;
- Permit condition # 22010 for S1 is replaced by Standard Template Condition # 22820;
- Basis of permit conditions, wherever required, are updated

Administrative Amendment (Application #28813) November 28, 2017

- The following changes were made:
  - Facility name changed from PE Berkeley to University of California, Berkeley.
  - The facility number was changed from #B1326 to A0059.
  - The responsible official was changed to G. Steven Martin, Vice Chancellor for Research.
  - The facility contact was changed to Bernadette Santos.
  - The mailing address was changed to 317 University Hall #1140, Berkeley, CA 94720.
  - The phone numbers were changed to 510-642-7540 and 510-642-3073.
  - The type of facility was changed to “University”.
  - The SIC code was changed to 8221.

X. Revision History

- The District contact was changed to Alfonso Borja.
- The number of Source 1, Emergency Diesel Engine-Generator, was changed to Source 200.
- The number of Source 40, Turbine, was changed to Source 201.
- The number of Source 41, Duct Burner, was changed to Source 202.

Correction to Administrative Amendment (Application #28813) December 12, 2017

- The following changes were made:
  - The facility mailing address was corrected from 317 University Hall #1140, Berkeley, CA 94720 to 317 University Hall #1150, Berkeley, CA 94720.
  - The responsible official was updated from G. Steven Martin, Vice Chancellor for Research to Randy Howard Katz, Vice Chancellor of Research.
  - The facility contact's title was corrected from Facility Manager to Environmental Protection Specialist.
  - The facility contact's number was corrected from 510-486-0313 to 510-642-3073.

Renewal (Applications # 28242, 28853)

XI. Glossary

ACT
Federal Clean Air Act

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CFR
The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO
Carbon Monoxide

Cumulative Increase
The sum of permitted emissions from each new or modified source since a specified date. Used to determine whether threshold-based requirements are triggered.

District
The Bay Area Air Quality Management District

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District Regulations.

Federally Enforceable, FE
All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPS), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP
Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

GLC
Ground Level Concentration

MOP
The District's Manual of Procedures.

NMHC
Non-methane Hydrocarbons

NOx
Oxides of nitrogen.

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by both 40 CFR Part 60 and District Regulation 10.

NSR

XI. Glossary

New Source Review. A federal program for preconstruction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

POC
Precursor Organic Compounds

PM
Total Particulate Matter

PM10
Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

SIP
State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SO2
Sulfur dioxide

Title V
Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

Units of Measure:

Btu	=	British Thermal Unit
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
max	=	maximum
min	=	minute
MM	=	million
ppmdv	=	parts per million, dry, by volume
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
scfm	=	standard cubic feet per minute
yr	=	year