

Bay Area Air Quality Management District

939 Ellis Street
San Francisco, CA 94109
(415) 771-6000

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

**Pacific Gas & Electric Company, Hunters Point Power Plant
Facility #A0024**

Facility Address:

1000 Evans Avenue
San Francisco, CA 94124

Mailing Address:

1000 Evans Avenue
San Francisco, CA 94124

Responsible Official

Randal S. Livingston,
Manager, Steam Generation
(415) 973-6950

Facility Contact

Secondary Responsible Official

~~Michael L. Jones~~ Robert S. McClure,
Plant Manager - Hunters Point Power Plant
(415) 695-2200

Type of Facility: Electric Generation

Primary SIC: 4911

Product: Electricity

BAAQMD Permit Division Contact:

~~Weyman Lee~~ Brenda Cabral

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer

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 ~~5/2/01~~~~10/7/98~~);

SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through ~~6/288/27~~/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on ~~8/1/01~~~~10/7/98~~);

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

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on ~~5/17/00~~~~10/7/98~~);

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

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on ~~5/17/00~~~~10/7/98~~); ~~and~~

SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99); ~~and~~

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review

(as amended by the District Board on 4/16/03).

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)
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)

I. Standard Conditions

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, nor 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 ~~which 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. (MOP Volume II, Part 3, §4.11)

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 ~~which 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

I. Standard Conditions

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, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring reports must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. Monitoring reports shall be for the following periods: ~~September 1st-14th~~ through ~~March 13th-June 30th of the following year~~ and ~~March 14th-July 1st~~ through ~~September 13th~~December 31st, and are due thirty days after the end of the reporting period. 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 to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; 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 Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be ~~September 14th-January 1st~~ to ~~September 13-December 31st of the following year~~. The certification shall be submitted by ~~October 13th~~January 31st of each year. 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:

Director of the Air Division
U.S. EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105

I. Standard Conditions

Attention: Air-3

(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 ~~caused by conditions beyond the permit holder's reasonable control~~ 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. ~~Any variance granted by the Hearing Board from any term or condition of this permit which lasts longer than 90 days will be subject to EPA approval.~~ (MOP Volume II, Part 3, §4.8)
3. ~~Notwithstanding the foregoing,~~ 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

1. 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. Conditions to Implement Regulation 2, Rule 7, Acid Rain~~

- ~~1. Every year starting January 30, 2000, the permit holder shall hold one sulfur dioxide allowance on January 30 for each ton of sulfur dioxide emitted during the preceding year from January 1 through December 31. (MOP Volume II, Part 3, §4.9)~~
- ~~2. The equipment installed for the continuous monitoring of CO₂ and NO_x shall be maintained and operated in accordance with 40 CFR Parts 72 and 75. (Regulation 2-7, Acid Rain)~~
- ~~3. A written Quality Assurance program must be established in accordance with 40 CFR Part 75, Appendix B for NO_x which includes, but is not limited to: procedures for daily calibration testing, quarterly linearity testing, recordkeeping and reporting implementation, and relative accuracy testing. (Regulation 2-7, Acid Rain)~~
- ~~4. The permit holder shall monitor SO₂ emissions in accordance with 40 CFR Part 72 and 75. (Regulation 2-7, Acid Rain)~~
- ~~5. The permit holder shall submit quarterly Electronic Data Reports (EDR) to EPA for Boilers S3, S4, S5, S6, and S7. These reports must be submitted within 30 days following the end of each calendar quarter and shall include all information required in § 75.64. (40 CFR Part 75)~~

J. Miscellaneous Conditions

I. Standard 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)

K. (Reserved)

L. Conditions to Implement Regulation 2, Rule 7, Acid Rain

1. Every year starting January 30, 2000, the permit holder shall hold one sulfur dioxide allowance on January 30 for each ton of sulfur dioxide emitted during the preceding year from January 1 through December 31. (MOP Volume II, Part 3, §4.9)
2. The equipment installed for the continuous monitoring of CO₂ and NO_x shall be maintained and operated in accordance with 40 CFR Parts 72 and 75. (Regulation 2-7, Acid Rain)
3. A written Quality Assurance program must be established in accordance with 40 CFR Part 75, Appendix B for NO_x which includes, but is not limited to: procedures for daily calibration testing, quarterly linearity testing, recordkeeping and reporting implementation, and relative accuracy testing. (Regulation 2-7, Acid Rain)
4. The permit holder shall monitor SO₂ emissions in accordance with 40 CFR Part 72 and 75. (Regulation 2-7, Acid Rain)
5. The permit holder shall submit quarterly Electronic Data Reports (EDR) to EPA for Boiler S7. These reports must be submitted within 30 days following the end of each calendar quarter and shall include all information required in § 75.64. (40 CFR Part 75)

II. EQUIPMENT LIST

~~A. Permitted Source List~~

Each of the following sources has been issued a Permit to Operate pursuant to the requirements of BAAQMD Regulation 2-1-302. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

Table II-A

S#	Description	Make or Type	Model	Capacity
S1	Gas Turbine Unit No. 1 - Engine "A" with water injection; Distillate Oil Fired	Turbo Power and Marine Systems	FT4C-1D/LF	26 MW <u>2600 gal/hr</u> <u>356 MMBtu/hr</u>
S2	Gas Turbine Unit No. 1 - Engine "B" with water injection; Distillate Oil Fired	Turbo Power and Marine Systems	FT4C-1D/LF	26 MW <u>2600 gal/hr</u> <u>356 MMBtu/hr</u>
S-3	Boiler No. 3—Electric Generation; Gas and Oil Fired	Babeock & Wilcox	radiant boiler	670 MMBTU/hr
S-4	Boiler No. 4—Electric Generation; Gas and Oil Fired	Babeock & Wilcox	radiant boiler	670 MMBTU/hr
S-5	Boiler No. 5—Electric Generation; Gas and Oil Fired	Babeock & Wilcox	radiant boiler	670 MMBTU/hr
S-6	Boiler No. 6—Electric Generation; Gas and Oil Fired	Babeock & Wilcox	radiant boiler	670 MMBTU/hr
S7	Boiler No. 7 – Electric Generation; Gas and Oil Fired	Combustion Engineering	Type R	1,720 MMBTU/hr
S16	No. 9 Jet Fuel Tank	Internal floating roof		1,087,000 gal
S17	Jet Fuel Loading/Unloading Facility	1 filler, multi-liquid		
S19	Oil Water Separator	Pacific Industrial Engineering		500 gal/min
S29	Cold Solvent Degreaser	Safety Kleen	Model 30	20 gallons
S30	Maintenance Coating Operation	custom design		
S31	Maintenance Wipe Cleaning			

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 ~~will~~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 parenthesis 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 included in Section XI of this permit. The full language of SIP requirements is included in Appendix A of this permit if the SIP requirement is different from the current BAAQMD requirement.

NOTE:

There are differences between current BAAQMD rules and versions of the rules in the SIP. ~~For specific information, contact the District's Planning and Research Division.~~ All sources must comply with both versions of a rule until the ~~U.S.~~EPA has reviewed and approved the District's revision of the regulation.

Table III

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01 10/7/98)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	Y
<u>BAAQMD Regulation 2, Rule 1</u>	<u>General Requirements (8/1/01)</u>	<u>N</u>
<u>BAAQMD 2-1-429</u>	<u>Federal Emissions Statement (6/7/95)</u>	<u>Y</u>
<u>SIP Regulation 2, Rule 1</u>	<u>General Requirements (8/27/99)</u>	<u>Y</u>
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (11/2/94 3/6/02)	Y N

III. Generally Applicable Requirements

Table III

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 5	Open Burning (9/4/98)	<u>Y</u>
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	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 (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/20/95 12/1/01)	Y
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/18/98)	<u>Y</u>
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)	<u>Y</u>
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/94)	<u>Y</u>
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 12/20/95)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	<u>Y</u>
BAAQMD Regulation 9, Rule 1	Sulfur Dioxide	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
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
California Health and Safety Code Section 44300 et seq. AB 2588	California Assembly Bill 2588 Toxics “Hot Spots”	N
40 CFR Part 61, Subpart M	National Emission Standards Hazardous Air Pollutants, Asbestos	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 parenthesis 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 included in Appendix A of this permit if the SIP requirements are different from the current BAAQMD requirements. The full language of SIP requirements is on EPA Region 9’s website. The address is included in Section XI of this permit.~~ All other text may be found in the regulations themselves.

Table IV - A
Source-specific Applicable Requirements
FACILITY

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>BAAQMD Regulation 2, Rule 9</u>	<u>Interchangeable Emission Reduction Credits (4/7/99)</u>		
<u>2-9-301</u>	<u>Bankable Interchangeable Emission Reduction Credits – General Provisions</u>	<u>N</u>	
<u>2-9-302</u>	<u>Use of IERC’s</u>	<u>N</u>	
<u>2-9-303</u>	<u>Alternative Compliance Plan using IERC’s</u>	<u>N</u>	
<u>2-9-304</u>	<u>Restrictions on the Use of IERC’s</u>	<u>N</u>	
<u>2-9-306</u>	<u>Environmental Benefit Surcharge</u>	<u>N</u>	
<u>2-9-502</u>	<u>Alternative Compliance Plan Record Keeping and Reporting</u>	<u>N</u>	
<u>2-9-601</u>	<u>Emission Reduction Calculations – General Requirements</u>	<u>N</u>	

IV. Source-Specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
FACILITY

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>BAAQMD</u> <u>Condition</u> <u>#21220</u>	<u>Permit Conditions</u>		
<u>Part 1</u>	<u>Requirement for CEMs (1-520.1)</u>	<u>Y</u>	
<u>Part 2</u>	<u>Limit on use of IERCs (Settlement Agreement regarding the Banking and Usage of IERCs in an Effort to Expedite Closure of Hunters Point Power Plant)</u>	<u>N</u>	
<u>Part 3</u>	<u>IERC calculations (2-9-502)</u>	<u>N</u>	
<u>Part 4</u>	<u>IERC records (2-9-502)</u>	<u>N</u>	
<u>Part 5</u>	<u>IERC reports (2-9-502)</u>	<u>N</u>	
<u>Part 6</u>	<u>Annual reconciliation reports (2-9-502)</u>	<u>N</u>	

Table IV-AB
S1 Gas Turbine Unit No. 1-Engine "A"
S2 Gas Turbine Unit No. 1-Engine "B"

<u>Applicable Requirement</u>	<u>Regulation Title or Description of Requirement</u>	<u>Federally Enforceable (Y/N)</u>	<u>Future Effective Date</u>
<u>BAAQMD</u> <u>Regulation 1</u>	<u>General Provisions and Definitions (5/2/01)</u>		
<u>1-523</u>	<u>Parametric Monitoring and Recordkeeping Procedures</u>	<u>N</u>	
<u>1-523.1</u>	<u>Parametric monitor periods of inoperation</u>	<u>Y</u>	
<u>1-523.2</u>	<u>Limits on periods of inoperation</u>	<u>Y</u>	
<u>1-523.3</u>	<u>Reports of Violations</u>	<u>N</u>	
<u>1-523.4</u>	<u>Records</u>	<u>Y</u>	
<u>1-523.5</u>	<u>Maintenance and calibration</u>	<u>N</u>	
<u>SIP</u> <u>Regulation 1</u>	<u>General Provisions and Definitions (6/28/99)</u>		
<u>1-523</u>	<u>Parametric Monitoring and Recordkeeping Procedures</u>	<u>Y¹</u>	
<u>1-523.3</u>	<u>Reports of Violations</u>	<u>Y¹</u>	
<u>1-523.5</u>	<u>Maintenance and calibration</u>	<u>Y¹</u>	

IV. Source-Specific Applicable Requirements

Table IV-AB
S1 Gas Turbine Unit No. 1-Engine "A"
S2 Gas Turbine Unit No. 1-Engine "B"

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particulates	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 Limitation	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 9	Inorganic Gaseous Pollutants, Nitrogen Oxides from Stationary Gas Turbines (9/21/94)		
9-9-114	Exemption, Start-up and Shutdown Periods	Y	
9-9-302	Emission Limits, Low Usage	Y	
9-9-502	Records, Low Usage	Y	
BAAQMD Cond #15815			
Part 1	Visible emissions monitoring (6-301, 2-6-503)	Y	
Part 2	Recordkeeping for visible emissions monitoring (2-6-501)	Y	
Part 3	Water injection and monitoring (9-9-302, 2-6-503)	Y	
Part 4	Fuel sulfur specification and monitoring (2-6-503, 9-1-304)	Y	
Part 5	Hours of operation limitation (9-9-302)	Y	
Part 6	Recordkeeping (2-6-501)	Y	

¹This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

IV. Source-Specific Applicable Requirements

Table IV-B
~~S-3, Electric Generation Boiler No. 3~~
~~S-4, Electric Generation Boiler No. 4~~
~~S-5, Electric Generation Boiler No. 5~~
~~S-6, Electric Generation Boiler No. 6~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (10/7/99)		
1-520	Continuous Emission Monitoring	Y	
1-520.1	Steam Generators Rated 250 MMBTU or More Per Hour	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
1-522.1	Plans and Specifications	Y	
1-522.2	Installation Scheduling	Y	
1-522.3	Performance Testing	Y	
1-522.4	Periods of Inoperation Greater Than 24 Hours	Y	
1-522.5	Calibration	Y	
1-522.6	Accuracy	Y	
1-522.7	Excesses	Y	
1-522.8	Monthly Reports	Y	
1-522.9	Records	Y	
1-522.10	Monitors Required by Sections 1-521 or 2-1-403	Y	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann Number 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	

IV. Source-Specific Applicable Requirements

Table IV-B (continued)
~~S-3, Electric Generation Boiler No. 3~~
~~S-4, Electric Generation Boiler No. 4~~
~~S-5, Electric Generation Boiler No. 5~~
~~S-6, Electric Generation Boiler No. 6~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-401	Appearance of Emissions	Y	
6-501	Sampling Facilities and Instruments Required	Y	
6-502	Data, Records and Reporting	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 Limitation	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 11	Inorganic Gaseous Pollutants, Nitrogen Oxides and Carbon Monoxide From Utility Electric Power Generating Boilers (11/15/95)		
9-11-111	Exemption, Startup or Shutdown	Y	
9-11-112	Exemption, Oil Testing	Y	
9-11-113	Exemption, Limited Capacity Factor	N	
9-11-306	Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Less Than 1.5 Billion BTU/hour	Y	
9-11-307	Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Less Than 1.5 Billion BTU/hour	N	12/31/00
9-11-308	System-wide NOx Emission Rate Limit	Y	
9-11-309	Advanced Technology Alternative Emission Control Plan	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.160 lb/MMBTU	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.115 lb/MMBTU	N	1/1/99
9-11-309.1	System-wide NOx Emission Rate Limits: 0.105 lb/MMBTU	N	1/1/00
9-11-309.1	System-wide NOx Emission Rate Limits: 0.057 lb/MMBTU	N	1/1/02
9-11-309.1	System-wide NOx Emission Rate Limits: 0.037 lb/MMBTU	N	1/1/04
9-11-309.1	System-wide NOx Emission Rate Limits: 0.018 lb/MMBTU	N	1/1/06
9-11-309.2	Boilers in Startup or Shutdown; Boilers Taken Out of Service; Boilers on Force Majeure Natural Gas Curtailment; and Oil Testing	N	

IV. Source-Specific Applicable Requirements

Table IV-B (continued)
~~S-3, Electric Generation Boiler No. 3~~
~~S-4, Electric Generation Boiler No. 4~~
~~S-5, Electric Generation Boiler No. 5~~
~~S-6, Electric Generation Boiler No. 6~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-11-310	CO Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	Y	
9-11-311	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	Y	Upon installment of an applicable control device
9-11-401	Compliance Schedule—Emissions Limits	Y	
9-11-402	Initial and Annual Demonstration of Compliance	N	
9-11-501	Fuels Monitoring	Y	
9-11-502	Modified Maximum Heat Input Capacity	Y	Upon physical modification affecting max-heat input
9-11-503	Emissions Monitoring	Y	
9-11-504	Records	Y	
9-11-505	Reporting Requirements	Y	
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants, Lead (3/17/82)		
11-1-301	Daily Limitation	Y	
11-1-302	Ground level Concentration Limit Without Background	Y	
BAAQMD Manual of Procedures, Volume V	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
40 CFR Part 72	Title IV—Acid Rain Program	Y	
40 CFR Part 75	Code of Federal Regulations, Continuous Emissions Monitoring	Y	
BAAQMD Condition #16329	Permit Conditions		

IV. Source-Specific Applicable Requirements

Table IV-B (continued)
~~S-3, Electric Generation Boiler No. 3~~
~~S-4, Electric Generation Boiler No. 4~~
~~S-5, Electric Generation Boiler No. 5~~
~~S-6, Electric Generation Boiler No. 6~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 1	Applicability of "electric power generating system" and "systemwide NOx emission rate" (Basis: CEQA)	N	
Condition 2	Limitation on Non-gaseous Fuel Firing (Basis: CEQA)	N	
Condition 3	Systemwide NOx Emission Rate Limit of 0.188 lb/MMBTU (Basis: CEQA)	N	
Condition 3	Systemwide NOx Emission Rate Limit of 0.160 lb/MMBTU (Basis: CEQA)	N	
Condition 3	Systemwide NOx Emission Rate Limit of 0.115 lb/MMBTU (Basis: CEQA)	N	
Condition 3	Systemwide NOx Emission Rate Limit of 0.105 lb/MMBTU (Basis: CEQA)	N	1/1/2000
Condition 3	Systemwide NOx Emission Rate Limit of 0.057 lb/MMBTU (Basis: CEQA)	N	1/1/2002
Condition 3	Systemwide NOx Emission Rate Limit of 0.037 lb/MMBTU (Basis: CEQA)	N	1/1/2004
Condition 3	Systemwide NOx Emission Rate Limit of 0.018 lb/MMBTU (Basis: CEQA)	N	1/1/2005
Condition 4	Limited Capacity Factor Exemption (Basis: CEQA)	N	
Condition 5	NOx Emission Limits for Boilers that Qualify for the Limited Capacity Factor Exemption (Basis: CEQA)	N	
Condition 6	Boilers in Startup or Shutdown, Taken out of Service, on Force Majeure Natural Gas Curtailment, and Oil Testing (Basis: CEQA)	N	
Condition 7	CO Emission Limits (Basis: CEQA)	N	
Condition 8	Ammonia Emission Limits (Basis: CEQA)	N	
Condition 9	Startup Provision (Basis: CEQA)	N	
Condition 10	Shutdown Provision (Basis: CEQA)	N	
Condition 11	Continuous Emission Monitoring Systems (CEMS) Requirements (Basis: CEQA)	N	
Condition 12	Fuel Meter Requirements (Basis: CEQA)	N	
Condition 13	Ammonia Emission Limit (Basis: CEQA)	N	
Condition 14	Recordkeeping Requirements (Basis: CEQA)	N	

IV. Source-Specific Applicable Requirements

Table IV-C
S7, Electric Generation Boiler No. 7

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/0111/3/93)		
1-520	Continuous Emission Monitoring	Y	
1-520.1	Steam Generators Rated 250 MMBTU or More Per Hour	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
1-522.1	Plans and Specifications	Y	
1-522.2	Installation Scheduling	Y	
1-522.3	Performance Testing	Y	
1-522.4	Periods of Inoperation Greater Than 24 Hours	Y	
1-522.5	Calibration	Y	
1-522.6	Accuracy	Y	
1-522.7	Excesses	Y N	
1-522.8	Monthly Reports	Y	
1-522.9	Records	Y	
1-522.10	Monitors Required by Sections 1-521 or 2-1-403	Y	
SIP Regulation 1	General Provisions and Definitions (6/28/99)		
<u>1-522</u>	<u>Continuous Emission Monitoring and Recordkeeping Procedures</u>	<u>Y</u>	
<u>1-522.7</u>	<u>Monitor excesses</u>	<u>Y</u>	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	
6-401	Appearance of Emissions	Y	
6-501	Sampling Facilities and Instruments Required	Y	
6-502	Data, Records and Reporting	Y	

IV. Source-Specific Applicable Requirements

Table IV-C
S7, Electric Generation Boiler No. 7

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Limitation	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 11	Inorganic Gaseous Pollutants, Nitrogen Oxides and Carbon Monoxide From Utility Electric Power Generating Boilers (11/15/95/17/00)		
9-11-111	Exemption, Startup or Shutdown	Y	
9-11-112	Exemption, Oil Testing	Y	
9-11-303	NOx Emission Limits for Boilers with a Rated Heat Input Capacity Less Than 1.75 billion BTU/hour and Greater Than or Equal to 1.5 billion BTU/hour	N	
9-11-304	Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Less Than 1.75 Billion BTU/hour and Greater Than or Equal to 1.5 billion BTU/hour	Y	
9-11-304.1	NOX limits	Y	
9-11-304.2	Limitation on Non-Gaseous Fuel Firing	Y	
9-11-308	System-wide NOx Emission Rate Limit	Y	
9-11-309	Advanced Technology Alternative Emission Control Plan	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.160 lb/MMBTU	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.115 lb/MMBTU	N	1/1/99
9-11-309.1	System-wide NOx Emission Rate Limits: 0.105 lb/MMBTU	N	1/1/00
9-11-309.1	System-wide NOx Emission Rate Limits: 0.057 lb/MMBTU	N	1/1/02
9-11-309.1	System-wide NOx Emission Rate Limits: 0.037 lb/MMBTU	N	1/1/04
9-11-309.1	System-wide NOx Emission Rate Limits: 0.018 lb/MMBTU	N	1/1/05 6
9-11-309.2	Boilers in Startup or Shutdown; Boilers Taken Out of Service; Boilers on Force Majeure Natural Gas Curtailment; and Oil Testing	N	
9-11-309.3	Election of Systemwide NOx Emission Rate Limits	Y	
9-11-309.4	Eligible Boilers	Y	
9-11-310	CO Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	Y	

IV. Source-Specific Applicable Requirements

Table IV-C
S7, Electric Generation Boiler No. 7

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-11-311	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	Y	Upon installment of an applicable control device
9-11-401	Compliance Schedule - Emissions Limits	Y	
9-11-402	Initial and Annual Demonstration of Compliance	Y	
9-11-501	Fuels Monitoring	Y	
9-11-502	Modified Maximum Heat Input Capacity	Y	Upon physical modification affecting max. heat input
9-11-503	Emissions Monitoring	Y	
9-11-504	Records	Y	
9-11-505	Reporting Requirements	Y	
<u>SIP Regulation 9, Rule 11</u>	<u>Inorganic Gaseous Pollutants, Nitrogen Oxides and Carbon Monoxide From Utility Electric Power Generating Boilers (5/20/02)</u>		
<u>9-11-304</u>	<u>Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Less Than 1.75 Billion BTU/hour and Greater Than or Equal to 1.5 billion BTU/hour</u>	<u>Y</u>	
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants, Lead (3/17/82)		
11-1-301	Daily Limitation	Y	
11-1-302	Ground level Concentration Limit Without Background	Y	
BAAQMD Manual of Procedures, Volume V	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
40 CFR Part 72	Title IV – Acid Rain Program	Y	
40 CFR Part 75	Code of Federal Regulations, Continuous Emissions Monitoring	Y	

IV. Source-Specific Applicable Requirements

Table IV-C
S7, Electric Generation Boiler No. 7

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #16329	Permit Conditions		
<u>Part 1</u>	<u>Natural Gas Firing (2-1-301)</u>	<u>Y</u>	
<u>BAAQMD Condition #21220</u>	<u>Permit Conditions</u>		
<u>Part 1</u>	<u>Requirement for CEMs (1-520.1)</u>	<u>Y</u>	
<u>Part 2</u>	<u>Limit on use of IERCs (Settlement Agreement regarding the Banking and Usage of IERCs in an Effort to Expedite Closure of Hunters Point Power Plant)</u>	<u>N</u>	
<u>Part 3</u>	<u>IERC calculations (2-9-502)</u>	<u>N</u>	
<u>Part 4</u>	<u>IERC records (2-9-502)</u>	<u>N</u>	
<u>Part 5</u>	<u>IERC reports (2-9-502)</u>	<u>N</u>	
<u>Part 6</u>	<u>Annual reconciliation reports (2-9-502)</u>	<u>N</u>	
<u>Condition 1</u>	<u>Applicability of “electric power generating system” and “systemwide NOx emission rate” (Basis: CEQA)</u>	<u>N</u>	
<u>Condition 2</u>	<u>Limitation on Non-gaseous Fuel Firing (Basis: CEQA)</u>	<u>N</u>	
<u>Condition 3</u>	<u>Systemwide NOx Emission Rate Limit of 0.188 lb/MMBTU (Basis: CEQA)</u>	<u>N</u>	
<u>Condition 3</u>	<u>Systemwide NOx Emission Rate Limit of 0.160 lb/MMBTU (Basis: CEQA)</u>	<u>N</u>	
<u>Condition 3</u>	<u>Systemwide NOx Emission Rate Limit of 0.115 lb/MMBTU (Basis: CEQA)</u>	<u>N</u>	
<u>Condition 3</u>	<u>Systemwide NOx Emission Rate Limit of 0.105 lb/MMBTU (Basis: CEQA)</u>	<u>N</u>	4/1/2000
<u>Condition 3</u>	<u>Systemwide NOx Emission Rate Limit of 0.057 lb/MMBTU (Basis: CEQA)</u>	<u>N</u>	4/1/2002
<u>Condition 3</u>	<u>Systemwide NOx Emission Rate Limit of 0.037 lb/MMBTU (Basis: CEQA)</u>	<u>N</u>	4/1/2004
<u>Condition 3</u>	<u>Systemwide NOx Emission Rate Limit of 0.018 lb/MMBTU (Basis: CEQA)</u>	<u>N</u>	4/1/2005
<u>Condition 6</u>	<u>Boilers in Startup or Shutdown, Taken out of Service, on Force Majeure Natural Gas Curtailment, and Oil Testing (Basis: CEQA)</u>	<u>N</u>	

IV. Source-Specific Applicable Requirements

Table IV-C
S7, Electric Generation Boiler No. 7

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 7	CO Emission Limits (Basis: CEQA)	N	
Condition 8	Ammonia Emission Limits (Basis: CEQA)	N	
Condition 9	Startup Provision (Basis: CEQA)	N	
Condition 10	Shutdown Provision (Basis: CEQA)	N	
Condition 11	Continuous Emission Monitoring Systems (CEMS) Requirements (Basis: CEQA)	N	
Condition 12	Fuel Meter Requirements (Basis: CEQA)	N	
Condition 13	Ammonia Emission Limit (Basis: CEQA)	N	
Condition 14	Recordkeeping Requirements (Basis: CEQA)	N	

¹This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV-DD
S19, Oil Water Separator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	Organic Compounds, Wastewater (Oil-Water) Separator (6/15/94)		
8-8-112	Exemption, Waste Water Critical Organic Compound Concentration and/or Temperature	Y	
8-8-113	Exemption, Secondary Waste Water Treatment Processes and Stormwater Sewer Systems	Y	
8-8-303	Gauging and Sampling Devices	Y	
8-8-305	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-501	API Separator or Air Flotation Bypassed Waste Water Records	Y	
8-8-502	Waste Water Critical Organic Compound Concentration and/or Temperature Records	Y	
8-8-503	Inspection and Repair Records	Y	

IV. Source-Specific Applicable Requirements

Table IV-E
S29, Cold Solvent degreaser

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 16	Organic Compounds—Solvent Cleaning Operations		
8-16-303	Cold-Cleaner Requirements	Y	
8-16-304	Trichloroethylene Limitation	Y	
8-16-501	Solvent Records	Y	
8-16-501.1	Trichloroethylene	Y	
8-16-501.2	All Other Solvents	Y	

IV. Source-Specific Applicable Requirements

Table IV-~~EF~~
 S30, Maintenance Coating Operation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>BAAQMD Regulation 8, Rule 3</u>	<u>Organic Compounds, Architectural Coatings (11/21/01)</u>		
<u>8-3-301</u>	<u>VOC Content limits</u>	<u>Y</u>	
<u>8-3-303</u>	<u>Sell-Through of Coatings</u>	<u>Y</u>	
<u>8-3-304</u>	<u>Painting Practices</u>	<u>Y</u>	
<u>8-3-305</u>	<u>Prohibition of Excess Thinning</u>	<u>Y</u>	
<u>8-3-306</u>	<u>Rust Preventative Coatings</u>	<u>Y</u>	
<u>8-3-307</u>	<u>Coatings Not Listed in Section 8-3-301</u>	<u>Y</u>	
<u>8-3-309</u>	<u>Limited Allowance, Industrial Maintenance Coatings</u>	<u>Y</u>	
<u>8-3-401</u>	<u>Container Labeling Requirements</u>	<u>Y</u>	
<u>8-3-402</u>	<u>Petition, Limited Allowance for Industrial Maintenance Coatings</u>	<u>Y</u>	
<u>SIP Regulation 8, Rule 3</u>	<u>Organic Compounds, Architectural Coatings (12/20/95)</u>		
<u>8-3-302</u>	<u>Final Limits</u>	<u>N</u>	
<u>8-3-304</u>	<u>Specialty Coating Limitations</u>	<u>N</u>	
<u>8-3-306</u>	<u>Exempt Coating Labeling</u>	<u>N</u>	
<u>8-3-401</u>	<u>Date of Manufacture</u>	<u>N</u>	
<u>8-3-403</u>	<u>Labeling Requirement</u>	<u>N</u>	
BAAQMD Regulation 8, Rule 19	Organic Compounds - Surface Coating of Miscellaneous Metal Parts and Products (10/16/0212/20/95)		
8-19-110	Exemption - Low Usage Coatings	Y	
8-19-112	Exemption - Touch Up	Y	
8-19-113	Exemption - Specific Operations	Y N	
8-19-117	Exemption - Stencil Coating	Y	
<u>8-19-123</u>	<u>Exemption, Solid Film Lubricant</u>	<u>N</u>	
8-19-133	Exemption - Spray Application Equipment	Y	
8-19-136	Limited Exemption - Specialty Coatings	Y	
8-19-302	VOC Limits	Y	
8-19-307	Prohibition of Specification	Y N	
8-19-312	Specialty Coating Limitations	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y N	

IV. Source-Specific Applicable Requirements

**Table IV-EF
 S30, Maintenance Coating Operation**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<u>8-19-321</u>	<u>Surface Preparation Standards</u>	<u>N</u>	
8-19-405	Low Usage Coating Petition	Y	
8-19-407	Specialty Coating Petition	Y	
<u>8-19-408</u>	<u>Emission Reduction Credits</u>	<u>Y</u>	
8-19-501	Records	Y N	
SIP Regulation 8, Rule 19	<u>Organic Compounds - Surface Coating of Miscellaneous Metal Parts and Products (7/23/96)</u>		
<u>8-19-113</u>	<u>Exemption - Specific Operations</u>	<u>Y</u>	
<u>8-19-307</u>	<u>Prohibition of Specification</u>	<u>Y</u>	
<u>8-19-320</u>	<u>Solvent Evaporative Loss Minimization</u>	<u>Y</u>	
<u>8-19-501</u>	<u>Records</u>	<u>Y</u>	
BAAQMD Regulation 8, Rule 31	<u>Surface Preparation and Coating of Plastic Parts and Products</u>		
<u>8-31-111</u>	<u>Exemption, Low Usage Coatings</u>	<u>Y</u>	
<u>8-31-114</u>	<u>Exemption, Touch Up</u>	<u>Y</u>	
<u>8-31-121</u>	<u>Exemption, Stencil Coating</u>	<u>Y</u>	
<u>8-31-122</u>	<u>Exemption, Spray Application Equipment</u>	<u>Y</u>	
<u>8-31-123</u>	<u>Exemption, Small User</u>	<u>Y</u>	
<u>8-31-124</u>	<u>Limited Exemption, Coating Records</u>	<u>Y</u>	
<u>8-31-302</u>	<u>Limit</u>	<u>Y</u>	
<u>8-31-306</u>	<u>Flexible Coatings</u>	<u>Y</u>	
<u>8-31-309</u>	<u>Specialty Coating Limitations</u>	<u>Y</u>	
<u>8-31-310</u>	<u>Spray Application Equipment Limitations</u>	<u>Y</u>	
<u>8-31-321</u>	<u>Surface Preparation Standards</u>	<u>Y</u>	
<u>8-31-401</u>	<u>Extreme Coating Petition</u>	<u>Y</u>	
<u>8-31-403</u>	<u>Low Usage Coating Petition</u>	<u>Y</u>	
BAAQMD Condition #8936	Permit Conditions		
<u>ConditionPart 1</u>	Coating Usage Limit (basis: cumulative increase)	Y	
<u>ConditionPart 2</u>	General Solvent Limit (basis: cumulative increase)	Y	

IV. Source-Specific Applicable Requirements

Table IV-~~EF~~
S30, Maintenance Coating Operation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition Part 3	Record Keeping Requirements (basis: BAAQMD Regulation 8-19-501)	Y	

Table IV-~~GF~~
S31, Maintenance Wipe Cleaning

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 16	Organic Compounds, Solvent Cleaning Operations (6/15/9410/16/02)		
BAAQMD 8-16-111	Exemption, Wipe Cleaning	Y N	
BAAQMD 8-16-304	Trichloroethylene Limitation	Y	
BAAQMD 8-16-501	Solvent Records	Y N	
8-16-501.3	Solvent Records	N	
<u>SIP Regulation 8, Rule 16</u>	<u>Organic Compounds - Solvent Cleaning Operations (12/9/94)</u>		
8-16-111	Exemption, Wipe Cleaning	Y	
8-16-304	Trichloroethylene Limitation	Y	
8-16-501	Solvent Records	Y	
8-16-501.1	Trichloroethylene	Y	
8-16-501.2	All Other Solvents	Y	
BAAQMD Condition #8937	Permit Conditions		
Condition Part 1	General Solvent Usage Limit (basis: cumulative increase)	Y	

IV. Source-Specific Applicable Requirements

Table IV-~~GF~~
S31, Maintenance Wipe Cleaning

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition Part 2	Trichloroethane usage Limit Prohibition against use of trichloroethane or trichloroethylene (basis: cumulative increase 2-1-301)	Y	
Condition Part 3	Record Keeping Requirements (basis: BAAQMD Regulation 8-16-501)	Y	

V. SCHEDULE OF COMPLIANCE

The permit holder shall continue to 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.

VI. PERMIT CONDITIONS

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

~~A. Source Specific Permit Conditions~~

Condition #8936

For ~~S30, Maintenance Coating Operation~~

1. Net annual coating usage at this source shall not exceed 1200 gallons in any consecutive ~~12-~~month period. (basis: cumulative increase)
2. Net annual solvent usage at this source shall not exceed 150 gallons in any consecutive ~~12-~~month period. (basis: cumulative increase)
3. The operator shall maintain a log of all materials used in this operation. The log shall contain the following information: (basis: Regulation 8-19-501)
 - a) quantities of each type of coating used with components and mix ratios listed if applicable,
 - b) substrate that each coating is applied to and the District Regulation that applies,
 - c) VOC content of each coating,
 - d) if a cleaning solvent is used log type and amount.

These records shall be kept on a daily basis on a District-approved log. These records shall be summarized on a monthly basis.

All records shall be retained for a period of five (5) years from the date of entry, and be made available to District Staff on request.

VI. Permit conditions

Condition #8937

For: S31, ~~Wipe Cleaning Operation~~

1. Net annual solvent usage at this source shall not exceed 100 gallons in any consecutive 12-month period. (basis: cumulative increase)

~~*2.* Net annual 1,1,1-Trichloroethane usage at this source shall not exceed 20 gallons in any consecutive 12-month period. The operator shall not use trichloroethane or trichloroethylene at this source. (basis: cumulative increase 2-1-301)~~

3. The operator shall maintain a log of all materials used in this operation. The log shall contain the following information: (basis: Regulation 8-16-501)
 - a. Quantities of each type of solvent used at this source
 - b. Quantities of each type of solvent recovered for disposal or recycling
 - c. Net usage of each type of solvent

These records shall be kept on a monthly basis on a District-approved log. These records shall be summarized on a quarterly basis.

All records shall be retained for a period of five (5) years from the date of entry, and be made available to District Staff on request.

Condition #15815

For: S1 and S2, ~~Gas Turbines~~

Permit Conditions for Hunters Point, A0024

1. For each emission point at S1 and S2 Gas Turbine, the owner/operator shall follow either a) or b), as appropriate, upon receipt of public complaint, upon obvious emissions, but no less than once each day when operated. The daily inspection shall be conducted while the equipment is operating and during daylight hours. (basis: District Regulations 6-301, ~~6-302~~, 2-6-5031)
 - a). If three (3) or fewer exceedances have been recorded at any emission point within the last six (6) months, conduct an inspection for visible emissions from that emission point. If any visible emissions, excluding condensed water vapor, are detected during an inspection and the emissions are observed continuously or intermittently for three (3) minutes, the owner/operator shall either:

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For: S1 and S2, ~~{Gas Turbines}~~

- ~~(i)~~ Take corrective actions that eliminate the visible emissions and report the visible emission as a potential exceedance. If all visible emissions are not eliminated through corrective actions as soon as possible but no later than within 24 hours, the procedure in paragraph (ii) below shall be followed; or
 - ~~(ii)~~ 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" for six (6) minutes within three (3) days and record the results of the reading. The certified smoke-reader shall continue to conduct the Method 9 or CARB Visible Emission Evaluation on a daily basis until the daily reading shows compliance with the applicable limit or until the equipment is shut down.
- b. If more than three (3) exceedances have been recorded at any emission point within the last six (6) months, a CARB-certified smoke reader shall conduct either an EPA Method 9 or the procedures outlined in the CARB manual, "Visible Emissions Evaluation" for six (6) minutes at that emission point.
2. For each unit covered by ~~permit condition no. part~~ 1 above, the owner/operator shall record and maintain the following records: (basis: District Regulation 2-6-501)
- ~~a)~~ each day monitoring under 1~~(a)~~ or 1~~(b)~~ is required:
 - ~~i)~~ date and time of inspection, and name of inspector
 - ~~ii)~~ stack or emission point identification
 - ~~b)~~ each day for each emission point where corrective action is required under 1(a)(i):
 - ~~i)~~ nature of visible emissions
 - ~~ii)~~ description of corrective actions taken to abate visible emissions
 - ~~iii)~~ date and time visible emission was abated
 - ~~c)~~ each day for each emission point where EPA Method 9 or CARB visible emission evaluation is required under (1)(b) or (1)(a)(ii):
 - ~~i)~~ visible emission observation record by a certified smoke reader
 - ~~ii)~~ name of person performing the inspection, measurement, or monitoring

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For: S1 and S2, ~~[Gas Turbines]~~

The records shall be retained for five (5) years and shall be made available to District personnel upon request.

(basis: 2-6-501)

3. S1 and S2 Turbines shall be abated at all times of operation by a properly operated and properly maintained water injection system. The weight ratio of water to fuel shall not be less than 0.55 during normal operation. The owner/operator shall measure and record the water-to-fuel ratio during operation on at least a daily basis. (basis: District Regulations 9-9-302, 2-6-503)
4. S1 and S2 Turbines shall be fired exclusively on No. 2 distillate oil or lighter fuel oil with a sulfur content less than 0.5% sulfur by weight. All shipments of fuel oil to the facility shall have either a vendor certification or a laboratory analysis of a composite sample of the sulfur content of the fuel. (basis: District Regulation 2-6-503, 9-1-304)
5. S1 and S2 Turbines shall be operated less than 877 hours each in any calendar year unless the emissions requirements of District Regulation 9-9-301 are met. (basis: District Regulations ~~6-310, 9-9-301~~, 302)
6. In order to demonstrate compliance with ~~the above permit conditions numbers parts 3, 4, and 5,~~ the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five (5) years from the date on which a record is made. (basis: District Regulation 2-6-501)
 - a. The water to fuel weight ratio for each turbine on a daily basis when operating.
 - b. The type of fuel and sulfur content of the fuel fired.
 - c. The total number of hours of operation for each calendar year, totaled on a monthly basis.

~~Condition #16329~~

~~For S 3, S 4, S 5, S 6, S 7 [Boilers]~~

~~[Basis for Condition Nos. 1 through 14: Originally derived from District Regulation 9, Rule 11, and subsequently extended under authority of CEQA Mitigation Measure 4.5-5, Final EIR, as certified by the CEQA Lead Agency, CPUC Commissioners Decision 98-11-064, Nov. 19, 1998.]~~

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~~[Any ambiguities in these conditions should generally be interpreted in a manner consistent with Regulation 9, Rule 11 unless the context indicates otherwise. These conditions shall be rescinded by the District upon amendment of Regulation 9, Rule 11 to expressly apply to all owners and operators of electric power generating steam boilers with a rated heat input capacity of 250 million BTU/hour or greater.]~~

~~Any condition that is preceded by an asterisk (*) is not federally enforceable.~~

~~1.*—For the purposes of this permit, the term “electric power generating system” shall refer to the combined total of all steam boilers, each with a rated heat input capacity greater than or equal to 250 million BTU/hour, used for electric power generation in the District, that are owned and/or operated by person or persons under common ownership or contractual obligation. The term “systemwide NO_x emission rate” shall refer to the ratio of the total mass of discharge of nitrogen oxides in pounds from all such affected steam boilers of the electric power generating system of which they are a part, to the sum of the actual heat input to those boilers in million BTU, calculated on a clock-hour basis. Condition Nos. 1 through 14 shall continue to apply regardless of any change in ownership or composition of the electric power generating system or other occurrence that removes or may remove the owner or operator of the affected boilers from the jurisdiction of the CPUC. [Basis: CEQA]~~

~~2.*—Boilers S-3, S-4, S-5, S-6, and S-7 shall burn only natural gas unless the gaseous fuel is not available because of a force majeure natural gas curtailment.~~

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~~Condition #16329~~

~~For S-3, S-4, S-5, S-6, S-7 [Boilers]~~

~~For the purposes of this permit, force majeure natural gas curtailment is defined as an interruption in natural gas service, such that the daily fuel needs of a boiler cannot be met with natural gas available, due to one of the following reasons:~~

- ~~a. An unforeseeable failure or malfunction, not resulting from an intentional act or omission that the California Public Utilities Commission (CPUC) or the Independent System Operator (ISO) finds to be due to an act of gross negligence on the part of the owner or operator of the boiler; or~~
 - ~~b. A natural disaster; or~~
 - ~~c. The natural gas is curtailed pursuant to CPUC rules or orders; or~~
 - ~~d. The serving natural gas utility provides notice to the District that, with forecasted natural gas supplies and demands, natural gas service is expected to be curtailed pursuant to CPUC or ISO rules or orders.~~
- ~~[Basis: CEQA]~~

~~3.* Boilers S-3, S-4, S-5, S-6, S-7, and all other electric generating steam boilers in the electric power generating system of which they are a part, are subject to the following systemwide nitrogen oxides (NOx) emission rate limits, expressed as pounds of NOx per million BTU of heat input, calculated on a clock-hour basis, excluding boilers on force majeure natural gas curtailment. These limits become effective on January 1 of the year specified:~~

1997:	0.188	lb/MMBTU	
1998:	0.160	lb/MMBTU	
1999:	0.115	lb/MMBTU	
2000:	0.105	lb/MMBTU	
2002:	0.057	lb/MMBTU	
2004:	0.037	lb/MMBTU	
2005:	0.018	lb/MMBTU	[Basis: CEQA]

~~4.* The systemwide NOx emission rate limits specified in Condition No. 3 shall not apply to any affected boiler with a rated heat input capacity less than 1.5 billion BTU/hour that operates with a capacity factor of less than two (2) percent between May 1 and October 31 in any one year, and below four (4) percent in any calendar year, or if the boiler is required to operate in excess of~~

~~Condition #16329~~

~~For S-3, S-4, S-5, S-6, S-7 [Boilers]~~

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~~these capacity factor limits due to an electric system emergency as defined below. For boilers that have refractory lined furnace hoppers, as defined in Section 217 of Regulation 9, Rule 11, the capacity factor limits shall apply to the aggregate average of the heat input weighted capacity factors of these boilers. Boilers qualifying for this limited exemption shall not be included in the systemwide NOx emission rate calculation for the purpose of determining compliance with Condition No. 3.~~

~~For the purposes of this permit, an electric system emergency is defined as that period when an electric power generating system is required to request or provide emergency electrical support, as defined in Item 6 of the Coordinated Bulk Power Supply Program, Western Systems Coordinating Council (April 1, 1992). This definition is limited to those situations in which the specified procedures for requesting emergency relief have been followed, including a determination by the Independent System Operator (ISO) that normal arrangements for capacity and energy are not sufficient to avoid brownouts or blackouts. [Basis: CEQA]~~

~~5.* Boilers that qualify for the limited exemption of Condition No. 4 shall meet the following conditions and emission limits:~~

- ~~a. Gaseous Fuel: For gaseous fuel firing, NOx emissions shall not exceed 175 ppmv, dry at 3 percent oxygen, based on a clock hour average.;~~
 - ~~b. Non Gaseous Fuel: For non gaseous fuel firing, NOx emissions shall not exceed 500 ppmv, dry at 3 percent oxygen, clock hour average;~~
 - ~~c. Gaseous and Non Gaseous Fuel: For simultaneous gaseous and non-gaseous fuel firing, the heat input weighted average of the emission limits specified in subsections 5a and 5b shall not be exceeded; and~~
 - ~~d. Limitation on Non Gaseous Fuel Firing: A person shall not fire an electric power generating steam boiler with a non gaseous fuel unless gaseous fuel is not available because of a force majeure natural gas curtailment as defined in Condition No. 2 and there exists an electric system emergency as defined in Condition No. 4.~~
- ~~[Basis: CEQA]~~

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Condition #16329

~~For S-3, S-4, S-5, S-6, S-7 [Boilers]~~

~~6.*—When an affected boiler is in startup or shutdown; taken out of service for repairs, maintenance, and/or inspection; on force majeure natural gas curtailment; or being fired for oil burn readiness testing, CPUC or ISO required performance testing, or oil burn emission testing required by the APCO; or if NO_x or heat input information is unavailable due to equipment breakdown, scheduled maintenance or calibration; the boiler's contribution for the purpose of determining compliance with the applicable systemwide NO_x emission rate in Condition No. 3 shall be taken as the average NO_x emissions at the average heat input of that unit over the previous thirty (30) operating days on natural gas, subject to the limitations specified in subsection 309.2 of Regulation 9, Rule 11. [Basis: CEQA]~~

~~7.*—Emissions of CO from each of the Boilers S-3, S-4, S-5, S-6, and S-7, except during startup or shutdown periods, shall not exceed the following limits:~~

~~——400 ppmv, dry at 3 percent oxygen, during steady state compliance source tests, using District Source Test Method 6.~~

~~——1000 ppmv, dry at 3 percent oxygen, during all other periods of operation (CEMS compliance monitoring), based on a clock hour average. ——
[Basis: CEQA]~~

~~8.*—Emissions of ammonia from each of the Boilers S-3, S-4, S-5, S-6, and S-7, except during startup or shutdown periods, shall not exceed 10 ppmv, dry at 3 percent oxygen, based on a rolling 60-minute average. [Basis: CEQA]~~

~~9.*—For the purposes of compliance with the emission limits in Condition Nos. 3, 5, 6, 7, and 8, the duration of each startup period for each boiler shall not exceed twelve (12) hours unless catalytic reaction temperature has not been reached, if applicable.~~

~~——Startup is that period of time during which a boiler is brought up to its normal operating temperature and pressure from an inactive status, initially at zero fuel flow, by following a prescribed series of separate steps or operations. ——
[Basis: CEQA]~~

Condition #16329

~~For S-3, S-4, S-5, S-6, S-7 [Boilers]~~

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~~10.* For the purposes of compliance with the emission limits in Condition Nos. 3, 5, 6, 7, and 8, the duration of each shutdown period for each boiler shall not exceed eight (8) hours.~~

~~Shutdown is that period of time during which a boiler is taken out of service from a normal operating mode to an inactive status of no fires by following a prescribed series of separate steps or operations. [Basis: CEQA]~~

~~11.* To demonstrate compliance with the NO_x and CO emission limits in Condition Nos. 3, 5, and 7, the owner and/or operator of Boilers S-3, S-4, S-5, S-6, and S-7 shall install, maintain, and operate District approved, in-stack, continuous emission monitoring systems (CEMS) for NO_x, CO, and O₂ or CO₂ (in lieu of O₂) for each of the affected boilers. [Basis: CEQA]~~

~~12.* To demonstrate compliance with the systemwide NO_x emission limits in Condition No. 3, the owner and/or operator of S-3, S-4, S-5, S-6, and S-7 shall install, maintain, and operate a District approved, non-resettable, totalizing and continuous recording fuel meter in each fuel line of each boiler. [Basis: CEQA]~~

~~13.* To demonstrate compliance with the ammonia emission limit in Condition No 8, the owner and/or operator of Boilers S-3, S-4, S-5, S-6, and S-7 shall conduct District approved source tests at least once quarterly for each affected boiler that operated during the calendar quarter and is equipped with an ammonia-based NO_x emission control device. [Basis: CEQA]~~

~~14.* In order to demonstrate compliance with all of the above conditions, the owner and/or operator of Boilers S-3, S-4, S-5, S-6, and S-7 shall maintain all necessary fuels, emissions, and operational data records in a District approved log kept on site and made available for District staff inspection upon request. The records shall be kept for a period of at least five years from the date a record is made. These records shall include, but are not limited to:~~

~~a. Type of fuel burned and its sulfur content; and quantity of fuel burned (BTU/hr), and the injection rate for any reactant chemicals used by the emission control system(s).~~

~~Condition #16329~~

~~For S-3, S-4, S-5, S-6, S-7 [Boilers]~~

~~b. Continuous emission monitoring measurements for NO_x, CO, and O₂ or CO₂.~~

~~c. Source test measurements for NO_x, CO, O₂, CO₂, and ammonia.~~

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- ~~d. Date, time, and duration of any startup, shutdown, or malfunction of any boiler, emission control equipment, or emission monitoring equipment.~~
- ~~e. Results of performance testing, evaluations, calibrations, checks, adjustments, and maintenance of any CEMS.~~
- ~~f. Hourly systemwide NO_x emission rate, as prescribed in Condition Nos. 1, 3, and 4.~~
- ~~g. The capacity factors of any boiler affected by the limited exemption of Condition Nos. 4 and 5. [Basis: CEQA]~~

Condition 16329

For: S7, Boiler

1. S7, Boiler, shall be fired exclusively on PUC quality natural gas. (basis: District Regulation 2-1-301)

Condition 21220

For: S7, Boiler

1. The owner/operator shall operate a continuous emission monitoring system (CEMS) to measure the NO_x and O₂CO₂ concentrations from boiler number 7 at Hunters Point Power Plant. (basis: BAAQMD 1-520.1)
- *2. The owner/operator shall not use Interchangeable Emission Reduction Credits (IERCs) for Hunters Point Power Plant exceeding 100 tons of NO_x (as NO₂) for the year of 2004. (basis: Settlement Agreement regarding the Banking and Usage of IERCs in an Effort to Expedite Closure of Hunters Point Power Plant)
- *3. The owner/operator shall determine the amount of IERCs necessary for compliance with Regulation 9, Rule 11. To show compliance with Rule 9-11, the owner/operator shall keep a spreadsheet in a District approved format. The spreadsheet must include a running balance of both IERCs consumed and IERCs remaining for each month, actual hourly heat input in million BTU, actual NO_x (as NO₂) emissions rates per hour, and allowable NO_x (as NO₂) emissions rates based on Regulation 9-11 limits of 0.037 lb/MMBTU for 2004. (Table 1 of the Engineering Evaluation Report AN 6811 in an example of a District approved daily summary spreadsheet format) (basis: 2-9-303)

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Condition 21220

For: S7, Boiler

- *4. The owner/operator shall maintain the records of continuous emission monitoring (NO_x and CO₂) and fuel usage records for boiler number 7 for a period of at least five (5) years. Such records must be retained for a minimum of 5 years from date of entry and made available to the APCO upon request. These records must include, but are not limited to:
- i. The continuous emission monitoring measurements for NO_x in ppmvd/lb/MMbtu, and pound per hour, and CO₂ in percent.
 - ii. The type, quantity (Btu/hr), and higher heating value of fuel burned on an hourly basis.
 - iii. The results of any performance testing, calibrations checks, zero adjustments, and maintenance of any continuous emission monitors.
 - iv. The date, time, and duration of any start-up, shutdown, or malfunction in the operation of the unit, emission control equipment, or emission monitoring equipment
(basis: 2-9-502)
- *5. The owner/operator shall submit quarterly reports to the APCO, within 30 days following the end of each calendar quarter or other 3-month interval established in the plan. Each quarterly report must include:
- i. Summary of the amount of IERCs used during the preceding quarter;
 - ii. A running total of all IERCs used during the current ACP period;
 - iii. A projection of the amount of IERCs that are needed for the entire ACP period, based on the IERC usage rates calculated in Section 502.3.1 and 502.3.2; and
 - iv. Certification that the facility possesses IERCs equal to the amount projected in Section 502.3.3 or a description of how the facility will adjust its operation so that the amount of IERCs does not exceed the amount of IERCs possessed by the facility.
(basis: 2-9-502)
- *6. The owner/operator shall submit an annual reconciliation report to the APCO within 30 days of the end each 12-month ACP period, and surrender the banking certificate(s) for all IERCs used during that ACP period plus the applicable environmental benefit surcharge. (basis: 2-9-502)

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 column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, either using the following codes: annual (A), quarterly (Q), monthly (M), 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.

Table VII-A
S1 Gas Turbine Unit No. 1-Engine "A"
S2 Gas Turbine Unit No. 1-Engine "B"

<u>Type of Limit</u> <u>Pollutant</u>	<u>Emission Limit</u> <u>Citation of Limit</u>	FE Y/N	Future Effective Date	Emission -Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
<u>TSP</u> <u>Opacity</u>	BAAQMD 6-301	Y		Ringelmann No. 1 <u>for</u> <u>no more than 3 min/hr</u>	BAAQMD permit condition 15815, Parts 1, 2	P/D Daily when in use	Visual inspection and record keeping
<u>FP</u>	BAAQMD 6-310, 3	Y		0.15 grains/dscf @ 6% O₂		N	
NO _x	BAAQMD 9-9-302 & BAAQMD permit condition 15815 part 5	Y		65 ppmv @ 15% O ₂ (dry basis) based on a clock-hour average & operation less than 877 hours per calendar year	BAAQMD 9-9-502 & BAAQMD permit condition 15815, parts 3 and 6	P/D Daily when in use	<u>Water-to-</u> <u>fuel</u> <u>monitoring,</u> <u>Record-</u> <u>keeping</u>
<u>Hours of operation</u>	BAAQMD 9-9-302 & BAAQMD condition 15815, part 5	Y		operation less than 877 hours per calendar year	BAAQMD condition 15815, part 6	P/D Daily when in use	<u>Record-</u> <u>keeping</u>

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-A
S1 Gas Turbine Unit No. 1-Engine "A"
S2 Gas Turbine Unit No. 1-Engine "B"

<u>Type of Limit</u> <u>Pollutant</u>	<u>Emission Limit</u> <u>Citation of Limit</u>	FE Y/N	Future Effective Date	<u>Emission-Limit</u>	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO ₂	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 minutes or 0.25 ppm for 60 minutes or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		300 ppmvd		N	
<u>SO₂</u>	BAAQMD 9-1-304	Y		Sulfur content of non-gaseous fuel <0.5% by weight	BAAQMD <u>condition</u> #15815, parts <u>4</u> <u>and 67</u>	P/E	fuel <u>analysis</u> <u>certification</u>
<u>Lead</u>	<u>BAAQMD</u> <u>11-1-301</u>	<u>Y</u>		<u>6.75 kg/day</u>		<u>N</u>	
	<u>BAAQMD</u> <u>11-1-302</u>	<u>Y</u>		<u>1.0 µg/m³</u> <u>averaged over 24</u> <u>hours</u>		<u>N</u>	
Water injection rate	<u>BAAQMD</u> <u>condition</u> <u>15815,</u> <u>part 3</u> <u>Record-</u> <u>keeping</u>	Y		Weight ratio of water to fuel not less than 0.55	BAAQMD condition 15815, part <u>36</u>	P/D Daily when in use	Record- keeping
Fuel oil restriction	BAAQMD <u>permit</u> condition 15816, part 4	Y		Use of No. 2 or lighter oil.	BAAQMD <u>permit</u> condition 15815, part 6	P/D Daily when in use	Record- keeping

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-B
~~S-3, Electric Generation Boiler No. 3~~
~~S-4, Electric Generation Boiler No. 4~~
~~S-5, Electric Generation Boiler No. 5~~
~~S-6, Electric Generation Boiler No. 6~~

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD 6-301	Y		Ringelmann No. 1		C	COM
	BAAQMD 6-302	Y		<20% opacity during any 3 min/hr	BAAQMD 1-520.1	C	COM
	BAAQMD 6-304	Y		Ringelmann No. 2 during tube cleaning		C	COM
	BAAQMD 6-310.3	Y		0.15 grains/dscf @ 6% O ₂		N	
	40-CFR-75	Y		None	40-CFR-75	C	COM
SO ₂	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 minutes or 0.25 ppm for 60 minutes or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		300 ppmvd		N	
	BAAQMD 9-1-304	Y		Sulfur content of non-gaseous fuel <0.5% by weight		N	
NO _x	40-CFR-75	Y		None	40-CFR-75	P/D (fuel-oil only)	fuel-analysis
	BAAQMD 9-11-306.1.1	Y		175 ppmv @ 3% O ₂ (dry basis) for natural gas firing based on a clock-hour average	BAAQMD 9-11-501, 503	C	CEMS
NO _x	BAAQMD 9-11-306.1.2	Y		500 ppmv @ 3% O ₂ (dry basis) for oil firing based on a clock-hour average	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-B
~~S-3, Electric Generation Boiler No. 3~~
~~S-4, Electric Generation Boiler No. 4~~
~~S-5, Electric Generation Boiler No. 5~~
~~S-6, Electric Generation Boiler No. 6~~

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 9-11-306.1.3	Y		heat input weighted average of emission limits when natural gas and oil fired simultaneously	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-308	Y		0.28 lbs/MMBTU system wide average over previous 30 days	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N		0.160 lbs/MMBTU system wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/99	0.115 lbs/MMBTU system wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/00	0.105 lbs/MMBTU system wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
NO _x	BAAQMD 9-11-309.1	N	1/1/02	0.057 lbs/MMBTU system wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/04	0.037 lbs/MMBTU system wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/05	0.018 lbs/MMBTU system wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
NO _x	40-CFR-75	Y		None	40-CFR-75	C	CEMS
	BAAQMD Permit Condition 16329, #3	N		0.188 lbs/MMBTU system wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-B
~~S-3, Electric Generation Boiler No. 3~~
~~S-4, Electric Generation Boiler No. 4~~
~~S-5, Electric Generation Boiler No. 5~~
~~S-6, Electric Generation Boiler No. 6~~

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Permit Condition 16329, #3	N		0.160 lbs/MMBTU system-wide average on a clock-hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16329, #3	N		0.115 lbs/MMBTU system-wide average on a clock-hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16329, #3	N	1/1/00	0.105 lbs/MMBTU system-wide average on a clock-hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16329, #3	N	1/1/02	0.057 lbs/MMBTU system-wide average on a clock-hour basis	BAAQMD 9-11-501, 503	C	CEMS
NO _x	BAAQMD Permit Condition 16329, #3	N	1/1/04	0.037 lbs/MMBTU system-wide average on a clock-hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16329, #3	N	1/1/05	0.018 lbs/MMBTU system-wide average on a clock-hour basis	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-B
~~S-3, Electric Generation Boiler No. 3~~
~~S-4, Electric Generation Boiler No. 4~~
~~S-5, Electric Generation Boiler No. 5~~
~~S-6, Electric Generation Boiler No. 6~~

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQMD Permit Condition 16329, #5	N		Gaseous Fuel: 175 ppmv @ 3% O ₂ (dry basis), clock-hour average. Non-Gaseous Fuel: 500 ppmv @ 3% O ₂ (dry basis), clock-hour average. Simultaneous Gaseous and Non-Gaseous: heat input weighted average of above emission limits.	BAAQMD 9-11-306	C	CEMS
CO	BAAQMD 9-11-310.1	Y		400 ppmv @ 3% O ₂ (dry basis) during steady-state compliance tests	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-310.2	Y		1000 ppmv @ 3% O ₂ (dry basis) during normal operation based on a clock-hour average	BAAQMD 9-11-501, 503	C	CEMS
CO	BAAQMD Permit Condition 16329, #7a	N		400 ppmv @ 3% O ₂ (dry basis) during steady-state compliance tests	BAAQMD 9-11-501, 503	C	CEMS
CO	BAAQMD Permit Condition 16329, #7b	N		1000 ppmv @ 3% O ₂ (dry basis) during all operations other than steady-state compliance tests on a clock-hour average	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-B
~~S-3, Electric Generation Boiler No. 3~~
~~S-4, Electric Generation Boiler No. 4~~
~~S-5, Electric Generation Boiler No. 5~~
~~S-6, Electric Generation Boiler No. 6~~

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Ammonia	BAAQMD 9-11-311	Y	upon installation of an applicable control device	10 ppmv @ 3% O ₂ (dry-basis) based on rolling 60-minute average upon installation of an applicable control device	BAAQMD 9-11-402	P/Q	Quarterly tests
	BAAQMD Permit Condition 16329, #8	N	upon installation of an applicable control device	10 ppmv @ 3% O ₂ (dry-basis) based on rolling 60-minute average upon installation of an applicable control device	BAAQMD 9-11-402	P/Q	Quarterly tests
Lead	BAAQMD 11-1-301	Y		6.75 kg/day		N	N/A
	BAAQMD 11-1-302	Y		1.0 □g/m ³ averaged over 24		N	N/A
CO ₂	40-CFR-75	Y		None	40-CFR-75	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~CB~~
S7, Utility Boiler No. 7

<u>Type of Limit Pollutant</u>	<u>Emission Limit Citation of Limit</u>	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
<u>TSP Opacity</u>	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 min/hr		EN	COM
	BAAQMD 6-302	Y		<20% opacity during any 3 min/hr	BAAQMD 1-520.1	C	COM
	BAAQMD 6-304	Y		Ringelmann 2 or more than 40% opacity during tube cleaning for no more than 3 min/hr		EN	COM
<u>Opacity</u>	40 CFR 75	Y		None	40 CFR 75.14(c)	EN	COM
<u>FP</u>	BAAQMD 6-310.3	Y		0.15 grains/dscf @ 6% O ₂		N	
SO ₂	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 minutes or 0.25 ppm for 60 minutes or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		300 ppmvd		N	
	BAAQMD 9-1-304	Y		Sulfur content of non-gaseous fuel <0.5% by weight		N	
	40 CFR 75	Y		None	40 CFR 75	P/Q/D (fuel oil only)	fuel analysis calculations
NO _x	BAAQMD SIP 9-11-304.1.1	Y		175 ppmv @ 3% O ₂ (dry basis) for natural gas firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~CB~~
S7, Utility Boiler No. 7

<u>Type of Limit Pollutant</u>	<u>Emission Limit Citation of Limit</u>	FE Y/N	Future Effective Date	<u>Emission-Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
	BAAQMD 9-11-304.1.2	Y		700 ppmv @ 3% O₂ (dry basis) for oil firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
NOX	BAAQMD 9-11-304.1.3	Y		heat input weighted average of emissions when natural gas and oil fired simultaneously	BAAQMD 9-11-501, 503	C	CEMS
<u>NOX</u>	BAAQMD 9-11-308	Y		0.28 lbs/MMBTU system-wide average over previous 30 days	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N		0.160 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/99	0.115 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/00	0.105 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
NOx	BAAQMD 9-11-309.1	N	1/1/02	0.057 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/04	0.037 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/05	0.018 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	40 CFR 75	Y		None	40 CFR 75	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~CB~~
S7, Utility Boiler No. 7

<u>Type of Limit Pollutant</u>	<u>Emission Limit Citation of Limit</u>	FE Y/N	Future Effective Date	<u>Emission-Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
	BAAQMD Permit Condition 16329, #3	N		0.188 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
NOX	BAAQMD Permit Condition 16329, #3	N		0.160 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16329, #3	N		0.115 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16329, #3	N	1/1/00	0.105 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16329, #3	N	1/1/02	0.057 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16329, #3	N	1/1/04	0.037 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
NOx	BAAQMD Permit Condition 16329, #3	N	1/1/05	0.018 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
CO	BAAQMD 9-11-310.1	Y		400 ppmv @ 3% O ₂ (dry basis) during steady state compliance tests	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-310.2	Y		1000 ppmv @ 3% O ₂ (dry basis) during normal operation based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~CB~~
S7, Utility Boiler No. 7

Type of Limit Pollutant	Emission Limit Citation of Limit	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Permit Condition 16329, #7a	N		400 ppmv @ 3% O ₂ (dry basis) during steady state compliance tests	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16329, #7b	N		1000 ppmv @ 3% O ₂ (dry basis) during all operations other than steady state compliance tests on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
Ammonia	BAAQMD 9-11-311	Y	upon installation of an applicable control device	10 ppmv @ 3% O ₂ (dry basis) based on rolling 60 minute average upon installation of an applicable control device	BAAQMD 9-11-402	P/Q	Quarterly tests
Ammonia	BAAQMD Permit Condition 16329, #8	N	upon installation of an applicable control device	10 ppmv @ 3% O ₂ (dry basis) based on rolling 60 minute average upon installation of an applicable control device	BAAQMD 9-11-402	P/Q	Quarterly tests
Lead	BAAQMD 11-1-301	Y		6.75 kg/day		N	N/A
	BAAQMD 11-1-302	Y		1.0 µg/m ³ averaged over 24 hours		N	N/A
CO ₂	40 CFR 75	Y		None	40 CFR 75	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-D
S29, Cold Solvent Degreaser

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-16-304	Y		Trichloroethylene usage \leq 3.2 gallons per day	8-16-501	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~CE~~
S30, Maintenance Coating Operation

<u>Type of Limit Pollutant</u>	<u>Emission Limit Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Emission-Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
VOC	BAAQMD 8-3-301	N		high temp.: 420 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		Industrial maintenance: 250 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		low solids: 120 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		primers, sealers, undercoaters: 200 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		quick-dry enamels: 250 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		quick-dry primers, sealers, undercoaters: 200 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
VOC	BAAQMD 8-3-301	N		rust preventative: 400 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		specialty primers, sealers, and undercoaters: 350 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		waterproofing concrete/masonry sealers: 400 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		waterproofing sealers: 400 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
VOC	BAAQMD Regulation 8-3-302	Y		content of air dried coating < 250 g/4	Regulation 8-3-403	P/E	Labeling & Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII-~~CE~~
 S30, Maintenance Coating Operation**

<u>Type of Limit Pollutant</u>	<u>Emission Limit Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Emission-Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
	BAAQMD Regulation 8-3-304	Y		content of coatings < specified VOC content	Regulation 8-3-403	P/E	Labeling & Records
<u>VOC</u>	<u>BAAQMD Regulation 8-19-302.2</u>	<u>Y</u>		<u>content of air dried coating < 2.8 lb/gal</u>	<u>Regulation BAAQMD 8-19-501</u>	<u>P/WE</u>	<u>Records</u>
<u>VOC</u>	<u>BAAQMD Regulation 8-19-312</u>	<u>Y</u>		content of coatings < specified VOC content <u>coating < 3.5 lb VOC/gal</u>	<u>Regulation BAAQMD 8-19-501</u>	<u>P/EW</u>	<u>Records</u>
	<u>BAAQMD 8-19-320.2</u>	<u>Y</u>		<u>Cleanup solvent for spray equipment < 0.42 lb VOC/gal unless collected per 8-19-320.2(i) or gun washer per Regulation 8, Rule 16 is used</u>	<u>BAAQMD 8-19-501</u>	<u>P/M</u>	<u>Records</u>
	<u>BAAQMD 8-19-321</u>	<u>Y</u>		<u>Surface preparation solvent < 0.42 lb VOC/gal</u>	<u>BAAQMD 8-19-501</u>	<u>P/M</u>	<u>Records</u>
	<u>BAAQMD Regulation 8-31-302</u>	<u>Y</u>		content of coatings < specified VOC content <u>2.8 lb VOC/gal, excluding water</u>	<u>Regulation BAAQMD 8-31-501</u>	<u>P/EW</u>	<u>Records</u>
	BAAQMD Regulation 8-31-306	Y		content of coatings < specified VOC content	Regulation 8-31-501	P/E	Records
	<u>BAAQMD 8-31-306.2</u>	<u>Y</u>		<u>Color topcoat < 3.8 lb VOC/gal, excluding water</u>	<u>BAAQMD 8-31-501</u>	<u>P/W</u>	<u>Records</u>
<u>VOC</u>	BAAQMD Regulation 8-31-306	Y		content of coatings < specified VOC content	Regulation 8-31-501	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

**Table VII-~~CE~~
 S30, Maintenance Coating Operation**

<u>Type of Limit Pollutant</u>	<u>Emission Limit Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Emission-Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>VOC</u>	<u>BAAQMD Regulation 8-31-309</u>	<u>Y</u>		<u>content of coatings < specified VOC content</u>	<u>Regulation 8-31-501</u>	<u>P/E</u>	<u>Records</u>
	<u>BAAQMD 8-31-309.4</u>	<u>Y</u>		<u>Extreme performance coating < 6.2 lb VOC/gal</u>	<u>BAAQMD 8-31-501</u>	<u>P/W</u>	<u>Records</u>
	<u>BAAQMD 8-31-309.5</u>	<u>Y</u>		<u>High gloss < 3.5 lb VOC/gal</u>	<u>BAAQMD 8-31-501</u>	<u>P/W</u>	<u>Records</u>
	<u>BAAQMD 8-31-320.2</u>	<u>Y</u>		<u>Cleanup solvent for spray equipment < 0.42 lb VOC/gal unless collected per 8-19-320.2(i) or gun washer per Regulation 8, Rule 16 is used</u>	<u>BAAQMD 8-31-501</u>	<u>P/M</u>	<u>Records</u>
	<u>BAAQMD 8-31-321</u>	<u>Y</u>		<u>Surface preparation solvent < 0.42 lb VOC/gal</u>	<u>BAAQMD 8-31-501</u>	<u>P/M</u>	<u>Records</u>
Coating Usage	BAAQMD <u>Permit</u> Condition 8936, part 1	Y		1200 gallons in any 12 consecutive months	<u>BAAQMD 8-31-501.2 & BAAQMD Permit</u> Condition 8936, part 3	<u>P/EW</u>	Records
Solvent Usage	BAAQMD <u>Permit</u> Condition 8936, part 2	Y		150 gallons in any 12 consecutive months	<u>BAAQMD 8-31-501.4 & BAAQMD Permit</u> Condition 8936, part 3	<u>P/EM</u>	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~FD~~
S31, Maintenance Wipe Cleaning

<u>Type of Limit</u> <u>Pollutant</u>	<u>Emission Limit</u> <u>Citation of Limit</u>	FE Y/N	Future Effective Date	<u>Emission-Limit</u>	<u>Monitoring Requirement</u> <u>Citation</u>	<u>Monitoring Frequency</u> <u>(P/C/N)</u>	<u>Monitoring Type</u>
VOC	BAAQMD <u>SIP</u> 8-16-304	Y		Trichloroethylene usage ≤ 3.2 gallons per day	<u>SIP</u> 8-16-501	P/ EM	Records
Solvent Usage	BAAQMD Permit Condition 8937 ₂ part 1	Y		100 gallons in any 12 consecutive months	BAAQMD Permit Condition 8937 ₂ part 3	P/ <u>ME</u>	Records
1,1,1 Trichloro- ethane Usage	BAAQMD Permit Condition 8937 ₂ part 2	N		20 gallons in any 12 consecutive months	BAAQMD Permit Condition 8937 ₂ part 3	P/ <u>ME</u>	Records

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

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD Regulation 6-304	Tube Cleaning	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD Regulation 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling <u>or</u> EPA Reference Method 5 (40 CFR 60, Appendix A), Determination of Particulate Emissions from Stationary Sources
BAAQMD Regulation 8-3-302	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD Regulation 8-3-304	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD Regulation 8-8-112	Wastewater (Oil-Water) Separators; Exemption Wastewater Critical Organic Compound Concentration and/or Temperature	Manual Procedures, Volume III, Lab Method 33, Wastewater Analysis for Critical Organic Compounds

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 8-19-302	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A, Determination of Emissions of Organic Compounds If EPA Method 25 or 25A is used, control device equivalency (if applicable) is determined as prescribed in 55 FR 26865
BAAQMD Regulation 8-19-312	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A If EPA Method 25 or 25A is used, control device equivalency (if applicable) is determined as prescribed in 55 FR 26865
BAAQMD Regulation 9-1-302	General Emission Limits	Manual of Procedures, Volume IV, ST-19 A or B, Sampling and Analysis of Gas Streams; Manual of Procedures, Volume III, Method 10, Sulfur Content of Fuels
BAAQMD 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-9-302	NO _x Emissions from Stationary Gas Turbines	District manual of Procedures, Volume IV, ST-13A or B, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 9-11-302	NO _x Emissions from Utility Electric Power Generating Boilers, Interim Compliance NO _x Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 1.75 Billion BTU/hour	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD Regulation 9-11-304.1.1	NO _x Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD Regulation 9-11-304.1.2	NO _x Emissions from Utility Electric Power Generating Boilers, Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-304.1.3	NO _x Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel and Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-306.1.1	NO _x Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-306.1.2	NO _x Emissions from Utility Electric Power Generating Boilers, Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-306.1.3	NO _x Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel and Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-308	System-wide NO _x Emission Rate Limit	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-309	Advanced Technology Alternative Emission Control Plan	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-309.1	System-wide NO _x Emission Rate Limits	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-11-310.1	CO Emission Limits During Steady-State Compliance Tests	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6,
BAAQMD 9-11-310.2	CO Emission Limits During Normal Operations	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-311	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	District Manual of Procedures, Volume IV, ST-1B, EPA Method 350.3 and Determination of Ammonia, or alternative method approved by the APCO
BAAQMD 11-1-301	Hazardous Pollutants, Lead, Daily Emissions	District Manual of Procedures, Volume IV, ST-9, Determination of Daily Emission Limits
BAAQMD Permit Condition 16329, #3	System-wide NOx Emission Rate Limits	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD Permit Condition 16329, #5	NOx Emission Limits for Boilers that Qualify for the Limited Capacity Factor Exemption	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD Permit Condition 16329, #7a	CO Emission Limits During Steady-State Compliance Tests	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6,
BAAQMD Permit Condition 16329, #7b	CO Emission Limits During All Operations Other Than Steady-State Compliance Tests	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD Permit Condition 16329, #8	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	District Manual of Procedures, Volume IV, ST-1B, EPA Method 350.3 and Determination of Ammonia, or alternative method approved by the APCO

IX. TITLE IV ACID RAIN PERMIT

Effective ~~January 1, 1998 through December 31, 2002~~

ISSUED TO:

**Pacific Gas and Electric Company
Hunters Point Power Plant
1000 Evans Avenue
San Francisco, CA 94124**

PLANT SITE LOCATION:

**1000 Evans Avenue
San Francisco, CA 94124**

ISSUED BY:

~~Ellen Garvey~~ Jack P. Broadbent,
Air Pollution Control Officer

Date

**Type of Facility: Electric Generation
Primary SIC: 4911
Product: Electricity**

DESIGNATED REPRESENTATIVE

**Name: ~~E. James Macias~~ Gregory M. Rueger
Title: Senior Vice President and General Manager
Generation, Transmission, and Supply
Phone: (415) 973-1441**

FACILITY CONTACT PERSON:

**Name: ~~Michael L. Jones~~ Robert S. McClure
Title: Plant Manager
Phone: (415) 695-2200**

IX. Acid Rain Permit

ACID RAIN PERMIT CONTENTS

- 1) Statement of Basis
- 2) SO₂ allowance allocated under this permit and NO_x requirements for each affected unit.
- 3) Comments, notes and justifications regarding permit decisions and changes made to the permit application forms during the review process, and any additional requirements of conditions.
- 4) The permit application submitted for this source. The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application.

1) STATEMENT OF BASIS

Statutory and Regulatory Authorities: In accordance with District Regulation 2, Rule 7 and Titles IV and V of the Clean Air Act, the Bay Area Air Quality Management District issues this permit pursuant to District Rule Regulation 2, Rule 7.

2) SO₂ ALLOWANCE ALLOCATIONS

	Year	1998	1999	2000	2001	2002
BOILER 3 BAAQMD S3	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	76*	76*	76*
	NO _x Limit	This unit is not subject to the NO _x requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.				

	Year	1998	1999	2000	2001	2002
BOILER 4 BAAQMD S4	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	5*	5*	5*
	NO _x Limit	This unit is not subject to the NO _x requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.				

IX. Acid Rain Permit

	Year	1998	1999	2000	2001	2002
BOILER-5 BAAQMD-S5	SO ₂ -allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	74*	74*	74*
	NOx Limit	This unit is not subject to the NOx requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.				

	Year	1998	1999	2000	2001	2002
BOILER-6 BAAQMD-S6	SO ₂ -allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	1*	1*	1*
	NOx Limit	This unit is not subject to the NOx requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.				

	Year	1998	1999	2000	2001	2002
BOILER 7 BAAQMD S7		2004	2005	2006	2007	2008
	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA <u>30</u>	NA <u>29</u>	192* <u>28*</u>	192* <u>27*</u>	192* <u>26*</u>
	NOx Limit	This unit is not subject to the NOx requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.				

* ~~The number of allowances allocated to Phase II affected units by U.S. EPA may change in a 1998 revision to 40 CFR part 73 Tables 2, 3, and 4. In addition, The number of allowances actually held by an affected source in a unit account may differ from the number allocated by USEPA and. Neither of the aforementioned conditions necessitate would not require~~ a revision to the unit SO₂ allowance allocations identified in this permit.

3) COMMENTS, NOTES AND JUSTIFICATIONS

None

4) PERMIT APPLICATION

Attached

X. GLOSSARY

ACT
Federal Clean Air Act

AB 2588
California Assembly Bill 2588 (Air Toxic "Hot Spots" Program)

APCO
Air Pollution Control Officer

ASTM
American Society for Testing and Materials

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CEMS
Continuous Emission Monitoring System

CEQA
California Environmental Quality Act

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

COM
Continuous Opacity Monitor

X. Glossary

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

FE, Federally Enforceable,

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.

FR

Federal Register

GLC

Ground Level Concentration

Grain

1/7000 of a pound

HAP

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

IERC

Interchangeable Emission Reduction Credit, as defined by BAAQMD Regulation 2-9-212.

Major Facility

A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, greater than or equal to 100 tons per year, greater than or equal to (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) greater than or equal to at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

MFR

X. Glossary

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MOP

The District's Manual of Procedures

N/A

Not applicable

NAAQS

National Ambient Air Quality Standards

NESHAPS

National Emission Standards for Hazardous Air Pollutants (~~Contained-See~~ in 40 CFR Part 61)

NMHC

Non-methane Hydrocarbons

NO_x

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

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 on-site contemporaneous emission reduction credits. Applies to emissions of POC, NO_x, PM₁₀, and SO₂.

PG&E

Pacific Gas & Electric Company

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to from Titles IV and V of the Clean Air Act.

X. Glossary

POC

Precursor Organic Compounds

PM

Total Particulate Matter

PM10

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

PSD

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

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

ST

Source test

Title V

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

TRMP

Toxic Risk Management Plan

TSP

Total Suspended Particulate

VMS

Branched, cyclic, or linear completely methylated siloxane

VOC

Volatile Organic Compounds

X. Glossary

Units of Measure:

BTU	=	British Thermal Unit
dscf	=	dry standard cubic feet
gal	=	gallon
<u>gr</u>	=	<u>grain, when referring to particulate; gram, when referring to VOC</u>
hp	=	horsepower
hr	=	hour
lb=		pound
max	=	maximum
min	=	minute
MM	=	million
ppmv	=	parts per million, by volume
psia	=	pounds per square inch, absolute

XI. APPENDIX A - APPLICABLE STATE IMPLEMENTATION PLAN

The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:

<http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1>

See Attachments

XII. TITLE IV PERMIT APPLICATION

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