

Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:
**Southern Energy California, Pittsburg Power Plant
Facility #A0012**

Facility Address:
696 West 10th Street
Pittsburg, CA 94565

Mailing Address:
P.O. Box 192
Pittsburg, CA 94565

Primary Responsible Official

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Production Manager
(925) 427-3510

Secondary Responsible Official

Ronald M. Kino
Environmental, Health and Safety Manager
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Facility Contact

Joseph H. Bittner
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Type of Facility: Electric Generation

Primary SIC: 4911

Product: Electricity

BAAQMD Permit Division Contact:

Weyman Lee

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Ellen Garvey
Ellen Garvey, Executive Officer/Air Pollution Control Officer

September 14, 1998
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 11/3/93);

SIP Regulation 1 - General Provisions and Definitions

(as approved by EPA through 11/10/82);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on 6/7/95);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA through 6/23/95);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review

(as amended by the District Board on 6/7/95);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration

(as approved by EPA through 10/19/84); and

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on 6/15/94).

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

1. This Major Facility Review Permit expires on September 14, 2003. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than March 14, 2003 and no earlier than September 14, 2002. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after September 14, 2003** (Regulation 2-6-307, 404.2, & 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)
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 of a notification of planned changes or anticipated non-

I. Standard Conditions (continued)

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 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 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 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)

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 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

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

I. Standard Conditions (continued)

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. 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 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
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

I. Standard Conditions (continued)

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 unless the Major Facility Review Permit has been modified pursuant to Regulation 2, Rule 6. (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, record keeping 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 (EDRs) to EPA for Boilers S-1, S-2, S-3, S-4, S-5, S-6, and S-7. 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.

Table II-A

S-#	Description	Make or Type	Model	Capacity
S-1	Boiler No. 1 - Electric Generation, Gas and Oil Fired	Babcock and Wilcox	single drum reheat	1,725 MMBTU/hr
S-2	Boiler No. 2 - Electric Generation, Gas and Oil Fired	Babcock and Wilcox	single drum reheat	1,725 MMBTU/hr
S-3	Boiler No. 3 - Electric Generation, Gas and Oil Fired	Babcock and Wilcox	single drum reheat	1,725 MMBTU/hr
S-4	Boiler No. 4 - Electric Generation, Gas and Oil Fired	Babcock and Wilcox	single drum reheat	1,725 MMBTU/hr
S-5	Boiler No. 5 - Electric Generation, with Fuel Additive System, Gas and Oil Fired	Babcock and Wilcox	radiant reheat	3,300 MMBTU/hr
S-6	Boiler No. 6 - Electric Generation, with Fuel Additive System, Gas and Oil Fired	Babcock and Wilcox	radiant reheat	3,300 MMBTU/hr
S-7	Boiler No. 7 - Electric Generation, with Fuel Additive System, Gas and Oil Fired	Combustion Engineering	super-critical combined circulation	6,854 MMBTU/hr
S-58	Service Station, G# 8348			
S-62	Oil - Water Separator	custom design		750 gal/min
S-63	Dissolved Air Flotation Unit (DAF)	Serck Baker		750 gal/min
S-70	Paint Spray Operation - Maintenance	Graco Binks	5000 Mach 1 HVLP	
S-71	Solvent Wipe Cleaning Operation	custom design		
S-72	Sand Blasting Facility	custom design		2 ton/hr

II. Equipment List (continued)

B. Abatement Device List

Table II-B

A-#	Description	Source(s) Controlle d	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-72	Dust Collector System	S-72	Regulation 6-301	Dust Collector shall operate during all times of operation at S-72	0.15 gr/dscf

III. GENERALLY APPLICABLE REQUIREMENTS

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

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
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

Where an applicable requirement is a SIP requirement, the full language of the SIP requirement is included in Appendix A of this permit.

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 (or disapproved) 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 (11/3/93)	N
SIP Regulation 1	General Provisions and Definitions (11/10/82)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y

III. Generally Applicable Requirements (continued)

Table III (continued)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 5	Open Burning (11/2/94)	N
SIP Regulation 5	Open Burning (5/3/84)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (5/3/84)	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 3	Organic Compounds - Architectural Coatings (12/20/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (12/20/95)	N
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
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
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. Additionally, where an applicable requirement is a SIP requirement, the full language of the SIP requirement is included in Appendix A of this permit. All other text may be found in the regulations themselves.

Table IV-A
S-1, Boiler No. 1, Power Generation
S-2, Boiler No. 2, Power Generation
S-3, Boiler No. 3, Power Generation
S-4, Boiler No. 4, Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (11/3/93)		
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	

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-1, Boiler No. 1, Power Generation
S-2, Boiler No. 2, Power Generation
S-3, Boiler No. 3, Power Generation
S-4, Boiler No. 4, Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 1	General Provisions and Definitions (11/10/82)		
1-541	Emission Excesses	Y ¹	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann Number 1 Limitation	N	
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	
SIP Regulation 6	Particulate Matter and Visible Emissions		
6-301	Ringelmann Number 1 Limitation (9/5/79)	Y ¹	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-302	General Emission Limitation	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (5/3/84)		
9-1-301	Limitations on Ground Level Concentrations	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-1, Boiler No. 1, Power Generation
S-2, Boiler No. 2, Power Generation
S-3, Boiler No. 3, Power Generation
S-4, Boiler No. 4, Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
9-11-304	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	
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	
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 emission control device
9-11-401	Compliance Schedule - Emissions Limits	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-1, Boiler No. 1, Power Generation
S-2, Boiler No. 2, Power Generation
S-3, Boiler No. 3, Power Generation
S-4, Boiler No. 4, Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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 #16326	Permit Conditions		
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	

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-1, Boiler No. 1, Power Generation
S-2, Boiler No. 2, Power Generation
S-3, Boiler No. 3, Power Generation
S-4, Boiler No. 4, Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	Boilers in Startup or Shutdown, Taken out of Service, on Force Majeure Natural Gas Curtailment, and Oil Testing (Basis: CEQA)	N	
Condition 5	CO Emission Limits (Basis: CEQA)	N	
Condition 6	Ammonia Emission Limits (Basis: CEQA)	N	
Condition 7	Startup Provision (Basis: CEQA)	N	
Condition 8	Shutdown Provision (Basis: CEQA)	N	
Condition 9	Continuous Emission Monitoring Systems (CEMS) Requirements (Basis: CEQA)	N	
Condition 10	Fuel Meter Requirements (Basis: CEQA)	N	
Condition 11	Ammonia Emission Limit (Basis: CEQA)	N	
Condition 12	Recordkeeping Requirements (Basis: CEQA)	N	

¹ This 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.

Facility Name: Southern Energy California, Pittsburg Power Plant

Permit for Facility #: A0012

Expiration Date: September 14, 2003

ID: WNL

IV. Source-Specific Applicable Requirements (continued)

IV. Source-Specific Applicable Requirements (continued)

**Table IV-B
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation
S-7, Boiler No. 7, Power Generation**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (11/3/93)		
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	
SIP Regulation 1	General Provisions and Definitions (11/10/82)		
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y ¹	
1-541	Emission Excesses	Y ¹	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann Number 1 Limitation	N	
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	
SIP Regulation 6	Particulate Matter and Visible Emissions		
6-301	Ringelmann Number 1 Limitation (9/5/79)	Y ¹	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-302	General Emission Limitation	Y	

IV. Source-Specific Applicable Requirements (continued)

**Table IV-B
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation
S-7, Boiler No. 7, Power Generation**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	

**Table IV-B (continued)
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation
S-7, Boiler No. 7, Power Generation**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (5/3/84)		
9-1-301	Limitations on Ground Level Concentrations	Y ¹	
BAAQMD Regulation 9, Rule 3	Inorganic Gaseous Pollutants, Nitrogen Oxides From Heat Transfer Operations (3/17/82)		
9-3-301	Existing Heat Transfer Operation Limits	N	
9-3-302	Different Fuels in Existing Heat Transfer Operations	N	
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	
9-11-302	Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 1.75 billion BTU/hour	Y	
9-11-302.1	NOX limits, 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	

IV. Source-Specific Applicable Requirements (continued)

Table IV-B (continued)
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation
S-7, Boiler No. 7, Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	
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 emission 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	
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants, Lead (3/17/82)		

IV. Source-Specific Applicable Requirements (continued)

**Table IV-B (continued)
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation
S-7, Boiler No. 7, Power Generation**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 #401	Permit Conditions		
Condition 1a	Fuel Additive Required When Burning Fuel Oil and Nuisance (basis: BAAQMD 1-301)	N	
Condition 1b	Excessive Visible Emissions When Burning Fuel Oil (basis: BAAQMD 6-301)	Y	
Condition 2	Installation and maintenance of cold-end preheater baskets (basis: BAAQMD 1-301)	N	
Condition 3	Requirements for Burning Fuel Oil (basis: BAAQMD 1-301, 6-305)	N	
Condition 4	Record Keeping When Burning Oil (basis: cumulative increase)	Y	
Condition 5	Boiler Cleaning and Inspection Requirements (basis: cumulative increase)	Y	
BAAQMD Condition #16326	Permit Conditions		
Condition 1	Applicability of “electric power generating system” and “systemwide NOx emission rate” (Basis: CEQA)	N	

IV. Source-Specific Applicable Requirements (continued)

Table IV-B (continued)
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation
S-7, Boiler No. 7, Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	Boilers in Startup or Shutdown, Taken out of Service, on Force Majeure Natural Gas Curtailment, and Oil Testing (Basis: CEQA)	N	
Condition 5	CO Emission Limits (Basis: CEQA)	N	
Condition 6	Ammonia Emission Limits (Basis: CEQA)	N	
Condition 7	Startup Provision (Basis: CEQA)	N	
Condition 8	Shutdown Provision (Basis: CEQA)	N	
Condition 9	Continuous Emission Monitoring Systems (CEMS) Requirements (Basis: CEQA)	N	
Condition 10	Fuel Meter Requirements (Basis: CEQA)	N	
Condition 11	Ammonia Emission Limit (Basis: CEQA)	N	
Condition 12	Recordkeeping Requirements (Basis: CEQA)	N	

¹ This 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.

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IV. Source-Specific Applicable Requirements (continued)

IV. Source-Specific Applicable Requirements (continued)

Table IV-C
S-58, Service Station, G# 8348

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 7	Organic Compounds, Gasoline Dispensing Facilities (3/4/87)		
8-7-113	Exemption, Tank Gauging and Inspection	Y	
8-7-301	Phase I Requirements	Y	
8-7-302	Phase II Requirements	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-305	Equipment Maintenance	Y	
8-7-306	Prohibition of Use	Y	
8-7-308	Operating Practices	Y	
8-7-309	Phase I Requirements	Y	
8-7-310	Phase II Requirements	Y	
8-7-401	Equipment Installation and Modifications	Y	
8-7-402	Implementation	Y	
BAAQMD Condition #6583	Permit Condition		
Condition	Fuel Throughput Limitation [basis: Toxic Risk Policy]	N	

IV. Source-Specific Applicable Requirements (continued)

**Table IV-D
S-62, Oil – Water Separator
S-63, Dissolved Air Flotation Unit (DAF)**

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, Wastewater Critical Organic Compound Concentration And/Or Temperature	Y	
8-8-113	Exemption, Secondary Wastewater 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 Wastewater Records	Y	
8-8-502	Wastewater Critical Organic Compound Concentration And/Or Temperature Records	Y	
8-8-503	Inspection and Repair Records	Y	
BAAQMD Condition #10431	Permit Conditions		
Condition 1	Wastewater Throughput Limit [basis: cumulative increase]	N	
Condition 2	Storm Water Throughput Limit [basis: cumulative increase]	N	
Condition 3	Record Keeping Requirements [basis: Regulation 8-8-501]	Y	
Condition 4	Exemption Requirements [basis: Regulation 8-8-502]	Y	

IV. Source-Specific Applicable Requirements (continued)

**Table IV-E
S-70, Paint Spray Operation - Maintenance**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 3	Organic Compounds, Architectural Coatings (12/20/95)		
8-3-302	Final Limits	Y	
8-3-304	Specialty Coating Limitations	Y	
8-3-306	Exempt Coating Labeling	Y	
8-3-401	Date of Manufacture	Y	
8-3-403	Labeling Requirement	Y	
BAAQMD Regulation 8, Rule 19	Organic Compounds - Surface Coating of Miscellaneous Metal Parts and Products (12/20/95)		
8-19-110	Exemption - Low Usage Coatings	Y	
8-19-112	Exemption - Touch Up	Y	
8-19-113	Exemption - Specific Operations	Y	
8-19-117	Exemption - Stencil Coating	Y	
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	
8-19-312	Specialty Coating Limitations	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-405	Low Usage Coating Petition	Y	
8-19-407	Specialty Coating Petition	Y	
8-19-501	Records	Y	
BAAQMD Condition #8425	Permit Conditions		
Condition 1	Total Coating Usage Limit (basis: cumulative increase)	Y	
Condition 2	Net Cleanup Solvent Usage Limit (basis: cumulative increase)	Y	
Condition 3	Record Keeping Requirements (basis: BAAQMD Regulation 8-19-501.2)	Y	

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IV. Source-Specific Applicable Requirements (continued)

IV. Source-Specific Applicable Requirements (continued)

**Table IV-F
S-71, Solvent Wipe Cleaning Operation**

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 (6/15/94)		
BAAQMD 8-16-111	Exemption, Wipe Cleaning	Y	
BAAQMD 8-16-304	Trichloroethylene Limitation	Y	
BAAQMD 8-16-501	Solvent Records	Y	
BAAQMD Condition #8427	Permit Conditions		
Condition 1	Solvent Usage Limit (basis: cumulative increase)	Y	
Condition 2	Record Keeping Requirements (basis: BAAQMD Regulation 8-16-501)	Y	

IV. Source-Specific Applicable Requirements (continued)

**Table IV-G
S-72, Sand Blast Facility**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
CA Title 17	State Provisions for Sandblasting	N	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
SIP Regulation 6	Particulate Matter and Visible Emissions (6/16/83)		
6-301	Ringelmann No. 1 Limitation (9/5/79)	Y ¹	
BAAQMD Condition #13445	Permit Conditions		
Condition 1	Abrasive Usage Limit – Annually (basis: cumulative increase)	Y	
Condition 2	Abrasive Usage Limit – Daily (basis: cumulative increase)	Y	
Condition 3	Abatement by Dust Collector (basis: cumulative increase)	Y	
Condition 4	Record Keeping Requirements (basis: cumulative increase)	Y	
Condition 5	Ringelmann No. 1 or cause nuisance due to fallout (basis: Regulation 6-301)	Y	

¹ There are differences between the current BAAQMD rule and the version of the rule in the SIP. For specific information, contact the District’s Rule Development Section of the Enforcement Division. All sources must comply with both versions of the rule until US EPA has reviewed and approved (or disapproved) the District’s revision of the regulation.

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.

VI. PERMIT CONDITIONS

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

A. Source Specific Permit Conditions

Condition #401

For S-5, 6, 7 [Boilers Nos. 5, 6 & 7]

- *1a. A fuel additive shall be used when burning fuel oil. If the use of fuel oil with the additive causes any nuisance (as defined in Rule 1-301), the permit holder shall take appropriate action to remedy the problem or switch to natural gas. [basis: BAAQMD Regulation 1-301]
- 1b. If the use of fuel oil causes excessive visible emissions greater than 20% opacity, the permit holder shall take appropriate action to remedy the problem or switch to natural gas. [basis: BAAQMD Regulation 6-301]
- *2. Type 409 stainless steel cold-end air preheater baskets shall be installed and properly maintained in Boilers 5, 6, and 7. [basis: BAAQMD Regulations 1-301]
- *3. When burning fuel oil, the permit holder shall install and maintain the following [basis: BAAQMD Regulations 1-301]:
 - a. fuel oil-additive injection system
 - b. a steam air heater to maintain cold-end average temperatures above 195 degrees F during minimum load and at maximum load maintain cold-end average of at least 165 degrees F.
 - c. convective pass boiler lancing continuously
 - d. reverse lance air preheater continuously

Condition #401

For S-5, 6, 7 [Boilers Nos. 5, 6 & 7]

4. When burning fuel oil, the permit holder shall maintain daily log of at least the following items: [basis: cumulative increase]
 - a. fuel oil sulfur content
 - b. amount of fuel burned
 - c. amount of fuel additive injected
 - d. type of fuel additive

5. During scheduled boiler overhauls, the fire box, gas recirculation duct, hopper, air heater wheel, windbox and stack shall be inspected and cleaned, if dirty, if fuel oil has been burned since the last inspection. [basis: cumulative increase]

Condition #6583

For S-58 [Service Station]

- * Pursuant to BAAQMD Toxic Section policy, this facility's annual throughput shall not exceed 1.7 million gallons in any consecutive 12 month period. [basis: Toxic Risk Policy]

Condition #8425

For S-70 [Maintenance Coating Operation]

1. The total amount of all coatings applied at S-70 shall not exceed 6500 gallons during any consecutive 12 month period. [basis: cumulative increase]

2. The net amount of cleanup solvent used at S-70 shall not exceed 500 gallons in any consecutive 12 month period. [basis: cumulative increase]

3. In order to demonstrate compliance with the above conditions, 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 five (5) years from the date on which a record is made. [basis: Regulation 8-19-501]
 - a. The type, VOC content as applied, and amount of coating applied daily.

IV. Permit Conditions (continued)

- b. The substrate to which the coating is applied and the Rule and Section Number of Regulation 8 which limits the VOC content of the coating.

IV. Permit Conditions (continued)

Condition #8425

For S-70 [Maintenance Coating Operation]

- c. The type and amount of solvent used for surface preparation or cleanup on a daily basis.
- d. The daily quantities shall be totaled on a monthly basis.

Condition #8427

For S-71 [Solvent Wipe Cleaning]

1. The net amount of Shell 140 solvent or a similar solvent with an equivalent VOC content used at Source S-71 shall not exceed 150 gallons in any consecutive 12 month period. [basis: cumulative increase]
2. In order to demonstrate compliance with the above conditions, the following records shall be maintained in a District-approved log. These records shall be kept on site and be available for District inspection for a period of five (5) years from the date on which a record is made. [basis: Regulation 8-16-501]
 - a. The amount of each type of solvent used monthly
 - b. The monthly quantity of solvent waste removed for disposal
 - c. The monthly quantities shall be totaled on a quarterly basis

Condition #10431

For S-62, 63, 65, and 66 [Oil-Water Separator]

- *1. The total throughput of the normal waste water that is normally being treated at sources S-62 and S-63, shall not exceed 50,000,000 gallons of oily wastewater during any consecutive twelve month period. District-approved flow meters shall be installed and maintained to verify compliance with this condition. [basis: cumulative increase]
- *2. The total throughput of storm water that is being treated at sources S-62, S-63, S-65 and S-66, shall not exceed 90,720,000 gallons during any consecutive twelve month period. District-approved flow meters shall be installed and maintained to verify compliance with this condition for sources S-65 and

IV. Permit Conditions (continued)

S-66. Estimates of the storm water treated by sources S-62 and S-63 shall be compiled and maintained by the operator. [basis: cumulative increase]

Condition #10431

For S-62, 63, 65, and 66 [Oil-Water Separator]

3. In order to demonstrate compliance with the above conditions, the owner/operator of S-62, S-63, S-65 and S-66 shall maintain the following records 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 that the record was made. [basis: Regulation 8-8-501]
 - a. Daily throughput of normal wastewater at S-62 and S-63, summarized on a monthly basis.
 - b. Daily throughput of storm water at S-65 and S-66, summarized on a monthly basis
 - c. Daily hours of operation, summarized on a monthly basis.
 - d. Monthly estimate of storm water processed by sources S-62 and S-63, summarized on a yearly basis.

4. In order to maintain the exemption from controls as specified in Regulation 8, Rule 8, Sections 301, 302, 306, 307 and 308, the owner/operator of source S-62, S-63, S-65 and S-66 shall test the wastewater semiannually and maintain records on the date, time of test, location and wastewater temperature and/or critical organic compound concentration (volume) as required by Regulation 8, Rule 8, Section 502. These records shall be retained and available for inspection by the APCO for at least five (5) years. [basis: Regulation 8-8-502]

Condition #13445

For S-72 [Sand Blasting Facility]

1. The total amount of abrasive used at Sandblasting Facility S-72 and A-72 shall not exceed 384 tons during any consecutive twelve month period. [basis: cumulative increase]

2. The total amount of abrasive used at S-72 and A-72 shall not exceed 16.0 tons during any day. [basis: cumulative increase]

IV. Permit Conditions (continued)

3. Emissions from Sandblasting Facility S-72 shall be abated by the properly maintained Dust Collector System A-72 at all times that S-72 is operating. A District-approved dust collector failure warning device must be in operation at all such times. [basis: cumulative increase]

Condition #13445

For S-72 [Sand Blasting Facility]

4. In order to demonstrate compliance with the above conditions, the owner/operator of S-72 and A-72 shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of five (5) years from the date that the record was made. [basis: cumulative increase]
 - a. Daily throughput of abrasive material, summarized on a monthly basis.
 - b. Daily hours of operation, summarized on a monthly basis.
5. Visible particulate emissions from source S-72 and A-72 shall not exceed Ringelmann 1.0 or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. [basis: Regulation 6-301]

Condition #16326

For S-1, S-2, S-3, S-4, S-5, S-6, S-7 [Boilers]

[Basis for Condition Nos. 1 through 12: 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.]

[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.

IV. Permit Conditions (continued)

- *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

Condition #16326

For S-1, S-2, S-3, S-4, S-5, S-6, S-7 [Boilers]

“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 12 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-1, S-2, 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.

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-1, S-2, 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 (NO_x) emission rate limits, expressed as pounds of NO_x per million BTU of heat input, calculated on a clock-hour basis,

IV. Permit Conditions (continued)

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

Condition #16326

For S-1, S-2, S-3, S-4, S-5, S-6, S-7 [Boilers]

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. 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]
- *5. Emissions of CO from each of the Boilers S-1, S-2, 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]
- *6. Emissions of ammonia from each of the Boilers S-1, S-2, 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

IV. Permit Conditions (continued)

percent oxygen, based on a rolling 60-minute average.
CEQA]

[Basis:

IV. Permit Conditions (continued)

Condition #16326

For S-1, S-2, S-3, S-4, S-5, S-6, S-7 [Boilers]

- *7. For the purposes of compliance with the emission limits in Condition Nos. 3, 4, 5, and 6, the following startup period limits shall apply. For Boiler S-7, the duration of each startup period shall not exceed twenty (20) hours unless catalytic reaction temperature has not been reached, if applicable. For Boilers S-1, S-2, S-3, S-4, S-5, and S-6, 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]

- *8. For the purposes of compliance with the emission limits in Condition Nos. 3, 4, 5, and 6, 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]

- *9. To demonstrate compliance with the NO_x and CO emission limits in Condition Nos. 3 and 5, respectively, the owner and/or operator of Boilers S-1, S-2, 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]

- *10. To demonstrate compliance with the systemwide NO_x emission limits in Condition No. 3, the owner and/or operator of Boilers S-1, S-2, 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]

IV. Permit Conditions (continued)

Condition #16326

For S-1, S-2, S-3, S-4, S-5, S-6, S-7 [Boilers]

- *11. To demonstrate compliance with the ammonia emission limit in Condition No 6, the owner and/or operator of Boilers S-1, S-2, 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]

- *12. In order to demonstrate compliance with all of the above conditions, the owner and/or operator of Boilers S-1, S-2, 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).
 - 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.
 - 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. [Basis: CEQA]

VII. APPLICABLE EMISSION LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, either 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
S-1, Boiler No. 1, Power Generation
S-2, Boiler No. 2, Power Generation
S-3, Boiler No. 3, Power Generation
S-4, Boiler No. 4, Power Generation

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	N		Ringelmann 1		C	COM
	BAAQM D 6-302	Y		< 20% opacity during any 3 min/hr	BAAQMD 1-520.1	C	COM
	BAAQM D 6-304	Y		Ringelmann No. 2 during tube cleaning		C	COM
	BAAQM D 6-310.3	Y		0.15 grains/dscf @ 6% O ₂		N	
	40 CFR 75	Y		None	40 CFR 75	C	COM
	SIP 6-301	Y		Ringelmann No. 1		C	COM
SO ₂	BAAQM D 9-1-301	N		GLC ¹ of 0.5 ppm for 3 minutes or 0.25 ppm for 60 minutes or 0.05 ppm for 24 hours		N	

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-A (continued)
S-1, Boiler No. 1, Power Generation
S-2, Boiler No. 2, Power Generation
S-3, Boiler No. 3, Power Generation
S-4, Boiler No. 4, Power Generation

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO ₂	BAAQM D 9-1-302	Y		300 ppmvd		N	
	BAAQM D 9-1-304	Y		Sulfur content of non-gaseous fuel <0.5% by weight		N	
	SIP 9-1-301	Y		Federal std: GLC ¹ of 140 ppb, 24-hr average, once/yr and 30 ppb, annual average State std: GLC ¹ of 40 ppb, 24-hr average, and 250 ppb, 1 hr average		N	
	40 CFR 75	Y		None	40 CFR 75	P/D (fuel oil only)	fuel analysis
NO _x	BAAQMD 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
	BAAQMD 9-11-304.1.2	Y		700 ppmv @ 3% O ₂ (dry basis) for oil firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-304.1.3	Y		heat input weighted average of emission limits when natural gas and oil fired simultaneously	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 9-11-308	Y		0.28 lbs/MMBTU system-wide average over previous 30 days	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-A (continued)
S-1, Boiler No. 1, Power Generation
S-2, Boiler No. 2, Power Generation
S-3, Boiler No. 3, Power Generation
S-4, Boiler No. 4, Power Generation

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQM D 9-11-309.1	N		0.160 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 9-11-309.1	N		0.115 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 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
	BAAQM D 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
	BAAQM D 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
	BAAQM D 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
	BAAQM D Permit Condition 16326, #3	N		0.188 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D Permit Condition 16326, #3	N		0.160 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D Permit Condition 16326, #3	N		0.115 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-A (continued)
S-1, Boiler No. 1, Power Generation
S-2, Boiler No. 2, Power Generation
S-3, Boiler No. 3, Power Generation
S-4, Boiler No. 4, Power Generation

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 16326, #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 16326, #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 16326, #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 16326, #3	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
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 on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16326, #5a	N		400 ppmv @ 3% O ₂ (dry basis) during steady state compliance tests	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-A (continued)
S-1, Boiler No. 1, Power Generation
S-2, Boiler No. 2, Power Generation
S-3, Boiler No. 3, Power Generation
S-4, Boiler No. 4, Power Generation

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Permit Condition 16326, #5b	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		10 ppmv @ 3% O ₂ (dry basis) based on rolling 60 minute average upon installation of an applicable emission control device	BAAQMD 9-11-402	P/Q	Quarterly tests
	BAAQMD Permit Condition 16326, #6	N		10 ppmv @ 3% O ₂ (dry basis) based on rolling 60 minute average upon installation of an applicable emission 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

¹Ground Level Concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-B
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation
S-7, Boiler No. 7, Power Generation

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	N		Ringelmann No. 1		C	COM
	BAAQM D 6-302	Y		< 20% opacity during any 3 min/hr	BAAQMD 1-520.1	C	COM
	BAAQM D 6-304	Y		Ringelmann No. 2 during tube cleaning		C	COM
	BAAQM D 6-310.3	Y		0.15 grains/dscf @ 6% O ₂		N	
	SIP 6-301	Y		Ringelmann No. 1		C	COM
	40 CFR 75	Y		None	40 CFR 75	C	COM
SO ₂	BAAQM D 9-1-301	N		GLC ¹ of 0.5 ppm for 3 minutes or 0.25 ppm for 60 minutes or 0.05 ppm for 24 hours		N	
	BAAQM D 9-1-302	Y		300 ppmvd		N	
	BAAQM D 9-1-304	Y		Sulfur content of non- gaseous fuel <0.5% by weight		N	
	SIP 9-1-301	Y		Federal std: GLC ¹ of 140 ppb, 24-hr average, once/yr and 30 ppb, annual average State std: GLC ¹ of 40 ppb, 24-hr average, and 250 ppb, 1 hr average		N	

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

	40 CFR 75	Y		None	40 CFR 75	P/D (fuel oil only)	fuel analysis
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Table VII-B (continued)
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation
S-7, Boiler No. 7, Power Generation

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-3-301	N		175 ppmv @ 3% O ₂ (dry basis) for natural gas firing or 300 ppmv @ 3% O ₂ (dry basis) for oil firing		C	CEMS
	BAAQMD 9-3-302	N		heat input weighted average of emissions when natural gas and oil fired simultaneously		C	CEMS
	BAAQMD 9-11-302.1.1	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
	BAAQMD 9-11-302.1.2	Y		300 ppmv @ 3% O ₂ (dry basis) for oil firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-302.1.3	Y		heat input weighted average of emissions when natural gas and oil fired simultaneously	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-B (continued)
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation
S-7, Boiler No. 7, Power Generation

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQM D 9-11-308	Y		0.28 lbs/MMBTU system-wide average over previous 30 days	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 9-11-309.1	N		0.160 lbs/MMBTU system-wide average on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
NOx	BAAQM D 9-11-309.1	N	1/1/99	0.115 lbs/MMBTU system-wide average on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 9-11-309.1	N	1/1/00	0.105 lbs/MMBTU system-wide average on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 9-11-309.1	N	1/1/02	0.057 lbs/MMBTU system-wide average on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 9-11-309.1	N	1/1/04	0.037 lbs/MMBTU system-wide average on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 9-11-309.1	N	1/1/05	0.018 lbs/MMBTU system-wide average on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
	40 CFR 75	Y		None	40 CFR 75	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-B (continued)
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation
S-7, Boiler No. 7, Power Generation

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 16326, #3	N		0.188 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16326, #3	N		0.160 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16326, #3	N		0.115 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16326, #3	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 Permit Condition 16326, #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 16326, #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 16326, #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

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-B (continued)
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation
S-7, Boiler No. 7, Power Generation

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 9-11-310.2	Y		1000 ppmv @ 3% O ₂ (dry basis) during normal operation on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16326, #5a	N		400 ppmv @ 3% O ₂ (dry basis) during steady state compliance tests	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16326, #5b	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		10 ppmv @ 3% O ₂ (dry basis) based on rolling 60 minute average upon installation of an applicable emission control device	BAAQMD 9-11-402	P/Q	Quarterly tests
	BAAQMD Permit Condition 16326, #6	N		10 ppmv @ 3% O ₂ (dry basis) based on rolling 60 minute average upon installation of an applicable emission control device	BAAQMD 9-11-402	P/Q	Quarterly tests

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-B (continued)
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation
S-7, Boiler No. 7, Power Generation

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Lead	BAAQM D 11-1-301	Y		6.75 kg/day		N	N/A
	BAAQM D 11-1-302	Y		1.0 µg/m ³ averaged over 24 hours		N	N/A

Table VII-C
S-58, Service Station

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQM D Regulation 8-7-301.2	Y		95% recovery of gasoline vapors		N	
Fuel Throughput	BAAQM D Permit Condition 6583	N		1.7 million gallons in any 12 consecutive months		P/E	Records

Table VII-D
S-62, Oil-Water Separator
S-63, Dissolved Air Flotation Unit (DAF)

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQM D 8-8-112	Y		1.0 ppm critical organic compounds	N/A	P/ Semi-annual	Sampling

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

**Table VII-D
S-62, Oil-Water Separator
S-63, Dissolved Air Flotation Unit (DAF)**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Wastewater Throughput	BAAQM D Permit Condition 10431, #1	N		50 million gallons in any 12 consecutive months	BAAQMD Permit Condition 10431, #3	C	Flow Meter
Stormwater Throughput	BAAQM D Permit Condition 10431, #2	N		90.72 million gallons in any 12 consecutive months	BAAQMD Permit Condition 10431, #3	C	Flow Meter

**Table VII-E
S-70, Paint Spray Operation - Maintenance**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-3-302	Y		content of coating less than 250 grams per liter	Regulation 8-3-403	P/E	Labeling
	BAAQMD Regulation 8-3-304	Y		content of coatings < specified VOC content	Regulation 8-3-403	P/E	Labeling
	BAAQMD Regulation 8-19-302	Y		content of air dried coating < 2.8 lb/gal	Regulation 8-19-501	P/E	Records
	BAAQMD Regulation 8-19-312	Y		content of coatings < specified VOC content	Regulation 8-19-501	P/E	Records

Table VII-E (continued)

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

S-70, Paint Spray Operation - Maintenance

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Coating usage	BAAQMD Permit Condition 8425, #1	Y		6500 gallons in any 12 consecutive months	BAAQMD Permit Condition 8425, #3	P/E	Records
Cleanup Solvent usage	BAAQMD Permit Condition 8425, #2	Y		500 gallons in any 12 consecutive months	BAAQMD Permit Condition 8425, #3	P/E	Records

Table VII-F
S-71, Solvent Wipe Cleaning Operation

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
Solvent Usage	BAAQMD Permit Condition 8427 part 1	Y		150 gallons in any 12 consecutive months	BAAQMD Permit Condition 8427 part 3	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

**Table VII-G
S-72, Sand Blasting Facility**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-301 And BAAQMD Permit Condition 13445 part 5	N		Ringelmann less than 1 for more than 3 minutes		C	Differential Pressure Failure Warning System
	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume		N	
	BAAQMD Regulation 6-311	Y		No emissions from source > rate (lb/hour)		N	
TSP	SIP 6-301	Y		Ringelmann No. 1	BAAQMD Permit Condition 13445 part 3	C	Differential Pressure Failure Warning System
Abrasive Usage (Annual)	BAAQMD Permit Condition 13445 part 1	Y		384 tons in any 12 consecutive months	BAAQMD Permit Condition 13445 part 4	P/E	Records
Abrasive Usage (Daily)	BAAQMD Permit Condition 13445 part 2	Y		16 ton/day	BAAQMD Permit Condition 13445 part 4	P/E	Records

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 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
SIP Regulation 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD Regulation 8-2-301	Miscellaneous Operations; VOC Limits	Manual Procedures, Volume IV, Procedure ST-7, Non-Methane Organic Carbon Sampling
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 (continued)

BAAQMD Regulation 8-7-301.2	Gasoline Vapor Recovery	BAAQMD Manual of Procedures, Volume IV, ST-36
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VIII. Test Methods (continued)

Table VIII (continued)

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 Volatile 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, Determination of Emissions of Volatile Organic Compounds If EPA Method 25 or 25A is used, control device equivalency (if applicable) is determined as prescribed in 55 FR 26865
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-3-301	NOx Emissions for Units Rated at 1.75 billion BTU Per Hour or More	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

VIII. Test Methods (continued)

Table VIII (continued)

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-11-302	NOx Emissions from Utility Electric Power Generating Boilers, Interim Compliance NOx 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 9-11-302.1.1	NOx 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 9-11-302.1.2	NOx 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 9-11-302.1.3	NOx 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 NOx 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 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

VIII. Test Methods (continued)

Table VIII (continued)

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 16326, #4	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 16326, #5a	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 16326, #5b	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 16326, #6	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:

**Southern Energy Delta, L.L.C.
Pittsburg Power Plant
P.O. Box 192
Pittsburg, CA 94565**

PLANT SITE LOCATION:

**696 West 10th Street
Pittsburg, CA 94565**

ISSUED BY:

Ellen Garvey, Executive Officer
Air Pollution Control Officer

Date

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

DESIGNATED REPRESENTATIVE

**Name: Mark A. Gouveia
Title: Production Manager
Phone: (925) 427-3510**

ALTERNATE DESIGNATED REPRESENTATIVE:

**Name: Ronald M. Kino
Title: Environmental, Health and Safety Manager**

IX. Acid Rain Permit (continued)

Phone: (925) 427-3545

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 1 BAAQMD S-1	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	1628*	1628*	1628*
	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
	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	1340*	1340*	1340*

IX. Acid Rain Permit (continued)

BOILER 2 BAAQMD S-2	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.
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	Year	1998	1999	2000	2001	2002
BOILER 3 BAAQMD S-3	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	1573*	1573*	1573*
	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 4 BAAQMD S-4	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	1569*	1569*	1569*
	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 5 BAAQMD S-5	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	285*	285*	285*
	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 S-6	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	3725*	3725*	3725*
	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.				

IX. Acid Rain Permit (continued)

	Year	1998	1999	2000	2001	2002
	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	740*	740*	740*
BOILER 7 BAAQMD S-7	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 U.S. EPA. Neither of the aforementioned conditions necessitate a revision to the unit SO₂ allowance allocations identified in this permit.

3) COMMENTS, NOTES AND JUSTIFICATIONS

None

4) PERMIT APPLICATION

Attached

X. GLOSSARY

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

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.

Facility Name: Southern Energy California, Pittsburg Power Plant
Permit for Facility #: A0012
Expiration Date: December 31, 2002
ID: WNL

IX. Acid Rain Permit (continued)

X. Glossary (continued)

District

The Bay Area Air Quality Management District

EPA

The federal Environmental Protection Agency

Federally Enforceable, FE

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

FR

Federal Register

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.

Major Facility

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

MFR

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

X. Glossary (continued)

National Emission Standards for Hazardous Air Pollutants (Contained 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

Southern Energy California

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

PM

Total Particulate Matter

PM₁₀

X. Glossary (continued)

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.

TSP

Total Suspended Particulate

VOC

Volatile Organic Compounds

Units of Measure:

BTU	=	British Thermal Unit
dscf	=	dry standard cubic feet
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
max	=	maximum
min	=	minute

X. Glossary (continued)

MM	=	million
ppmv	=	parts per million, by volume
psia	=	pounds per square inch, absolute

Facility Name: Southern Energy California, Pittsburg Power Plant

Permit for Facility #: A0012

Expiration Date: September 14, 2003

ID: WNL

XI. APPENDIX A - APPLICABLE STATE IMPLEMENTATION PLAN

See Attachments