

Bay Area Air Quality Management District

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

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

~~Southern Energy Delta, L.L.C., Potrero Power Plant~~
**Mirant
Potrero, LLC**

Facility #A0026

Facility Address:

1201-A Illinois Street
San Francisco, CA 94107

Mailing Address:

1201-A Illinois Street
San Francisco, CA 94107

Primary Responsible Official

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~~Production Manager~~
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Facility Contact

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Environmental, Health and Safety
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Type of Facility: Electric Generation

BAAQMD **Permit Engineering**

Division Contact:

Primary SIC: 4911

~~Weyman Lee~~
Donald Van

Buren

Product: Electricity

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

~~Ellen Garvey~~
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 ~~11/3/93~~**5/1/01**);

SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through ~~11/10/82~~**6/28/01**);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on ~~6/7/95~~**8/1/01**);

SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through ~~6/23/95~~**1/26/99**);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on ~~5/17/00~~**6/7/95**);

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

(as approved by EPA through ~~1/26/99~~**10/19/84**); and

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on ~~5/17/00~~**6/15/94**);

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 [when issued, enter date 6 months prior to permit expiration date] and no earlier than [when issued, enter date 12 months prior to expiration date]. **If a complete application for renewal has not been submitted in accordance with ~~thisese~~ deadlines, the facility may not operate after [when issued, enter 5th anniversary of issue date]. 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

I. Standard Conditions ~~(continued)~~

halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or **the filing** of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, 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~~ 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)

I. Standard Conditions ~~(continued)~~

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

- 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. **The first reporting period for this permit shall be [date of issuance] to [six months later]. The report shall be submitted by [one month after end of reporting period]. Subsequent reports shall be for the following periods: [____ 1st through ____ 30th or 31st] and [____ 1st through ____ 30th or 31st], and are due on the last day of the month 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 ____ 1st to ____ 30th or 31st. The certification shall be submitted by ____ 30th or 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

I. Standard Conditions ~~(continued)~~

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 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. Miscellaneous Conditions

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

K. Accidental Release

Upon construction of an ammonium hydroxide solution storage tank, this facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit

I. Standard Conditions ~~(continued)~~

holder shall submit a risk management plan (RMP) by the date specified in §68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6)

KL. 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 (EDR) to EPA for Boiler, S-1. 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	Design Capacity
S-1	Boiler No. 3-1 Electric Generation; Gas and Oil Fired	Riley Stoker Corporation	Turbo Furnace	2150 MMBtu/hr
S-10	Gas Turbine Unit No. 4 - Engine "A" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	26-28 MW 2762 gal/hr 406 MMBtu/hr
S-11	Gas Turbine Unit No. 4 - Engine "B" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	26-28 MW 2762 gal/hr 406 MMBtu/hr
S-12	Gas Turbine Unit No. 5 - Engine "A" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	26-28 MW 2762 gal/hr 406 MMBtu/hr
S-13	Gas Turbine Unit No. 5 - Engine "B" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	26-28 MW 2762 gal/hr 406 MMBtu/hr
S-14	Gas Turbine Unit No. 6 - Engine "B" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	26-28 MW 2762 gal/hr 406 MMBtu/hr
S-15	Gas Turbine Unit No. 6 - Engine "B" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	26-28 MW 2762 gal/hr 406 MMBtu/hr
S25	Foam House No. 1 Diesel Fire Pump (East)	Cummins	NT-855-F2	290 hp
S-27	Oily Water Separator	Eimco	Process Type SB	200 gal/min
S30	Foam House No. 2 Diesel Fire Pump (West)	Cummins	NT-855-F2	290 hp
S-50	Paint Spraying, Facility-Wide	various spray guns		
S-51	Wipe Cleaning, Facility-Wide	custom design		
S-52	Abrasive Blasting Facility	custom design		20' x 20' x 50'

II. Equipment List (continued)

Table II-A

S-#	Description	Make or Type	Model	Design Capacity
S-53	Hopper and Cleaners	Clemco	custom designed	
S-54	Conveyor System	custom design		

~~NOTE: THE HEAT INPUT OF THE TURBINES HAS NOT BEEN FINALIZED.~~

B. Abatement Device List

Table II-B

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-52	Dust Collector Device	S-52, S-53, S-54	BAAQMD Regulation 6-301	Dust Collector shall operate during all times of operation with a outlet grain loading no greater than 0.002 grain/dscf	0.002 gr/dscf Ringelman n 1 for no more than 3 minutes/hr
			BAAQMD 6-310		0.15 gr/dscf
			BAAQMD Condition 7512, part 5		0.002 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. [This section also contains provisions that may apply to temporary sources.](#)

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit.

~~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 (4/3/93 5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (4/10/82 6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N

III. Generally Applicable Requirements

Table III

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (41/2/943/6/02)	N
SIP Regulation 5	Open Burning (5/3/849/4/98)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	NY
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 (12/20/9511/21/01)	Y
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/02)	N
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/0212/20/95)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
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	Air Toxics “Hot Spots” Information and Assessment Act of 1987 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 parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. **The full language of SIP requirements is on EPA Region 9’s website. The address is included at the end 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
Source-specific Applicable Requirements
FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 2, Rule 9	Interchangeable Emission Reduction Credits (4/7/99)		
2-9-301	Bankable Interchangeable Emission Reduction Credits – General Provisions	N	
2-9-302	Use of IERC’s	N	
2-9-303	Alternative Compliance Plan using IERC’s	N	
2-9-304	Restrictions on the Use of IERC’s	N	
2-9-306	Environmental Benefit Surcharge	N	
2-9-502	Alternative Compliance Plan Record Keeping and Reporting	N	
2-9-601	Emission Reduction Calculations – General Requirements	N	
BAAQMD Condition #21294	Permit Conditions		

IV. Source-Specific Applicable Requirements ~~(continued)~~

Table IV - A
Source-specific Applicable Requirements
FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Requirement for CEMs (1-520.1)	Y	
Part 2	IERC calculations (2-9-502)	N	
Part 3	IERC calculations (2-9-502)	N	
Part 4	IERC records (2-9-502)	N	
Part 5	IERC reports (2-9-502)	N	
Part 6	Annual reconciliation reports (2-9-502)	N	

Table IV-AB
Source-specific Applicable Requirements
S-1, Utility Boiler 3-1

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	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	

IV. Source-Specific Applicable Requirements ~~(continued)~~

Table IV-AB
Source-specific Applicable Requirements
S-1, Utility Boiler 3-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 1	General Provisions and Definitions (6/28/9911/10/82)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y ¹	
1-522.7	emission limit exceedance reporting requirements	Y ¹	
1-541	Emission Excesses	Y¹	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann Number 1 Limitation	NY	
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 (when burning fuel oil)	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)	Y¹	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	NY	
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	Y¹	

IV. Source-Specific Applicable Requirements ~~(continued)~~

Table IV-AB
Source-specific Applicable Requirements
S-1, Utility Boiler 3-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (11/15/95/17/00)		
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	
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	1/1/0605
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	N	
9-11-309.4	Eligible Boilers	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	

IV. Source-Specific Applicable Requirements ~~(continued)~~

Table IV-AB
Source-specific Applicable Requirements
S-1, Utility Boiler 3-1

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 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	
SIP Regulation 9, Rule 11	Inorganic Gaseous Pollutants, Nitrogen Oxides and Carbon Monoxide From Utility Electric Power Generating Boilers (5/20/02)		
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	
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	

IV. Source-Specific Applicable Requirements ~~(continued)~~

Table IV-AB
Source-specific Applicable Requirements
S-1, Utility Boiler 3-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 72	Title IV – Acid Rain Program	Y	
40 CFR Part 75	Code of Federal Regulations, Continuous Emissions Monitoring	Y	
BAAQMD Condition #16328	Permit Conditions		
Part 1	<u>Fuel oil less than 0.5% sulfur by wt demonstration options.</u> (Basis: 2-6-409.2, 2-6-501)	Y	
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	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	

IV. Source-Specific Applicable Requirements ~~(continued)~~

Table IV-AB
Source-specific Applicable Requirements
S-1, Utility Boiler 3-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD Condition #21294	Permit Conditions		
Part 1	Requirement for CEMs (Basis: 1-520.1)	Y	
Part 2	IERC calculations (Basis: 2-9-502)	N	
Part 3	IERC calculations (Basis: 2-9-502)	N	
Part 4	IERC records (Basis: 2-9-502)	N	
Part 5	IERC reports (Basis: 2-9-502)	N	
Part 6	Annual reconciliation reports (Basis: 2-9-502)	N	

IV. Source-Specific Applicable Requirements ~~(continued)~~

Table IV-~~BC~~
~~S-10 Gas Turbine Unit No. 4-Engine "A"~~
~~S-11 Gas Turbine Unit No. 4-Engine "B"~~
~~S-12 Gas Turbine Unit No. 5-Engine "A"~~
~~S-13 Gas Turbine Unit No. 5-Engine "B"~~
~~S-14 Gas Turbine Unit No. 6-Engine "A"~~
~~S-15 Gas Turbine Unit No. 6-Engine "B"~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	General Provisions and Definitions (6/28/99)		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y¹	
1-523.3	Reports of Violations	Y¹	
1-523.5	Maintenance and calibration	Y¹	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann NumberNo. 1 Limitation	NY	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
SIP Regulation 6	Particulate Matter and Visible Emissions		
6-301	Ringelmann Number 1 Limitation (9/5/79)	Y¹	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	NY	

IV. Source-Specific Applicable Requirements ~~(continued)~~

Table IV-BC
S-10 Gas Turbine Unit No. 4-Engine "A"
S-11 Gas Turbine Unit No. 4-Engine "B"
S-12 Gas Turbine Unit No. 5-Engine "A"
S-13 Gas Turbine Unit No. 5-Engine "B"
S-14 Gas Turbine Unit No. 6-Engine "A"
S-15 Gas Turbine Unit No. 6-Engine "B"

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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⁺	
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	
40 CFR 64	Compliance Assurance Monitoring (10/22/97)	Y	
64.2(a)	Applicability	Y	
64.3	Monitoring design criteria	Y	
64.3(a)	General criteria	Y	
64.3(a)(1)	Data for one or more indicators	Y	
64.3(a)(2)	Indicator range	Y	
64.3(a)(3)	Design of indicator ranges	Y	
64.3(b)	Performance criteria	Y	
64.3(b)(1)	Specifications for obtaining data	Y	
64.3(b)(2)	Verification procedures	Y	
64.3(b)(3)	Quality assurance and control practices	Y	
64.3(b)(4)	Specifications for frequency, procedures, and averaging periods	Y	
64.3(b)(4)(i)	Design of period over which data are obtained, etc.	Y	
64.3(b)(4)(iii)	Frequency for other pollutant-specific emission units	Y	
64.3(c)	Evaluation factors	Y	

IV. Source-Specific Applicable Requirements ~~(continued)~~

Table IV-BC
S-10 Gas Turbine Unit No. 4-Engine "A"
S-11 Gas Turbine Unit No. 4-Engine "B"
S-12 Gas Turbine Unit No. 5-Engine "A"
S-13 Gas Turbine Unit No. 5-Engine "B"
S-14 Gas Turbine Unit No. 6-Engine "A"
S-15 Gas Turbine Unit No. 6-Engine "B"

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
64.4	Submittal requirements	Y	
64.4(a)	Submittal of monitoring that satisfies design requirements in 40 CFR 63.4	Y	
64.4(b)	Justification for the proposed monitoring	Y	
64.4(b)(1)	Presumptively acceptable monitoring approaches	Y	
64.4(c)(1)	Submittal of control device operating parameter data obtained during tests	Y	
64.4(c)(2)	Documentation of no changes to system after performance tests	Y	
64.5(b)	Deadline for submittals for other pollutant-specific emissions units	Y	
64.5(d)	Prior to approval, emissions unit subject to 40 CFR 70.1(a)(3)(i)(B)	Y	
64.6(a)	Approval by permitting authority	Y	
64.6(b)	Additional data collection	Y	
64.6(c)	Establishment of permit terms or conditions	Y	
64.6(d)	Installation, testing or final verification	Y	
64.7	Operation of approved monitoring	Y	
64.7(a)	Commencement of operation	Y	
64.7(b)	Proper maintenance	Y	
64.7(c)	Continued operation	Y	
64.7(d)	Response to excursions or exceedances	Y	
64.7(e)	Documentation of need for improved monitoring	Y	
64.8	Quality improvement plan	Y	
64.9	Reporting and recordkeeping requirements	Y	
64.9(a)	General reporting requirements	Y	
64.9(b)	General recordkeeping requirements	Y	
64.10	Savings provisions	Y	

IV. Source-Specific Applicable Requirements ~~(continued)~~

Table IV-BC
S-10 Gas Turbine Unit No. 4-Engine "A"
S-11 Gas Turbine Unit No. 4-Engine "B"
S-12 Gas Turbine Unit No. 5-Engine "A"
S-13 Gas Turbine Unit No. 5-Engine "B"
S-14 Gas Turbine Unit No. 6-Engine "A"
S-15 Gas Turbine Unit No. 6-Engine "B"

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Cond #15816			
Part 1	Visible emissions monitoring (Basis: 6-301, 6-302, 2-6-503)	Y	
Part 2	Recordkeeping for visible emissions monitoring (Basis: 2-6-501)	Y	
Part 3	Water injection and monitoring (Basis: 9-9-302)	Y	
Part 4	Fuel sulfur specification and certification (Basis: 9-1-304)	Y	
Part 5	Hours of operation limitation (Basis: 6-310, 9-9-301, 9-9-302)	Y	
Part 6	Recordkeeping (Basis: 2-6-501)	Y	
Part 7	Source tests (Basis: 2-1-403, 2-6-503)	Y	
Part 8	Monitoring Reports (Basis: 40 CFR 64.9(a))	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 ~~(continued)~~

Table IV-D
S25, Foam House No. 1 Diesel Fire Pump (East)
S30, Foam House No. 2 Diesel Fire Pump (West)

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)		
6-303	Ringelmann No. 2 Limitation		
6-305	Visible Particulates		
6-310	Particulate Weight Limitation		
6-401	Appearance of Emissions		
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations		
9-1-304	Fuel Burning (Liquid and Solid Fuels)		
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants (8/1/01)		
9-8-330	Emergency Standby Engines, Hours of Operation		
9-8-530	Emergency standby engines, monitoring and recordkeeping		
BAAQMD Condition #21338			
Part 1	<u>Diesel Fuel Delivery Records to State Sulfur Content (Basis: 2-6-409.2; 2-6-501)</u>	Y	

IV. Source-Specific Applicable Requirements ~~(continued)~~

**Table IV-~~CE~~
 S-27, Oily-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, 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	

**Table IV-~~DF~~
 S-50, Paint Spraying, Facility-Wide**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 3	Organic Compounds, Architectural Coatings (11/21/01)		
8-3-301	VOC Content limits	Y	
8-3-303	Sell-Through of Coatings	Y	
8-3-304	Painting Practices	Y	
8-3-305	Prohibition of Excess Thinning	Y	
8-3-306	Rust Preventative Coatings	Y	
8-3-307	Coatings Not Listed in Section 8-3-301	Y	

IV. Source-Specific Applicable Requirements ~~(continued)~~

**Table IV-DF
 S-50, Paint Spraying, Facility-Wide**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-3-309	Limited Allowance, Industrial Maintenance Coatings	Y	
8-3-401	Container Labeling Requirements	Y	
8-3-402	Petition, Limited Allowance for Industrial Maintenance Coatings	Y	
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	
8-19-117	Exemption - Stencil Coating	Y	
8-19-123	Exemption, Solid Film Lubricant	Y	
8-19-133	Exemption Spray Application Equipment	Y	
8-19-136	Limited Exemption - Specialty Coatings	Y	
8-19-302	Limits	Y	
8-19-307	Prohibition of Specification	Y N	
8-19-308	Compliance Statement Requirement	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	
8-19-321	Surface Preparation Standards	Y	
8-19-405	Low Usage Coating Petition	Y	
8-19-407	Specialty Coating Petition	Y	
8-19-408	Emission Reduction Credits	Y	
8-19-501	Records	Y N	
SIP Regulation 8, Rule 19	Organic Compounds, Surface Coating of Miscellaneous Metal Parts and Products (7/23/96)		
8-19-307	Prohibition of Specification	Y	
8-19-308	Compliance Statement Requirement	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-501	Records	Y	

IV. Source-Specific Applicable Requirements ~~(continued)~~

**Table IV-DF
 S-50, Paint Spraying, Facility-Wide**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD- Regulation 8, Rule 23	Organic Compounds – Coating of Flat Wood Paneling and Wood Flat Stock (12/20/95)		
8-23-301	VOC Limits	Y	
8-23-401	Coating List Requirement	Y	
8-23-501	Records	Y	
BAAQMD Regulation 8, Rule 31	Organic Compounds - Surface Coating of Plastic Parts and Products (12/20/9510/16/02)		
8-31-111	Exemption, Low Usage Coatings	Y	
8-31-114	Exemption, Touch Up	Y	
8-31-121	Exemption, Stencil Coating	Y	
8-31-122	Exemption, Spray Application Equipment	Y	
8-31-123	Exemption, Small User	Y	
8-31-124	Limited Exemption, Coating Records	Y	
8-31-302	VOC Limit	Y	
8-31-306	Flexible Coatings	Y	
8-31-307	Prohibition of Specification	Y	
8-31-308	Compliance Statement Requirements	N	
8-31-309	VOC Limits	Y	
8-31-310	Spray Application Equipment Requirements	Y	
8-31-320	Solvent Evaporative Minimization Requirements	Y	
8-31-321	Surface Preparation Standards	Y	
8-31-401	Coating Petition	Y	
8-31-403	Low Usage Coating Petition	Y	
8-31-501	Records	Y	
BAAQMD Condition #6062	Permit Conditions		
ConditionPart 1	Total Paint Usage Limit (Basis: cumulative increase)	Y	
ConditionPart 2	Total Cleanup Solvent Limit (Basis: cumulative increase)	Y	

IV. Source-Specific Applicable Requirements ~~(continued)~~

**Table IV-DF
 S-50, Paint Spraying, Facility-Wide**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition Part 3	VOC Content Limit (Basis: BAAQMD Regulation 8-19-302.2 cumulative increase)	Y	
Condition Part 4	Record Keeping Provisions for Adding Components To Coatings (Basis: BAAQMD Regulation 8-19-501.2)	Y	
Condition Part 5	Coating and Cleanup Solvent Log (Basis: BAAQMD Regulation 8-19-501)	Y	

**Table IV-E
 S-51, Wipe Cleaning, Facility-Wide**

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-#6062	Permit Conditions		
Condition Part 61	1, 1, 1-trichloroethane Usage Limit (basis: cumulative increase)	N	
Condition Part 72	Storing Cloth or Paper Impregnated With 1, 1, 1-trichloroethane (basis: BAAQMD Regulation 8-1-320)	Y	

IV. Source-Specific Applicable Requirements ~~(continued)~~

ConditionPart 83	1, 1, 1-trichloroethane Records, Five-Year Maintenance (basis: BAAQMD Regulation 8-16-501)	Y	
ConditionPart 38a	1, 1, 1-trichloroethane Records, Daily Usage (basis: cumulative increase)	N	
ConditionPart 38b	1, 1, 1-trichloroethane Records, VOC Content (basis: BAAQMD Regulation 8-4-501.1)	Y	

IV. Source-Specific Applicable Requirements ~~(continued)~~

Table IV-FG
S-52, Abrasive Blasting Facility
S-53, Hopper & Cleaners
S-54, Conveyor System

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 Number 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 Number 1 Limitation (9/5/79)	Y⁺	
BAAQMD Condition #7512	Permit Conditions		
ConditionPart 1	Ringelmann Limit (basis: cumulative increase)	Y	
ConditionPart 2	Aluminum Oxide Monthly Usage Limit (basis: cumulative increase)	Y	
ConditionPart 3	Abrasive Blasting Material Daily Usage Limit (basis: cumulative increase)	Y	
ConditionPart 4	Dust Collector System Requirement (basis: cumulative increase)	Y	
ConditionPart 5	Particulate Loading Limit (basis: cumulative increase)	Y	
ConditionPart 6	Records (basis: cumulative increase)	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 **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 # 6062

For S-50 Paint Spraying, Facility-Wide

1. Total paint usage shall not exceed 1095 gallons in any consecutive 12 month period. (Basis: cumulative increase)
2. Total cleanup solvent usage shall not exceed 100 gallons in any consecutive 12 month period. (Basis: cumulative increase)
3. The maximum VOC content of any coating, as applied, shall not be greater than 2.8 lb/gal. (Basis: **BAAQMD Regulation 8-19-302.2 cumulative increase**)
4. Catalysts, hardeners, reducers, thinning solvents, and other components shall only be added to coating in proportions not exceeding the manufacturer's recommendations for the coatings complying with Regulation 8, Rule 19 - Surface Coating of Miscellaneous Metal Parts and Products, Rule 23 - Coating of Flatwood Paneling, and Rule 31 - Surface Coating of Plastic Parts and Products. (Basis: Regulation 8-19-501.2)

VI. Permit Conditions ~~(continued)~~

~~A. Source Specific Permit Conditions (continued)~~

Condition # 6062 (continued)

For S-50 Paint Spraying, Facility-Wide

5. Usage of all coatings and cleanup solvents shall be recorded in the District-approved log and retained for at least five years from the date of entry. This log will contain the following information:
 - a) Coating, catalysts, and reducers used (product identification numbers),
 - b) mix ratio of components used,
 - c) VOC content of coating as applied,
 - d) quantity of coating applied,
 - e) type and amount of all surface preparation and clean up solvents used at this source.

This log shall be kept on site and made available to the District staff on request.
(Basis: BAAQMD Regulation 8-19-501)

~~For S-51 Wipe Cleaning, Facility-Wide~~

~~*61.* Total amount of 1,1,1-trichloroethane used at this source shall not exceed 55 gallons in any consecutive 12-month period or previous 12 (twelve) months. (Basis: cumulative increase)~~

~~72. Cloth or paper impregnated with 1,1,1-trichloroethane shall be stored or disposed of in closed containers. (Basis: BAAQMD Regulation 8-1-320)~~

~~38. Fresh or spent 1,1,1-trichloroethane shall be recorded in a District approved log and retained for at least five years from the date of entry. This log will contain the following information: (basis: BAAQMD Regulation 8-16-501)~~

~~a)* Daily amount of 1,1,1-trichloroethane used, (basis: cumulative increase)~~

~~b) Volatile organic compound (VOC) content of 1,1,1-trichloroethane. (Basis: BAAQMD Regulation 8-4-501.1)~~

~~— This log shall be kept on site and made available to District staff on request. (Basis: BAAQMD Regulation 8-4-501 & 8-16-501)~~

VI. Permit Conditions ~~(continued)~~

~~A. Source Specific Permit Conditions (continued)~~

Condition # 7512

For S-52, Abrasive Blasting Facility

S-53, Hopper & Cleaners

S-54, Conveyor System

A-52, Dust Collector System

1. Visible particulate emissions from this blasting facility, including S-52, S-53, S-54, and A-52, shall not exceed Ringelmann 1.0 or result in fallout on adjacent property in such quantities as such to cause public nuisance per Regulation 1-301. (Basis: cumulative increase)
2. The total amount of abrasive used at Abrasive Blasting Facility (S-52, S-53, and S-54) shall not exceed 1,700 tons of aluminum oxide during any consecutive 12 month period. (Basis: cumulative increase)
3. The total amount of abrasive used at S-52, S-53, and S-54 shall not exceed 13.1 tons during any day. (Basis: cumulative increase)
4. Emissions from Abrasive Blasting Facility S-52, S-53, and S-54 shall be abated by the properly maintained Dust Collector System, A-52, at all times that S-52, S-53, and or S-54 are in operation. A District-approved dust collector failure warning device must be in operation at all such times. (Basis: cumulative increase)
5. The particulate loading at the exit of A-52, dust collector, shall not exceed 0.002 grain/dscf. (Basis: cumulative increase)
- *6.* Within 60 days of startup of S-52, S-53, S-54, and A-52, the owner or operator shall perform a source test, approved by the District's Source Test Manager, on S-52, S-53, S-54, and A-52 to determine compliance with **ConditionPart** 5 above. The source test shall be conducted with S-52, S-53, and S-54 operating at the full rated capacity of 1.31 ton/hour. (Basis: performance testing)

VI. Permit Conditions ~~(continued)~~

~~**A. Source Specific Permit Conditions** (continued)~~

Condition # 7512 (continued)

For S-52, Abrasive Blasting Facility
S-53, Hopper & Cleaners
S-54, Conveyor System
A-52, Dust Collector System

7. In order to demonstrate compliance with the above conditions, the owner/operator of S-52, S-53, S-54, and A-52 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 years from the date that the record was made.
 - a) Daily throughput of abrasive blasting material, summarized on a monthly basis.
 - b) Daily hours of operation, summarized on a monthly basis. (basis: cumulative increase)

Condition #15816

For: S-10, S-11, S-12, S-13, S-14, and S-15 - {Gas Turbines}

1. For each emission point at S-10, S-11, S-12, S-13, S-14, and S-15 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, ~~302-2-6-501503~~]
 - 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:
 - (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

VI. Permit Conditions ~~(continued)~~

~~A. Source Specific Permit Conditions (continued)~~

Condition #15816 (continued)

For S-10, S-11, S-12, S-13, S-14, and S-15 - ~~{Gas Turbines}~~

- ~~(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 turbine covered by ~~permit condition~~ **Part no. 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

VI. Permit Conditions ~~(continued)~~

~~**A. Source Specific Permit Conditions** (continued)~~

Condition #15816 (continued)

For S-10, S-11, S-12, S-13, S-14, and S-15 - ~~{Gas Turbines}~~

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

- 3a. **The owner/operator shall abate S-10, S-11, S-12, S-13, S-14, and S-15 ~~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. [Basis: District Regulation 9-9-302]**
- 3b. **The owner/operator shall measure the water-to-fuel ratio during operation on a continuous basis. (basis: District Regulation 2-6-503, 40 CFR 64)**
- 3c. **The owner/operator shall record the water-to-fuel ratio during operation on at least a daily basis. (basis: District Regulation 2-6-503, 40 CFR 64)**
- 3c. **The water and fuel meters shall be accurate to within plus or minus 5 percent. (basis: 40 CFR 64)**
- 3d. **The water and fuel meters shall be calibrated every two years using the meter manufacturer's specifications for calibration. (basis: 40 CFR 64)**
- 3e. **A weight ratio of water to fuel that is less than 0.55 during normal operation shall be considered an exceedance and shall be reported to the District in accordance with Standard Condition I.F. (basis: Regulation 2-6-502)**
- 4a. **S-10, S-11, S-12, S-13, S-14, and S-15 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 a vendor certification of the sulfur content of the fuel.~~ [Basis: District Regulation 2-6-503, 9-1-304]**

VI. Permit Conditions ~~(continued)~~

~~**A. Source Specific Permit Conditions** (continued)~~

- 4b. All shipments of fuel oil to the facility shall have either a vendor certification or a laboratory analysis of the sulfur and nitrogen content of the fuel. A composite sample shall be used for the analysis. (basis: District Regulation 2-6-503, 40 CFR 64)**
5. S-10, S-11, S-12, S-13, S-14, and S-15 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 **and nitrogen** content of the fuel fired.
 - c. The total number of hours of operation **for each calendar year**, totaled on a monthly basis.
 - d. Any source test**
 - e. Any corrective actions taken**
- 7. The owner/operator shall conduct source testing in accordance with the District's Manual of Procedures to confirm compliance at the water-to-fuel ratio of 0.55 on a weight basis and at the current fuel nitrogen content. The owner/operator shall conduct the testing within the first 877 hours of operation after issuance of the renewal permit or two years after issuance of the renewal permit, whichever is earlier. The owner/operator shall submit a testing protocol to the Manager of the District's Source Test Section at least seven (30) days prior to the test for review. The owner/operator shall notify the Manager of the District's Source Test Section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. The test shall be used to set a limit for the**

VI. Permit Conditions ~~(continued)~~

~~A. Source Specific Permit Conditions (continued)~~

~~maximum nitrogen content in fuel oil. The limit shall be inserted in the permit using minor revision procedures pursuant to BAAQMD Regulation 2-6-414. If a turbine has not operated during the permit term, testing is not required. (basis: Regulations 2-1-403, 2-6-503) Within 1 month of issuance of the renewal of the Title V permit, the permit holder shall analyze a sample of the distillate oil in each fuel oil tank for sulfur content to ensure compliance with part 4 of this condition and Regulation 9-1-304. The sample shall be analyzed using District Method 10, Determination of Sulfur in Fuel Oils. The results of the analysis shall be sent to the Director of Enforcement at the District. All subsequent shipments of fuel oil to the facility shall have a vendor certification of the sulfur content of the fuel. (Basis: 2-6-409.2)~~

Condition #16328

For S-1 [Boiler]

1. To demonstrate compliance with the fuel sulfur limit of 0.5% by weight in District Regulation 9-1-304, every delivery of fuel oil received shall be accompanied by either 1) a vendor certification of sulfur content or 2) a written certification stating the fuel oil meets the 0.5% by weight maximum allowable sulfur content standard, or 3) test results showing sulfur content from a District-approved test. The certifications or test results shall be maintained onsite for at least 5 years and shall be made available to the District upon request. (Basis: 2-6-409.2, 2-6-501)

~~[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.]~~

VI. Permit Conditions ~~(continued)~~

~~A. Source Specific Permit Conditions (continued)~~

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 NOx 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.* Boiler S-1 shall burn only natural gas unless the gaseous fuel is not available because of a force majeure natural gas curtailment.~~

Condition #16328

~~For S-1 [Boiler]~~

~~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.~~

VI. Permit Conditions ~~(continued)~~

~~A. Source Specific Permit Conditions (continued)~~

~~[Basis: CEQA]~~

~~3.* Boiler S-1 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, 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]

Condition #16328

~~For S-1 [Boiler]~~

~~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 Boiler S-1, except during startup or shutdown periods, shall not exceed the following limits:~~

VI. Permit Conditions ~~(continued)~~

A. Source Specific Permit Conditions ~~(continued)~~

~~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 Boiler S-1, 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]~~

~~7.* For the purposes of compliance with the emission limits in Condition Nos. 3, 4, 5, and 6, the duration of each startup period 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 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 NOx and CO emission limits in Condition Nos. 3 and 5, respectively, the owner and/or operator of Boiler S-1 shall install, maintain, and operate District approved, in stack, continuous emission monitoring systems (CEMS) for NOx, CO, and O₂ or CO₂ (in lieu of O₂). [Basis: CEQA]~~

~~10.* To demonstrate compliance with the systemwide NOx emission limits in Condition No. 3, the owner and/or operator of Boiler S-1 shall install, maintain, and operate a District approved, non-resettable, totalizing and continuous recording fuel meter in each fuel line of the boiler.~~

~~[Basis: CEQA]~~

VI. Permit Conditions ~~(continued)~~

~~**A. Source Specific Permit Conditions** (continued)~~

~~11.* To demonstrate compliance with the ammonia emission limit in Condition No 6, the owner and/or operator of Boiler S-1 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 NOx emission control device. [Basis: CEQA]~~

~~12.* In order to demonstrate compliance with all of the above conditions, the owner and/or operator of Boiler S-1 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 NOx, CO, and O₂ or CO₂.~~
- ~~c. Source test measurements for NOx, 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 NOx emission rate, as prescribed in Condition Nos. 1, 3, and 4. [Basis: CEQA]~~

Condition 21294
For: S1, Boiler

Mirant Potrero Reg. 2-9 Alternative Compliance Plan
Application No. 8260 (2/04)

- 1. The owner/operator shall operate a continuous emission monitor system (CEMS) to measure the NOx and the O₂ or CO₂ concentrations from source S-1, Boiler 3-1 at Potrero Power Plant, and each of the other nine five remaining sources operating under the Advanced Technology Alternative**

VI. Permit Conditions ~~(continued)~~

~~A. Source Specific Permit Conditions (continued)~~

Emission Control Plan (ATAECP) of Reg. 9-11.

*2. The owner/operator shall calculate the following on an hourly basis, for each of the ~~ten~~ six sources operating under the ATAECP:

- a. NOx emissions (lbs)
- b. heat release (million BTU, MMBTU)
- c. emission rate (lb/MMBTU)
- d. total emissions from all sources (lbs)
- e. total heat release from all sources (MMBTU)
- f. system-wide average emission rate (lb/MMBTU)
- g. excess emissions from S-1 Potrero, relative to Reg. 9-11-309 limit (lbs)
- h. total excess emissions from system, relative to Reg. 9-11-309 limit (lbs)
- i. amount of IERCs used for the hour (lbs) to comply with Reg. 9-11
- j. adjusted system-wide emission rate after deducting IERCs (lb/MMBTU)
- k. compliance determination with Reg. 9-11-309
- l. amount of IERCs including 10% Environmental Benefit Surcharge
- m. running total of Remaining IERCs available for use

The procedures in Reg. 9-11-309.2 shall be used for startup, shutdown, out of service, natural gas curtailment and testing.

*3. To show compliance with this ACP and with Rule 9-11, the owner/operator shall keep a spreadsheet of the above calculations, in a District approved format. (Table 3 of the Engineering Evaluation Report AN 6811 is an example of a District approved daily summary spreadsheet format).

*4. The owner/operator shall maintain the records of continuous emission monitoring (NOx and O₂ or CO₂) and fuel usage records for all ~~ten~~ six remaining sources under the ATAECP 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 NOx in ppmvd and pounds per hour, and O₂ or CO₂ in percent.
- ii. The type, quantity (Btu/hr), and higher heating value of fuel burned on an hourly basis.

VI. Permit Conditions ~~(continued)~~

~~A. Source Specific Permit Conditions (continued)~~

- 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.
- *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.
- *6. The owner/operator shall submit an annual reconciliation report to the APCO within 30 days of the end of 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.

Condition 21338

**For: S25, Foam House No. 1 Diesel Fire Pump (East)
S30, Foam House No. 2 Diesel Fire Pump (West)**

1. To demonstrate compliance with the fuel sulfur limit of 0.5% by weight in District Regulation 9-1-304, every delivery of diesel fuel received shall be accompanied by either 1) a vendor certification of sulfur content or 2) a written certification stating the diesel meets the CARB 500 ppmw maximum sulfur content standard, or 3) test results showing sulfur content from a District-approved test. The certifications or test results shall be maintained onsite for at least 5 years and shall be made available to the District upon request. (Basis: 2-6-409.2, 2-6-501)

VI. Permit Conditions ~~(continued)~~

~~A. Source Specific Permit Conditions~~ ~~(continued)~~

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 cods:~~ annual (A), quarterly (Q), monthly (M), **weekly (W)**, daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII-A
S-1, Utility Boiler 3-1

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
TSP Opacity	BAAQMD 6-301	NY		Ringelmann No. 1 for no more than 3 min/hr		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 for no more than 3 min/hr		C	COM
FP	BAAQMD 6-310.3	Y		0.15 grains/dscf @ 6% O ₂		N	
	SIP 6-304	Y		Ringelmann No. 1		C	COM
PM	40 CFR 75	Y		None	40 CFR 75	C	COM
SO ₂	BAAQMD 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
S-1, Utility Boiler 3-1

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
	BAAQMD 9-1-302	Y		300 ppmvd, when burning natural gas		N	
	BAAQMD 9-1-304	Y		Sulfur content of non-gaseous fuel <0.5% by weight, when burning fuel oil	BAAQMD Condition 16328, part 1	N/P/E	Fuel certification
SO ₂	SIP 9-1-301	Y		Federal std: GLC⁺ of 140 ppb, 24 hr average, once/yr and 30 ppb, annual average State std: GLC⁺ of 40 ppb, 24 hr average, and 250 ppb, 1 hr average		N	
SO ₂	40 CFR 75	Y		None	40 CFR 75.11(d)(2) and Appendix D to 40 CFR 75	P/D (fuel oil only) P/H	fuel analysis fuel flow measurements, SO ₂ calculations
NO _x	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 based on a clock hour average		C	CEMS

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

**Table VII-A
 S-1, Utility Boiler 3-1**

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
	BAAQMD 9-3-302	Y		heat input weighted average of emissions when natural gas and oil fired simultaneously		C	CEMS
NO _x	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
NO _x	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
	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

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

**Table VII-A
 S-1, Utility Boiler 3-1**

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
	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
	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
NO _x	BAAQMD Permit Condition 16328, #3	N		0.188 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16328, #3	N		0.160 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16328, #3	N		0.115 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16328, #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 16328, #3	N	1/1/02	0.057 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
S-1, Utility Boiler 3-1

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
	BAAQMD Permit Condition 16328, #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 16328, #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
CO	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
	BAAQMD Permit Condition 16328, #5a	N		400 ppmv @ 3% O₂ (dry basis) during steady state compliance tests	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16328, #5b	N		1000 ppmv @ 3% O₂ (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
(continued)

Table VII-A
S-1, Utility Boiler 3-1

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
Ammonia	BAAQMD 9-11-311	Y		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 16328, #6	N		10 ppmv @ 3% O₂ (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 hours		N	N/A
O ₂ or CO ₂	40 CFR 75	Y		None	40 CFR 75	C	CEMS

Table VII-B
S-10, Gas Turbine Unit No. 4-Engine "A"
S-11, Gas Turbine Unit No. 4-Engine "B"
S-12, Gas Turbine Unit No. 5-Engine "A"
S-13, Gas Turbine Unit No. 5-Engine "B"
S-14, Gas Turbine Unit No. 6-Engine "A"
S-15, Gas Turbine Unit No. 6-Engine "B"

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

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
TSP Opacity	BAAQMD 6-301	N		Ringelmann No. 1 for no more than 3 min/hr	BAAQMD permit- condition 15816, Parts 1, 2	P/D Daily when in use	Visual Inspection and record keeping
FP	BAAQMD 6-310.3	N		0.15 grains/dscf @ 6% O ₂		N	
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD- permit- condition- 15816 parts 1, 2	P/D Daily when in use	Visual- Inspection- and record- keeping
SO ₂	BAAQMD 9-1-301	NY		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	
SO ₂	BAAQMD 9-1-304	Y		Sulfur content of non- gaseous fuel <0.5% by weight	BAAQMD condition #15816, parts 4 and 67	P/E	fuel analysis certification or analysis
	SIP 9-1-301	N		Federal std: GLC¹ of 140 ppb, 24 hr average, once/yr and 30 ppb, annual average State std: GLC¹ of 40 ppb, 24 hr average, and 250 ppb, 1 hr average		N	
NO _x	BAAQMD 9-9-302 & BAAQMD permit- condition- 15816 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 15816, parts 3 and 6	P/D Daily when in use	Water-to fuel monitoring, Record- keeping

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

Table VII-B

S-10, Gas Turbine Unit No. 4-Engine "A"
S-11, Gas Turbine Unit No. 4-Engine "B"
S-12, Gas Turbine Unit No. 5-Engine "A"
S-13, Gas Turbine Unit No. 5-Engine "B"
S-14, Gas Turbine Unit No. 6-Engine "A"
S-15, Gas Turbine Unit No. 6-Engine "B"

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
Hours of operation	BAAQMD 9-9-302 & BAAQMD condition 15816, part 5	Y		operation less than 877 hours per calendar year	BAAQMD condition 15816, part 6	P/D Daily when in use	Record- keeping
Lead	BAAQMD 11-1-301	Y		6.75 kg/day		N	
	BAAQMD 11-1-302	Y		1.0 microgram/m ³ averaged over 24 hours		N	
Water injection rate	Record- keeping BAAQMD condition 15815, part 3	Y		Weight ratio of water to fuel not less than 0.55	BAAQMD permit condition 15816 part 63	P/D Daily when in use	Record- keeping
Fuel oil restriction	BAAQMD permit- condition 15816, part 4	Y		Use of No. 2 or lighter oil.	BAAQMD permit condition 15816, part 6	P/D Daily when in use	Record- keeping

Table VII-C

S25, Foam House No. 1 Diesel Fire Pump (East)
S30, Foam House No. 2 Diesel Fire Pump (West)

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
<u>Hrs of Operation</u>	<u>BAAQMD 9-8-330</u>	<u>N</u>		<u>100 hours/calendar year</u>	<u>BAAQMD 9-8-530</u>	<u>P</u>	<u>Records</u>
<u>Diesel Sulfur Content</u>	<u>BAAQMD 9-1-304</u>	<u>N</u>		<u>0.5% by weight</u>	<u>Condition 21338</u>	<u>P/E</u>	<u>Certification of diesel sulfur content</u>
<u>Opacity</u>	<u>BAAQMD 6-303</u>	<u>Y</u>		<u>> Ringelmann 2.0 for no more than 3 min in any hour</u>		<u>N</u>	
<u>FP</u>	<u>BAAQMD 6-310</u>	<u>Y</u>		<u>0.15 gr/dscf</u>		<u>N</u>	

Table VII-~~CD~~
S-27, Oily-Water Separator

Pollutant Type of Limit	Emission-Limit Citation of Limit	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-112	Y	current	1.0 ppm critical organic compounds @ 68° —F	N/A	P/ Semi-annual	Sampling

Table VII-~~DE~~
S-50, Paint Spraying, Facility-Wide

Pollutant Type of Limit	Emission-Limit Citation of Limit	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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VII. Applicable Emission Limits & Compliance Monitoring Requirements
(continued)

Table VII-DE
S-50, Paint Spraying, Facility-Wide

Pollutant	Emission-Limit	FE	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Type of Limit	Citation of Limit	Y/N					
VOC	BAAQMD 8-3-301	N		Coatings (gr VOC per liter) flat: 100 non-flat: 150 non-flat, high-gloss: 250	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		antifouling: 400 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		bond breakers: 350 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		Clear wood coatings: clear brushing lacquer: 680 gr VOC per liter lacquer including lacquer sanding sealer: 550 gr VOC per liter sanding sealer: 350 gr VOC per liter varnish: 350 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		fire-resistive: 350 gr VOC per liter fire-retardant, clear: 650 gr VOC per liter fire-resistive, opaque: 350 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
VOC	BAAQMD 8-3-301	N		flow: 420 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling

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

Table VII-DE
S-50, Paint Spraying, Facility-Wide

Pollutant Type of Limit	Emission- Limit- Citation of Limit	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-3-301	N		form-release: 250 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		graphic arts: 500 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	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		mastic texture: 300 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		metallic pigmented: 500 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		multi-color: 250 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		pre-treatment wash primer: 420 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
	BAAQMD 8-3-301	N		recycled: 250 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling

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

**Table VII-DE
 S-50, Paint Spraying, Facility-Wide**

Pollutant Type of Limit	Emission- Limit- Citation of Limit	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-3-301	N		rust preventative: 400 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
VOC	BAAQMD 8-3-301	N		Shellacs: clear shellac: 730 gr VOC per liter opaque shellac: 550 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		Stains: 350 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	BAAQMD 8-3-301	N		temp. indicator safety: 550 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
	BAAQMD 8-3-301	N		wood preservatives, above and below ground: 350 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling

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

**Table VII-DE
 S-50, Paint Spraying, Facility-Wide**

Pollutant Type of Limit	Emission- Limit- Citation of Limit	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation- 8-19-302.2 And BAAQMD Permit Condition 6062 part 3	Y		content of air dried coating < 2.8 lb/gal	Regulation BAAQMD 8-19-501	P/EW	Records
	BAAQMD Regulation- 8-19-312	Y		content of coatings < specified-3.5 lb VOC/gal content	Regulation BAAQMD 8-19-501	P/EW	Records
	BAAQMD 8-19-320.2	Y		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	BAAQMD 8-19-501	P/M	Records
	BAAQMD 8-19-321	Y		Surface preparation solvent < 0.42 lb VOC/gal	BAAQMD 8-19-501	P/M	Records
	BAAQMD- Regulation- 8-23-301	Y		content of coatings < 2.1 lb/gal	Regulation 8-23-501	P/E	Records
	BAAQMD Regulation- 8-31-302	Y		content of coatings < specified 2.8 lb VOC/gal content	Regulation BAAQMD 8-31-501	P/EW	Records

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

Table VII-DE
S-50, Paint Spraying, Facility-Wide

Pollutant Type of Limit	Emission- Limit- Citation of Limit	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-31-306.1	Y		content of coatings < specified VOC content flexible primer < 4.1 lb/gal excluding water	Regulation BAAQMD 8-31-501	P/EW	Records
	BAAQMD 8-31-306.2	Y		Color topcoat < 3.8 lb VOC/gal, excluding water	BAAQMD 8-31-501	P/W	Records
	BAAQMD 8-31-306.3	Y		Base coat/clear coat (combined system) < 4.5 lb VOC/gal, excluding water	BAAQMD 8-31-501	P/W	Records
	BAAQMD Regulation- 8-31-309.2	Y		content of conductive coatings < specified 2.7 lb VOC/gal- content	Regulation BAAQMD 8-31-501	P/EW	Records
	BAAQMD 8-31-309.3	Y		Metallic topcoat < 3.5 lb VOC/gal	BAAQMD 8-31-501	P/W	Records
	BAAQMD 8-31-309.4	Y		Extreme performance coating < 6.2 lb VOC/gal	BAAQMD 8-31-501	P/W	Records
	BAAQMD 8-31-309.5	Y		High gloss < 3.5 lb VOC/gal	BAAQMD 8-31-501	P/W	Records
	BAAQMD 8-31-320.2	Y		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	BAAQMD 8-31-501	P/M	Records

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

Table VII-DE
S-50, Paint Spraying, Facility-Wide

Pollutant	Emission-Limit	FE	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 8-31-321	Y		Surface preparation solvent < 0.42 lb VOC/gal	BAAQMD 8-31-501	P/M	Records
	BAAQMD Condition 6062, part 3	Y		coating < 2.8 lb VOC/gal	BAAQMD Condition 6062 part 5	P/E	Records
Paint Usage	BAAQMD Permit, Condition 6062, part 1	Y		1095 gallons/yr in any 12 consecutive months	BAAQMD Permit-Condition 6062, part 5	P/E	Records
Cleanup Solvent Usage	BAAQMD Permit, Condition 6062, part 2	Y		100 gallons/yr in any 12 consecutive months	BAAQMD Permit-Condition 6062, part 5	P/E	Records

Table VII-E
S-51, Wipe Cleaning, Facility-Wide

Pollutant	Emission-Limit Citation	FE	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-16-304	Y		Trichloroethylene usage ≤ 3.2 gallons-per-day	8-16-501	P/E	Records
1,1,1-trichloroethane	BAAQMD Permit-Condition 6062-part 1	N		55 gallons in any 12 consecutive months	BAAQMD Permit-Condition 6062-part 3	P/E	Records

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

Table VII-F
S-52, Abrasive Blasting Facility
S-53, Hopper and Cleaners
S-54, Conveyor System

Pollutant Type of Limit	Emission-Limit Citation of Limit	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP Opacity	BAAQMD Regulation 6-301 And BAAQMD Permit Condition 7512 part 1	Y		Ringelmann No. less than 1 for more than 3 minutes/hr	BAAQMD Permit Condition 7512, part 4	C	Differential Pressure Failure Warning System
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Permit Condition 7512, part 4	NC	Differential Pressure Failure Warning System
	BAAQMD Regulation 6-311	Y		No emissions from source > rate (lb/hour)	BAAQMD Permit Condition 7512, part 4	NC	Differential Pressure Failure Warning System
	SIP 6-301	Y		Ringelmann No. 1		C	Differential Pressure Failure Warning System

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

Table VII-F
S-52, Abrasive Blasting Facility
S-53, Hopper and Cleaners
S-54, Conveyor System

Pollutant Type of Limit	Emission-Limit Citation of Limit	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Permit Condition 7512 part 1	Y		Particulate loading < 0.002 grain/dscf	BAAQMD Permit Condition 7512, part 4	NC	Differential Pressure Failure Warning System
Abrasive Usage	BAAQMD Permit Condition 7512 parts 2 and 3	Y		1,700 tons/yr and 13.1 tons/day	BAAQMD Permit Condition 7512 part 6	P/E	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 or EPA Reference Method 5 (40 CFR 60, Appendix A), Determination of Particulate Emissions from Stationary Sources
SIP Regulation 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
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 8-5-117	Storage of Organic Vapor Liquids; Exemption, Low Vapor Pressure	District Manual of Procedures, Volume III, Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks

VIII. Test Methods (continued)

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 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
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

VIII. Test Methods (continued)

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 8-23-301	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 8-31-302	VOC Limit	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 III, Method 31, Determination of Precursor Organic Compounds in Paint Strippers for Aerospace Assembly and Component Coating Operations
BAAQMD Regulation 8-31-306	Flexible Coatings	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 8-31-309	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 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

VIII. Test Methods (continued)

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
BAAQMD 9-9-302	NOx Emissions from Stationary Gas Turbines	District Manual of Procedures, Volume IV, ST-13A or B, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen
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

VIII. Test Methods (continued)

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
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 16328, #part 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 16328, #part 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 16328, #part 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 16328, #part 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.~~ **Mirant Potrero, LLC**
Potrero Power Plant
~~1201-A Illinois Street P.O. Box 192~~
~~San Francisco, CA 94107~~ **Pittsburg, CA 94565**

PLANT SITE LOCATION:

~~1201-A~~ **Illinois Street**
San Francisco, CA 94107

ISSUED BY:

~~William C. Norton~~ **Jack P. Broadbent**, Executive Officer/ _____ Date
Air Pollution Control Officer

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

DESIGNATED REPRESENTATIVE:

Name: ~~Mark A. Gouveia~~ **Anne M. Cleary**
Title: ~~Production Manager~~ **Vice President, Mirant Americas, Inc.**
Phone: (925) ~~427-3510~~ **287-3117**

ALTERNATE DESIGNATED REPRESENTATIVE:

Name: ~~Ronald M. Kino~~ **J. Michael Childers**
Title: ~~Vice President, Environmental~~ **Health and Safety Manager**
Phone: (925) ~~427-3545~~ **(678) 579-7112**

ACID RAIN PERMIT CONTENTS

IX. Acid Rain ~~Permit~~ (continued)

- 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 he 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
		2004	2005	2006	2007	2008
	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA 321*	NA 321*	321*	321*	321*
BOILER 3-1 BAAQMD S-1	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.				

~~*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. Neither of the aforementioned conditions and would not~~ necessitate a revision to the unit SO₂ allowance allocations identified in this permit.

IX. Acid Rain ~~Permit~~ (continued)

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

X. Glossary (continued)

Continuous Opacity Monitor

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

Federally Enforceable, FE

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

FP

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

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 any regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3)

X. Glossary (continued)

~~at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.~~

~~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

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

X. Glossary ~~(continued)~~

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.

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from Titles IV and V of the Clean Air Act.

~~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

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.

X. Glossary (continued)

TRMP
Toxic Risk Management Plan

TSP
 Total Suspended Particulate

VOC
 Volatile Organic Compounds

Units of Measure:

BTU	=	British Thermal Unit
bhp	=	brake-horsepower
btu	=	British Thermal Unit
C	=	degrees Celsius
dscf	=	dry standard cubic feet
F	=	degrees Fahrenheit
ft³	=	cubic feet
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
gr	=	grain, when referring to particulate; gram, when referring to VOC
hp	=	horsepower
hr	=	hour
in	=	inches
lb	=	pound
max	=	maximum
min	=	minute
MM	=	million
mm	=	millimeter
MW	=	megawatts
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

X. Glossary (continued)

Symbols:

$<$	=	less than
$>$	=	greater than
\leq	=	less than or equal to
\geq	=	greater than or equal to

XI. 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~~

Facility Name: ~~Southern Energy Delta, L.L.C.,~~ **Mirant** Potrero ~~Power Plant LLC~~
Permit for Facility #: A0026
~~Expiration Date: September 14, 2003~~
ID: ~~WNL~~

XII. TITLE IV PERMIT APPLICATION