Bay Area Air Quality Management District

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

FINAL

MAJOR FACILITY REVIEW PERMIT

Issued To:

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	Secondary Responsible Official	Facility Contact
James P. Garlick Vice President, Operations (678) 579-5040	Robert E. Driscoll Senior Vice President & Head of Asset Management, US Region (678) 579-5744	David A. Hansell Plant Manager (415) 695-2607

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

BAAQMD Engineering Division Contact:
Brian Lusher

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jack P. Broadbent _____ August 16, 2007
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/1/01);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/01);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 8/1/01);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);
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 February 9, 2005 and expires on January 31, 2010. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than July 31, 2009 and no earlier than January 31, 2009. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** January 31, 2010. If the permit renewal has not been issued by January 31, 2010, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)

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

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or

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condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

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

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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 September 18, 2004 through March 18, 2005. The first report shall be due on April 18, 2005. The second reporting period shall be March 18, 2005 through August 31, 2005. Subsequent reports shall be for the following periods: September 1st through February 28th or 29th and March 1st through August 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 September 1st to August 31st. The certification shall be submitted by September 30th of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated compliance certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

I. Standard Conditions

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 by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)

3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement 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

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

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

1. The permit holder shall hold one sulfur dioxide allowance for each ton of sulfur dioxide emitted during the calendar year on March 1st of the following year (or February 29th in

I. Standard Conditions

any leap year or if such day is not a business day, the first business day thereafter). (MOP Volume II, Part 3, §4.9, 40 CFR 72.2, Allowance Transfer Deadline)

2. The equipment installed for the continuous monitoring of CO2 or O2 and NOx 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 NOx 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, S1. 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
S1	Boiler No. 3-1 Electric Generation; Gas and Oil Fired	Riley Stoker Corporation	Turbo Furnace	2150 MMbtu/hr
S10	Gas Turbine Unit No. 4 - Engine "A" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	28 MW 2762 gal/hr 406 MMbtu/hr
S11	Gas Turbine Unit No. 4 - Engine "B" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	28 MW 2762 gal/hr 406 MMbtu/hr
S12	Gas Turbine Unit No. 5 - Engine "A" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	28 MW 2762 gal/hr 406 MMbtu/hr
S13	Gas Turbine Unit No. 5 - Engine "B" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	28 MW 2762 gal/hr 406 MMbtu/hr
S14	Gas Turbine Unit No. 6 - Engine "B" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	28 MW 2762 gal/hr 406 MMbtu/hr
S15	Gas Turbine Unit No. 6 - Engine "B" with water injection; Oil Fired	Turbo Power and Marine	FT4-CIDLF	28 MW 2762 gal/hr 406 MMbtu/hr
S25	Foam House No. 1 Diesel Fire Pump (East)	Cummins	NT-855-F2	290 hp
S27	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
S50	Paint Spraying, Facility-Wide	various spray guns		
S52	Abrasive Blasting Facility	custom design		20' x 20' x 50'
S53	Hopper and Cleaners	Clemco	custom designed	
S54	Conveyor System	custom design		

II. Equipment List

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 6-301		Ringelmann 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.

NOTE:
There are differences between current BAAQMD rules and versions of the rules in the SIP. 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
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (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

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	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 (7/17/02)	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.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	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. 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 IERCs	N	
2-9-303	Alternative Compliance Plan using IERCs	N	
2-9-304	Restrictions on the Use of IERCs	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

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-B
Source-specific Applicable Requirements
S1, 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 (5/2/01)**		
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	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y[1]	

IV. Source Specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S1, Utility Boiler 3-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522.7	emission limit exceedance reporting requirements	Y[1]	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	
6-401	Appearance of Emissions (when burning fuel oil)	Y	
6-501	Sampling Facilities and Instruments Required	Y	
6-502	Data, Records and Reporting	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 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 (5/17/00)**		
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	

IV. Source Specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S1, Utility Boiler 3-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-11-309	Advanced Technology Alternative Emission Control Plan	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.037 lb/MMBTU	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.018 lb/MMBTU	N	1/1/05
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	
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	

IV. Source Specific Applicable Requirements

Table IV-B
Source-specific Applicable Requirements
S1, Utility Boiler 3-1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
11-1-302	Ground level Concentration Limit Without Background	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR Part 72	**Title IV – Acid Rain Program**	Y	
40 CFR Part 75	**Code of Federal Regulations, Continuous Emissions Monitoring**	Y	
BAAQMD Condition #16328	**Permit Conditions**		
Part 1	Fuel oil less than 0.5% sulfur by wt demonstration options (Basis: 2-6-409.2, 2-6-501)	Y	
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

Table IV-C
S10 Gas Turbine Unit No. 4-Engine "A"
S11 Gas Turbine Unit No. 4-Engine "B"
S12 Gas Turbine Unit No. 5-Engine "A"
S13 Gas Turbine Unit No. 5-Engine "B"
S14 Gas Turbine Unit No. 6-Engine "A"
S15 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	Y[1]	
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 9	**Inorganic Gaseous Pollutants, Nitrogen Oxides From Stationary Gas Turbines (9/21/94)**		
9-9-114	Exemption, Start-up and Shutdown Periods	Y	
9-9-302	Emission Limits, Low Usage	Y	

IV. Source Specific Applicable Requirements

Table IV-C
S10 Gas Turbine Unit No. 4-Engine "A"
S11 Gas Turbine Unit No. 4-Engine "B"
S12 Gas Turbine Unit No. 5-Engine "A"
S13 Gas Turbine Unit No. 5-Engine "B"
S14 Gas Turbine Unit No. 6-Engine "A"
S15 Gas Turbine Unit No. 6-Engine "B"

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

IV. Source Specific Applicable Requirements

Table IV-C
S10 Gas Turbine Unit No. 4-Engine "A"
S11 Gas Turbine Unit No. 4-Engine "B"
S12 Gas Turbine Unit No. 5-Engine "A"
S13 Gas Turbine Unit No. 5-Engine "B"
S14 Gas Turbine Unit No. 6-Engine "A"
S15 Gas Turbine Unit No. 6-Engine "B"

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD Condition #15816	**Permit Conditions**		
Part 1	Visible emissions monitoring (Basis: 6-301, 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: 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	

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

IV. Source Specific Applicable Requirements

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	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants (8/1/01)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
BAAQMD Condition #21338	**Permit Conditions**		
Part 1	Diesel Fuel Delivery Records to State Sulfur Content (Basis: 2-6-409.2; 2-6-501)	Y	

IV. Source Specific Applicable Requirements

Table IV-E
S27, 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-F
S50, 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	
8-3-309	Limited Allowance, Industrial Maintenance Coatings	Y	
8-3-401	Container Labeling Requirements	Y	

IV. Source Specific Applicable Requirements

Table IV-F
S50, Paint Spraying, Facility-Wide

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (10/16/02)**		
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	N	
8-19-308	Compliance Statement Requirement	N	
8-19-312	Specialty Coating Limitations	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	N	
8-19-321	Surface Preparation Standards	N	
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	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	
BAAQMD Regulation 8, Rule 31	**Organic Compounds - Surface Coating of Plastic Parts and Products (10/16/02)**		
8-31-111	Exemption, Low Usage Coatings	Y	
8-31-114	Exemption, Touch Up	Y	

IV. Source Specific Applicable Requirements

Table IV-F
S50, Paint Spraying, Facility-Wide

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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**		
Part 1	Total Paint Usage Limit (Basis: cumulative increase)	Y	
Part 2	Total Cleanup Solvent Limit (Basis: cumulative increase)	Y	
Part 3	VOC Content Limit (Basis: cumulative increase)	Y	
Part 4	Record Keeping Provisions for Adding Components To Coatings (Basis: BAAQMD Regulation 8-19-501.2)	Y	
Part 5	Coating and Cleanup Solvent Log (Basis: BAAQMD Regulation 8-19-501)	Y	

IV. Source Specific Applicable Requirements

Table IV-G
S52, Abrasive Blasting Facility
S53, Hopper & Cleaners
S54, 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 No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #7512	**Permit Conditions**		
Part 1	Ringelmann Limit (basis: cumulative increase)	Y	
Part 2	Aluminum Oxide Monthly Usage Limit (basis: cumulative increase)	Y	
Part 3	Abrasive Blasting Material Daily Usage Limit (basis: cumulative increase)	Y	
Part 4	Dust Collector System Requirement (basis: cumulative increase)	Y	
Part 5	Particulate Loading Limit (basis: cumulative increase)	Y	
Part 6	Records (basis: cumulative increase)	Y	

V. SCHEDULE OF COMPLIANCE

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

VI. PERMIT CONDITIONS

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

Condition # 6062
For S50 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: 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)

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)

VI. Permit Conditions

Condition # 7512
For S52, Abrasive Blasting Facility
S53, Hopper & Cleaners
S54, Conveyor System
A52, Dust Collector System

1. Visible particulate emissions from this blasting facility, including S52, S53, S54, and A52, 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 (S52, S53, and S54) 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 S52, S53, and S54 shall not exceed 13.1 tons during any day. (Basis: cumulative increase)

4. Emissions from Abrasive Blasting Facility S52, S53, and S54 shall be abated by the properly maintained Dust Collector System, A52, at all times that S52, S53, and/or S54 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 A52, dust collector, shall not exceed 0.002 grain/dscf. (Basis: cumulative increase)

*6. Within 60 days of startup of S52, S53, S54, and A52, the owner or operator shall perform a source test, approved by the District's Source Test Manager, on S52, S53, S54, and A52 to determine compliance with Part 5 above. The source test shall be conducted with S52, S53, and S54 operating at the full rated capacity of 1.31 ton/hour.(Basis: performance testing)

VI. Permit Conditions

Condition # 7512 (continued)
For S52, Abrasive Blasting Facility
S53, Hopper & Cleaners
S54, Conveyor System
A52, Dust Collector System

7. In order to demonstrate compliance with the above conditions, the owner/operator of S52, S53, S54, and A52 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: S10, S11, S12, S13, S14, and S15 - Gas Turbines

1. For each emission point at S10, S11, S12, S13, S14, and S15 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, 2-6-503]
   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

Condition #15816 (continued)
For S10, S11, S12, S13, S14, and S15 - 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 Part 1 above, the owner/operator shall record and maintain the following records: [basis: District Regulation 2-6-501]
   a. each day monitoring under 1a or 1b 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 1ai:
      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 1b or 1aii:
      i. visible emission observation record by a certified smoke reader
      ii. name of person performing the inspection, measurement, or monitoring

VI. Permit Conditions

Condition #15816 (continued)
For S10, S11, S12, S13, S14, and S15 - 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 S10, S11, S12, S13, S14, and S15 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. S10, S11, S12, S13, S14, and S15 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. [Basis: District Regulation 2-6-503, 9-1-304]

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. S10, S11, S12, S13, S14, and S15 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 9-9-302]

VI. Permit Conditions

Condition #15816 (continued)
For S10, S11, S12, S13, S14, and S15 - Gas Turbines

6. In order to demonstrate compliance with 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 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)

VI. Permit Conditions

Condition #16328
For S1, 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)

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 S1, Boiler 3-1 at Potrero Power Plant, and each of the other five remaining sources operating under the Advanced Technology Alternative Emission Control Plan (ATAECP) of Reg. 9-11.

*2. The owner/operator shall calculate the following on an hourly basis, for each of the 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 S1 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.

VI. Permit Conditions

Condition #21294 (continued)
For S1, Boiler

*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 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 valve of fuel burned on an hourly basis.
iii. The results of any performance testing, calibrations checks, zero adjustments, and maintenance of any continuous emission monitors.
iv. The date, time, and duration of any start-up, shutdown, or malfunction in the operation of the unit, emission control equipment, or emission monitoring equipment.

*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.

VI. Permit Conditions

Condition #21294
For S1, Boiler

*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)

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

Table VII-A
S1, Utility Boiler 3-1

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		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	
PM	40 CFR 75	Y		None	40 CFR 75	C	COM
SO2	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	
	BAAQMD 9-1-302	Y		300 ppmvd, when burning natural gas		N	

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-A
S1, Utility Boiler 3-1

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-304	Y		Sulfur content of non-gaseous fuel <0.5% by weight, when burning fuel oil	BAAQMD Condition 16328, part 1	P/E	Fuel certification
	40 CFR 75	Y		None	40 CFR 75.11(d)(2) and Appendix D to 40 CFR 75	P/H	fuel flow measure-ments, SO2 calculations
NOx	BAAQMD 9-3-301	N		175 ppmv @ 3% O_2 (dry basis) for natural gas firing or 300 ppmv @ 3% O_2 (dry basis) for oil firing based on a clock hour average		C	CEMS
	BAAQMD 9-3-302	Y		heat input weighted average of emissions when natural gas and oil fired simultaneously		C	CEMS
	BAAQMD 9-11-302.1.1	Y		175 ppmv @ 3% O_2 (dry basis) for natural gas firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-A
S1, Utility Boiler 3-1

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-11-302.1.3	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		0.037 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
CO	BAAQMD 9-11-310.1	Y		400 ppmv @ 3% O_2 (dry basis) during steady state compliance tests	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-310.2	Y		1000 ppmv @ 3% O_2 (dry basis) during normal operation based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
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
Lead	BAAQMD 11-1-301	Y		6.75 kg/day		N	N/A

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-A
S1, Utility Boiler 3-1

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 11-1-302	Y		1.0 microgram/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
S10, Gas Turbine Unit No. 4-Engine "A"
S11, Gas Turbine Unit No. 4-Engine "B"
S12, Gas Turbine Unit No. 5-Engine "A"
S13, Gas Turbine Unit No. 5-Engine "B"
S14, Gas Turbine Unit No. 6-Engine "A"
S15, Gas Turbine Unit No. 6-Engine "B"

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	N		Ringelmann No. 1 for no more than 3 min/hr	BAAQMD condition 15816, Parts 1, 2	P/D Daily when in use	Visual Inspection and record keeping
FP	BAAQMD 6-310	N		0.15 grains/dscf		N	
SO_2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 minutes or 0.25 ppm for 60 minutes or 0.05 ppm for 24 hours		N	
SO2	BAAQMD 9-1-304	Y		Sulfur content of non-gaseous fuel <0.5% by weight	BAAQMD condition #15816, parts 4 and 7	P/E	fuel certification or analysis

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-B
S10, Gas Turbine Unit No. 4-Engine "A"
S11, Gas Turbine Unit No. 4-Engine "B"
S12, Gas Turbine Unit No. 5-Engine "A"
S13, Gas Turbine Unit No. 5-Engine "B"
S14, Gas Turbine Unit No. 6-Engine "A"
S15, Gas Turbine Unit No. 6-Engine "B"

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NO_X	BAAQMD 9-9-302	Y		65 ppmv @ 15% O_2 (dry basis)	BAAQMD 9-9-502 & BAAQMD condition 15816, parts 3 and 6	P/D Daily when in use	Water-to fuel monitoring, Record-keeping
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	BAAQMD condition 15815, part 3	Y		Weight ratio of water to fuel not less than 0.55	BAAQMD permit condition 15816 part 3	P/D Daily when in use	Record-keeping
Fuel oil restriction	BAAQMD 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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

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

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

Table VII-D
S27, Oily-Water Separator

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-112	Y		1.0 ppm critical organic compounds @ 68^{o} F	N/A	P/ Semi-annual	Sampling

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-E
S50, Paint Spraying, Facility-Wide

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-3-301	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
	BAAQMD 8-3-301	N		flow: 420 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-E
S50, Paint Spraying, Facility-Wide

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-3-301	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
	BAAQMD 8-3-301	N		rust preventative: 400 gr VOC per liter	BAAQMD 8-3-401	P/E	labeling
	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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-E
S50, Paint Spraying, Facility-Wide

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-3-301	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
VOC	BAAQMD 8-19-302.2 And BAAQMD Permit Condition 6062 part 3	Y		content of air dried coating < 2.8 lb/gal	BAAQMD 8-19-501	P/W	Records
	BAAQMD 8-19-312	Y		coating < 3.5 lb VOC/gal	BAAQMD 8-19-501	P/W	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

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-E
S50, Paint Spraying, Facility-Wide

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-19-321	Y		Surface preparation solvent < 0.42 lb VOC/gal	BAAQMD 8-19-501	P/M	Records
	BAAQMD 8-31-302	Y		coating < 2.8 lb VOC/gal	BAAQMD 8-31-501	P/W	Records
	BAAQMD Regulation 8-31-306.1	Y		flexible primer < 4.1 lb/gal excluding water	BAAQMD 8-31-501	P/W	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 8-31-309.2	Y		conductive coating < 2.7 lb VOC/gal	BAAQMD 8-31-501	P/W	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
	BAAQMD 8-31-321	Y		Surface preparation solvent < 0.42 lb VOC/gal	BAAQMD 8-31-501	P/M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-E
S50, Paint Spraying, Facility-Wide

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 6062, part 3	Y		coating < 2.8 lb VOC/gal	BAAQMD Condition 6062 part 5	P/E	Records
Paint Usage	BAAQMD Condition 6062, part 1	Y		1095 gallons in any 12 consecutive months	BAAQMD Condition 6062, part 5	P/E	Records
Cleanup Solvent Usage	BAAQMD Condition 6062, part 2	Y		100 gallons in any 12 consecutive months	BAAQMD Condition 6062, part 5	P/E	Records

Table VII-F
S52, Abrasive Blasting Facility
S53, Hopper and Cleaners
S54, Conveyor System

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301 and BAAQMD Permit Condition 7512 part 1	Y		Ringelmann No. 1 for more than 3 min/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	C	Differential Pressure Failure Warning System

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-F
S52, Abrasive Blasting Facility
S53, Hopper and Cleaners
S54, Conveyor System

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Regulation 6-311	Y		No emissions from source > rate (lb/hour)	BAAQMD Permit Condition 7512, part 4	C	Differential Pressure Failure Warning System
	BAAQMD Permit Condition 7512 part 1	Y		Particulate loading < 0.002 grain/dscf	BAAQMD Permit Condition 7512, part 4	C	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 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD 6-304	Tube Cleaning	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD 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
BAAQMD 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 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
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

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 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 8-19-312	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A, Determination of Emissions of Volatile Organic Compounds If EPA Method 25 or 25A is used, control device equivalency (if applicable) is determined as prescribed in 55 FR 26865
BAAQMD 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

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 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 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 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
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

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-11-302	NOx Emissions from Utility Electric Power Generating Boilers, Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 1.75 billion BTU/hour	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.1	NOx Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.2	NOx Emissions from Utility Electric Power Generating Boilers, Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.3	NOx Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel and Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-308	System-wide NOx Emission Rate Limit	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-309	Advanced Technology Alternative Emission Control Plan	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-309.1	System-wide NOx Emission Rate Limits	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
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

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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

IX. TITLE IV ACID RAIN PERMIT

Effective February 9, 2005 through February 8, 2010

ISSUED TO:
Mirant Potrero, LLC
Potrero Power Plant
1201-A Illinois Street
San Francisco, CA 94107

PLANT SITE LOCATION:
1201-A Illinois Street
San Francisco, CA 94107

ISSUED BY:

_____ February 9, 2005____
Jack P. Broadbent, Executive Officer/ Date
Air Pollution Control Officer

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

DESIGNATED REPRESENTATIVE:
Name: **Anne M. Cleary**
Title: **Vice President, Mirant Americas, Inc.**
Phone: **(925) 287-3117**

ALTERNATE DESIGNATED REPRESENTATIVE:
Name: **J. Michael Childers**
Title: **Vice President, Environmental Affairs**
Phone: **(678) 579-7112**

ACID RAIN PERMIT CONTENTS

IX. Title IV Acid Rain Permit

1) Statement of Basis

2) SO_2 allowance allocated under this permit and NOx 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	**2005**	**2006**	**2007**	**2008**	**2009**
	SO_2 allowances under Tables 2, 3, or 4 of 40 CFR Part 73	321*	321*	321	321	321
BOILER 3-1 BAAQMD S1	NOx Limit	This unit is not subject to the NOx requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.				

The number of allowances actually held by an affected source in a unit account may differ from the number allocated by USEPA and would not necessitate a revision to the unit SO_2 allowance allocations identified in this permit.

3) COMMENTS, NOTES AND JUSTIFICATIONS

None

IX. Title IV Acid Rain Permit

4) PERMIT APPLICATION

Attached

X. REVISION HISTORY

Initial Issuance Title V Permit(Application No. 25772) September 14, 1998

Renewal Title V Draft Permit Public Hearing
(Application 6441 and 7181) May 6, 2004

Renewal Title V Permit
(Application 6441 and 7181) February 9, 2005
Change of plant name and address
Change of secondary responsible official
Addition of S25 and S30, Diesel Fire Pumps
Deletion of S51, Wipe Cleaning from permit (source now exempt)
Update of standard language in Sections I, II, III, IV, V, and VII
Addition of requirements and conditions for the use of interchangeable emission reduction credits
Addition of parametric monitoring requirements for S10 through S15, Turbines
Addition of 40 CFR 64, Compliance Assurance Monitoring, requirements for S10 through S15, Turbines
Update of requirements for S50, Paint Spraying
The requirements of BAAQMD Regulation 9, Rule 11, Nitrogen Oxides and Carbon Monoxide from Electric Power Generating Steam Boilers, have been updated.
Other details can be found in the Statement of Basis/Permit Evaluation for this action.

Administrative Amendment Title V Permit
(Application 15336) August 16, 2007

XI. GLOSSARY

ACT
Federal Clean Air Act

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

APCO
Air Pollution Control Officer

ASTM
American Society for Testing and Materials

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CEMS
Continuous Emission Monitoring System

CEQA
California Environmental Quality Act

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

CO
Carbon Monoxide

COM
Continuous Opacity Monitor

Cumulative Increase

XI. Glossary

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 40 CFR Part 63.

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) 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.

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

XI. Glossary

The District's Manual of Procedures

N/A
Not applicable

NAAQS
National Ambient Air Quality Standards

NESHAPS
National Emission Standards for Hazardous Air Pollutants (See in 40 CFR Part 61)

NMHC
Non-methane Hydrocarbons

NOx
Oxides of nitrogen

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

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

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any on-site contemporaneous emission reduction credits. Applies to emissions of POC, NO_X, PM10, and SO_2.

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.

POC
Precursor Organic Compounds

PM
Total Particulate Matter

PM10

XI. Glossary

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.

SO_2
Sulfur dioxide

ST
Source test

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

TRMP
Toxic Risk Management Plan

TSP
Total Suspended Particulate

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
ft^3	=	cubic feet
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
gr	=	grain, when referring to particulate; gram, when referring to VOC

XI. Glossary

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

Symbols:

<	=	less than
>	=	greater than
≤	=	less than or equal to
≥	=	greater than or equal to

XII. 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://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions

XIII. TITLE IV ACID RAIN PERMIT APPLICATION