Bay Area Air Quality Management District

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

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

Mirant~~Southern Energy~~ Delta, L.L.C., Contra Costa Power Plant
Facility #A0018

Facility Address:
3201 Wilbur Avenue
Antioch, CA 94509

Mailing Address:
P.O. Box 249
Antioch, CA 94509

Primary Responsible Official	**Secondary Responsible Official**	**Facility Contact**
Ann M. Cleary ~~Mark A. Gouveia~~ ~~Joseph H. Bittner~~	Lisa D. Johnson ~~Ronald M. Kino~~	David J. Hammond
President , Mirant California ~~Production Manager~~	President, Mirant Mid-Atlantic ~~Environmental, Health and Safety Manager~~	Plant Manager
(925) 287-3117 ~~427-3510~~	(310) 669-8020 ~~(925) 427-3545~~	(925) 779-6565 ~~427-3597~~

Type of Facility: Electric Generation

Primary SIC: 4911

Product: Electricity

BAAQMD ~~Permit~~ Engineering Division Contact:
~~Weyman Lee~~Craig Ullery

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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

Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/2/01~~5/17/00~~);

SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99~~11/10/82~~);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 12/21/04~~5/17/00~~);

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 12/21/04~~5/17/00~~);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through ~~10/19/84~~1/26/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/21/04~~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~~10/20/99~~).

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

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

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

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

I. Standard Conditions ~~(continued)~~

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, ~~n~~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 which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
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)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

I. Standard Conditions ~~(continued)~~

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

E. Records

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 must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. Reports shall be submitted for the following periods: September 1st through February 28th or 29th and March 1st through August 31st, and are due 30 days after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

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

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

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be September 1st to August 31st of each year. 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,

I. Standard Conditions ~~(continued)~~

and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

Director of the Air Division
U.S. EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

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

H. Emergency Provisions

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

2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit ~~caused by conditions beyond the permit holder's reasonable control~~ by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. ~~Any variance granted by the Hearing Board from any term or condition of this permit which lasts longer than 90 days will be subject to EPA approval.~~ (MOP Volume II, Part 3, §4.8)

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

I. Severability

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

J. 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)

I. Standard Conditions ~~(continued)~~

K. Accidental Release

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)

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

1. ~~Every year starting January 30, 2000, the permit holder shall hold one sulfur dioxide allowance on January 30 for each ton of sulfur dioxide emitted during the preceding year from January 1 through December 31. (MOP Volume II, Part 3, §4.9)~~ 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 29 in 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 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, recordkeeping and reporting implementation, and relative accuracy testing. (Regulation 2-7, Acid Rain)
4. The permit shall monitor SO2 emissions in accordance with 40 CFR Part 72 and 75. (Regulation 2-7, Acid Rain)
5. The permit holder shall submit quarterly Electronic Data Reports (EDR) to EPA for Boilers S-9 and S-10. 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)

~~K. Accidental Release~~

~~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)~~

II. EQUIPMENT LIST

~~A. Permitted Source List~~

~~Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2-1-302.~~

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

S-#	Description	Make or Type	Model	Design Capacity
S-9	Boiler No. 9, Electric Generation~~, with Fuel Oil Additive System~~, Gas ~~and Oil~~ Fired	Babcock & Wilcox		3,400 MMBTU/hr
S-10	Boiler No. 10, Electric Generation~~, with Fuel Oil Additive System~~, Gas ~~and Oil~~ Fired	Babcock & Wilcox		3,400 MMBTU/hr
S-20	Service Station, G# 6557		1 nozzle	1,000 gallon tank
S-33	Maintenance Coating Operation			
S-34	Fixed Roof Oil Water Surge Tank	Pitt Des Moines		56,000 gallons
S-35	API Separator	Wemco	Model CFA-4	1000 gallons
S-37	Dissolved Air Flotation (DAF)			1000 gal/min
S-40	Wipe Cleaning, Facility-Wide	custom design		
S-100	Sand Blast Facility	Zero Manufacturing		

II. Equipment

~~B. Abatement Device List~~

~~Table II-B~~
~~Abatement Devices~~

~~A-#~~	~~Description~~	~~Source(s) Controlled~~	~~Applicable Requirement~~	~~Operating Parameters~~	~~Limit or Efficiency~~
~~A-10~~	~~Selective Catalytic Reduction (SCR)~~	~~S-10~~	~~Regulation 9-11-309~~		~~10 ppmvd NOx (3% O_2)~~
~~A-100~~	~~Baghouse~~	~~S-100~~	~~Regulation 6-301~~		~~0.15 gr/dscf for <3 min/hr~~

Table II-B
Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-10	Selective Catalytic Reduction (SCR)	S-10	Regulation 9-11-309		~~10 ppmvd NOx (3% O_2)~~ *
A-100	Baghouse	S-100	Regulation 6-301		0.15 gr/dscf for <3 min/hr

* S-9 and S-10 boilers are subject to the Advanced Technology Alternative Emission Control Plan (ATAECP "system-wide emissions bubble") of Regulation 9-11, Section 309. Under the ATAECP, the individual boilers are not required to comply with a specific emission limit, but their emissions and fuel use contribute to a system-wide average. The current system-wide average NO_x limit (2005) is 0.018 lb/MMbtu.

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 ~~parenthesis~~ 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 included in Appendix A of this permit if the SIP requirement is different from the current BAAQMD requirement. The address is:
http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1

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)~~ by the District's revision of the regulation.

III. Generally Applicable Emission Requirements ~~(continued)~~

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~~5/17/00~~)	N
SIP Regulation 1	General Provisions and Definitions ~~(8/27/99)~~ (6/28/99)	Y
BAAQMD Regulation 2, Rule 1 ~~2-1~~	General Requirements (12/21/04)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule ~~2-~~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~~11/2/94~~)	Y
SIP Regulation 5	Open Burning (3/6/02)	N
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 ~~(11-4-98)~~ (11/21/01)	~~Y~~ 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 4~~98-49~~	Organic Compounds – Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products ~~(1/7/98)~~ (7/17/02)	N
SIP Regulation 8, Rule 51~~8-51~~	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 (10/7/98)	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 41750 et seq.	Portable Equipment	N

III. Generally Applicable Emission Requirements ~~(continued)~~

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
~~AB 2588~~ California Health and Safety Code Section 44300 et seq.	~~California Assembly Bill 2588 Toxics "Hot Spots"~~ Air Toxics "Hot Spot" 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 ~~parenthesis~~parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is:

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

~~included in Appendix A of this permit if the SIP requirements are different from the current BAAQMD requirements.~~ All other text may be found in the regulations themselves.

Table IV-A
S-9, Utility Boiler No. 9
~~S-10, Utility Boiler No. 10~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/17/00)**		
1-520	Continuous Emission Monitoring		
1-520.1	Steam Generators Rated 250 MMBTU or More Per Hour	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
1-522.1	Plans and Specifications	Y	
1-522.2	Installation Scheduling	Y	
1-522.3	Performance Testing	Y	
1-522.4	Periods of Inoperation Greater Than 24 Hours	Y	
1-522.5	Calibration	Y	
1-522.6	Accuracy	Y	
1-522.7	Excesses	Y	

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

Table IV-A
S-9, Utility Boiler No. 9
~~S-10, Utility Boiler No. 10~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522.8	Monthly Reports	Y	
1-522.9	Records	Y	
1-522.10	Monitors Required by Sections 1-521 or 2-1-403	Y	
SIP Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.7	Monitor Excesses	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
~~6-302~~	~~Opacity Limitation~~	~~Y~~	
6-304	Tube Cleaning	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	
~~6-401~~	~~Appearance of Emissions~~	~~Y~~	
~~6-501~~	~~Sampling Facilities and Instruments Required~~	~~Y~~	
~~6-502~~	~~Data, Records and Reporting~~	~~Y~~	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission limitations	Y	
~~9-1-304~~	~~Fuel Burning (Liquid and Solid Fuels)~~	~~Y~~	
BAAQMD Regulation 9, Rule 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)**		

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

Table IV-A
S-9, Utility Boiler No. 9
~~S-10, Utility Boiler No. 10~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
9-11-302.1.1	NOX limits, limitation on ~~non-~~gaseous fuel firing	Y	
9-11-308	System-wide NOx Emission Rate Limit: 0.28 lb/MM Btu	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~~	
~~9-11-309.1~~	~~System-wide NOx Emission Rate Limits: 0.057 lb/MMBTU~~	~~N~~	~~1/1/02~~
~~9-11-309.1~~	~~System-wide NOx Emission Rate Limits: 0.037 lb/MMBTU~~	~~N~~	~~1/1/04~~
9-11-309.1	System-wide NOx Emission Rate Limits: 0.018 lb/MMBTU	N	~~1/1/05~~
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	
9-11-311	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater than or equal to 250 million BTU/hour	Y	Upon installment of an applicable control device
9-11-310	CO Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	Y	
9-11-401	Compliance Schedule - Emissions Limits	Y	
9-11-402	Initial and Annual Demonstration of Compliance	Y	
9-11-501	Fuels Monitoring	Y	

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

Table IV-A
S-9, Utility Boiler No. 9
~~S-10, Utility Boiler No. 10~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-11-502	Modified Maximum Heat Input Capacity	Y	Upon physical modification affecting maximum~~.~~ heat input
9-11-503	Emissions Monitoring	Y	
9-11-504	Records	Y	
9-11-505	Reporting Requirements	Y	
9-11-604	Compliance Determination	Y	
9-11-605	Determination of a Higher Heating Value	Y	
BAAQMD Regulation 11, Rule 1	**Hazardous Pollutants, Lead (3/17/82)**		
11-1-301	Daily Limitation	Y	
11-1-302	Ground level Concentration Limit Without Background	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR Part 72	**Title IV – Acid Rain Program**	Y	
40 CFR Part 75	**Code of Federal Regulations, Continuous Emissions Monitoring**	Y	
BAAQMD Condition #672	**Permit Conditions**		
~~Condition~~ Part 1a	~~Fuel Additive Required When Burning Fuel Oil and Nuisance (basis: BAAQMD 1-301)~~	~~N~~	
~~Condition~~ Part 1b	~~Excessive Visible Emissions When Burning Fuel Oil (basis: BAAQMD 6-301)~~	~~Y~~	

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

Table IV-A
S-9, Utility Boiler No. 9
~~S-10, Utility Boiler No. 10~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~Condition Part 2~~	~~Installation and maintenance of cold-end preheater baskets (basis: BAAQMD 1-301)~~	~~N~~	
~~Condition Part 3~~	~~Requirements for Burning Fuel Oil (basis: BAAQMD 1-301, 6-305)~~	~~N~~	
~~Condition Part 4~~	~~Record Keeping When Burning Oil (basis: cumulative increase)~~	~~Y~~	
~~Condition Part 5~~	~~Boiler Cleaning and Inspection Requirements (basis: cumulative increase)~~	~~Y~~	
Part 6	Natural Gas Firing (Basis: Regulation 2-1-301)	Y	
~~**BAAQMD Condition #16327**~~	~~**Permit Conditions**~~		
~~Condition 1~~	~~Applicability of "electric power generating system" and "systemwide NOx emission rate" (Basis: CEQA)~~	~~N~~	
~~Condition 2~~	~~Limitation on Non-gaseous Fuel Firing (Basis: CEQA)~~	~~N~~	
~~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~~	
~~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~~	

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

Table IV-A
S-9, Utility Boiler No. 9
~~S-10, Utility Boiler No. 10~~

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~Condition 5~~	~~CO Emission Limits (Basis: CEQA)~~	~~N~~	
~~Condition 6~~	~~Ammonia Emission Limits (Basis: CEQA)~~	~~N~~	
~~Condition 7~~	~~Startup Provision (Basis: CEQA)~~	~~N~~	
~~Condition 8~~	~~Shutdown Provision (Basis: CEQA)~~	~~N~~	
~~Condition 9~~	~~Continuous Emission Monitoring Systems (CEMS) Requirements (Basis: CEQA)~~	~~N~~	
~~Condition 10~~	~~Fuel Meter Requirements (Basis: CEQA)~~	~~N~~	
~~Condition 11~~	~~Ammonia Emission Limit (Basis: CEQA)~~	~~N~~	
~~Condition 12~~	~~Recordkeeping Requirements (Basis: CEQA)~~	~~N~~	

1 ~~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 ~~(continued)~~

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Table IV-B
S-10, Utility Boiler No. 10

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/17/00)**		
1-520	Continuous Emission Monitoring		
1-520.1	Steam Generators Rated 250 MMBTU or More Per Hour	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
1-522.1	Plans and Specifications	Y	
1-522.2	Installation Scheduling	Y	
1-522.3	Performance Testing	Y	
1-522.4	Periods of Inoperation Greater Than 24 Hours	Y	
1-522.5	Calibration	Y	
1-522.6	Accuracy	Y	
1-522.7	Excesses	Y	
1-522.8	Monthly Reports	Y	
1-522.9	Records	Y	
1-522.10	Monitors Required by Sections 1-521 or 2-1-403	Y	
SIP Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-522.7	Monitor Excesses	Y	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann No. 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	
~~6-401~~	~~Appearance of Emissions~~	~~Y~~	
~~6-501~~	~~Sampling Facilities and Instruments Required~~	~~Y~~	
~~6-502~~	~~Data, Records and Reporting~~	~~Y~~	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		

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

Table IV-B
S-10, Utility Boiler No. 10

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission limitations	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	
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	
9-11-302	Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 1.75 billion BTU/hour	Y	
9-11-302.1.1	NOX limits, limitation on gaseous fuel firing	Y	
9-11-308	System-wide NOx Emission Rate Limit: 0.28 lb/MM Btu	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~~	
~~9-11-309.1~~	~~System-wide NOx Emission Rate Limits: 0.057 lb/MMBTU~~	~~N~~	~~1/1/02~~
~~9-11-309.1~~	~~System-wide NOx Emission Rate Limits: 0.037 lb/MMBTU~~	~~N~~	~~1/1/04~~
9-11-309.1	System-wide NOx Emission Rate Limits: 0.018 lb/MMBTU	N	1/1/05
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 control device~~
9-11-401	Compliance Schedule - Emissions Limits	Y	

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

Table IV-B
S-10, Utility Boiler No. 10

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-11-402	Initial and Annual Demonstration of Compliance	Y	
9-11-501	Fuels Monitoring	Y	
9-11-502	Modified Maximum Heat Input Capacity	Y	Upon physical modification affecting max. heat input
9-11-503	Emissions Monitoring	Y	
9-11-504	Records	Y	
9-11-505	Reporting Requirements	Y	
9-11-604	Compliance Determination	Y	
9-11-605	Determination of a Higher Heating Value	Y	
BAAQMD Regulation 11, Rule 1	**Hazardous Pollutants, Lead (3/17/82)**		
11-1-301	Daily Limitation	Y	
11-1-302	Ground level Concentration Limit Without Background	Y	
BAAQMD Manual of Procedures, Volume V	**Continuous Emission Monitoring Policy and Procedures (1/20/82)**	Y	
40 CFR Part 72	**Title IV – Acid Rain Program**	Y	
40 CFR Part 75	**Code of Federal Regulations, Continuous Emissions Monitoring**	Y	
BAAQMD Condition #672	**Permit Conditions**		
~~Condition~~ ~~Part 1a~~	~~Fuel Additive Required When Burning Fuel Oil and Nuisance (basis: BAAQMD 1-301)~~		
~~Condition~~ ~~Part 1b~~	~~Excessive Visible Emissions When Burning Fuel oil(BAAQMD 6-301)~~		

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

Table IV-B
S-10, Utility Boiler No. 10

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~Condition~~ Part 2	Installation and maintenance of cold-end preheater baskets (basis: BAAQMD 1-301)	N	
~~Condition Part 3~~	~~Requirements for Burning Fuel Oil (basis: cumulative increase)~~	~~N~~	
~~ConditionPart 4~~	~~Record Keeping When Burning Oil (basis: cumulative increase)~~	~~Y~~	
~~ConditionPart 5~~	~~Boiler Cleaning and Inspection Requirements (basis: cumulative increase)~~	~~Y~~	
Part 6	Natural Gas Firing (Basis: Regulation 2-1-301)	Y	
~~**BAAQMD Condition #16327**~~	~~**Permit Conditions**~~		
~~Condition 1~~	~~Applicability of "electric power generating system" and "systemwide NOx emission rate" (Basis: CEQA)~~	~~N~~	
~~Condition 2~~	~~Limitation on Non-gaseous Fuel Firing (Basis: CEQA)~~	~~N~~	
~~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~~	
~~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~~	

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

Table IV-B
S-10, Utility Boiler No. 10

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~Condition 6~~	~~Ammonia Emission Limits (Basis: CEQA)~~	~~N~~	
~~Condition 7~~	~~Startup Provision (Basis: CEQA)~~	~~N~~	
~~Condition 8~~	~~Shutdown Provision (Basis: CEQA)~~	~~N~~	
~~Condition 9~~	~~Continuous Emission Monitoring Systems (CEMS) Requirements (Basis: CEQA)~~	~~N~~	
~~Condition 10~~	~~Fuel Meter Requirements (Basis: CEQA)~~	~~N~~	
~~Condition 11~~	~~Ammonia Emission Limit (Basis: CEQA)~~	~~N~~	
~~Condition 12~~	~~Recordkeeping Requirements (Basis: CEQA)~~	~~N~~	

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

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 ~~(continued)~~

Table IV-~~B~~ C
S-20, Service Station G#6557

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 7	**Organic Compounds, Gasoline Dispensing Facilities ~~(11/17/99)~~ (11/6/02)**		
8-7-113	Exemption, Tank Gauging and Inspection	Y	
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirement for CARB Phase I System	Y	
8-7-301.2	Installation of Phase I Equipment per CARB Requirements	Y	
8-7-301.3	Submerged Fill Pipes	Y	
8-7-301.5	Maintenance of Phase I Equipment per Manufacturers Guidelines or CARB Executive Order	Y	
8-7-301.6	Leak-Free, Vapor-Tight	Y	
8-7-301.7	Poppetted Drybreaks	Y	
8-7-301.8	No Coaxial Phase I Systems on New and Modified Tanks	Y	
8-7-301.9	CARB-Certified Anti-Rotational Coupler or Swivel Adapter	Y	
8-7-301.10	System Vapor Recovery Rate	Y	
8-7-301.11	CARB-Certified Spill Box	Y	
8-7-301.12	Drain Valve Permanently Plugged	Y	
8-7-301.13	Conduct and Passing Test Once per 12-Month Period	Y	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirement for CARB Phase II System	Y	
8-7-302.2	Maintenance of Phase II Equipment per CARB Requirements	Y	
8-7-302.3	Maintenance of All Equipment as Specified By Manufacturer	Y	
8-7-302.4	Repair of Defective Parts Within 7 Days	Y	
8-7-302.5	Leak-Free, Vapor-Tight	Y	
8-7-302.6	Insertion Interlocks	Y	
8-7-302.7	Built-In Vapor Check Valve	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	October 2008
8-7-302.9	Coaxial Hose	Y	
8-7-302.10	Galvanized Piping or Flexible Tubing	Y	
8-7-302.11	ORVR Compatible	Y	
8-7-302.12	Liquid Retainment Limit	Y	October

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

Table IV-~~B~~ C
S-20, Service Station G#6557

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
			2008
8-7-302.13	Spitting Limit	Y	October 2008
8-7-302.14	Conduct and Passing Test Once per 12-Month Period	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Phase I Requirements	Y	
8-7-310	Phase II Requirements	Y	
8-7-311	Exempt Tanks Requirements	Y	
8-7-313~~2~~	New and Modified Phase II Installations	Y	
8-7-314	Hold Open Latch Requirement	Y	
8-7-315	Pressure Vacuum Valve Requirement, Underground Storage Tank	Y	
8-7-401	~~Equipment Installation and Modifications~~ Permit Requirements, New and Modified Installations	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periods Testing Requirements	Y	
8-7-408	Periods Testing Notification & Submission Requirements	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Recordkeeping Requirements	Y	
8-7-503.1	Gasoline Dispensed Records	Y	
8-7-503.2	Dispensing Facility Maintenance Records	Y	
8-7-503.3	Dispensing Records Retention	Y	
BAAQMD Condition No. 21996	**Permit Condition**		
Part 1	Fuel throughput limitation [Basis: Toxic Risk policy]	Y	

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

Table IV-C
S-33, Maintenance Coating Operation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 3	**Organic Compounds, Architectural Coatings ~~(11/4/98)~~ (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	
8-3-402	Petition, Limited Allowance for Industrial Maintenance Coatings	Y	
~~8-3-302~~	~~Final Limits~~	~~Y~~	
~~8-3-304~~	~~Specialty Coating Limitations~~	~~Y~~	
~~8-3-306~~	~~Exempt Coating Labeling~~	~~Y~~	
~~8-3-401~~	~~Date of Manufacture~~	~~Y~~	
~~8-3-403~~	~~Labeling Requirement~~	~~Y~~	
BAAQMD Regulation 8, Rule 19	**Organic Compounds - Surface Coating of Miscellaneous Metal Parts and Products ~~(12/20/95)~~ (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	VOC Limits	Y	
8-19-307	Prohibition of Specification	Y	
8-19-312	Specialty Coating Limitations	Y	
8-19-313	Spray Application Equipment Limitations	Y	

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

Table IV-C
S-33, Maintenance Coating Operation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-321	Surface Preparation Standards	Y	
8-19-405	Low Usage Coating Petition	Y	
8-19-407	Specialty Coating Petition	Y	
8-19-408	Emission Reduction Credits	Y	
8-19-501	Records	Y	
BAAQMD Condition #8854	**Permit Conditions**		
~~Condition~~ Part 1	Net Annual Coating Usage Limit (basis: cumulative increase)	~~N~~Y	
~~Condition~~ Part 2	Net Annual General Solvent Limit (basis: cumulative increase)	~~N~~Y	
~~Condition~~ Part 3	Record Keeping Provisions for Adding Components To Coatings (basis: BAAQMD Regulation 8-19-501.2)	Y	

Table IV-D
S-34, Fixed Roof Oil Water Surge Tank

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) Separators (6/15/94)**		
8-8-112	Exemption, Wastewater Critical OC Concentration And/Or Temperature	Y	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	Y	
8-8-305	Oil-Water Separator And/Or Air Flotation Unit Slop Oil Vessels	Y	
8-8-502	Wastewater Critical Organic Compound Concentration And/Or Temperature Records		
8-8-503	Inspection and Repair Records	Y	
BAAQMD Condition #7938	**Permit Conditions**		
~~Condition~~ Part 1	Wastewater Throughput Limit (basis: cumulative increase)	N	

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

Table IV-D
S-34, Fixed Roof Oil Water Surge Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~Condition~~ Part 2	Combined Wastewater and Storm Water Limit (basis: cumulative increase)	N	
~~Condition~~ Part 3	Record Keeping Requirements (basis: ~~cumulative increase~~Regulation 8-8-501)	~~N~~Y	

Table IV-E
S-35, API 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) Separators (6/15/94)**		
8-8-112	Exemption, Wastewater Critical OC Concentration And/Or Temperature	Y	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	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	
8-8-503	Inspection and Repair Records	Y	
~~Condition~~ Part 1	Wastewater Throughput Limit (basis: cumulative increase)	N	
~~Condition~~ Part 2	Combined Wastewater and Storm Water Throughput Limit (basis: cumulative increase)	N	
~~Condition~~ Part 3	Record Keeping Requirements (basis: ~~cumulative increase~~ Regulation 8-8-501)	~~N~~ Y	

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

Table IV-F
S-37, Dissolved Air Flotation

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) Separators (6/15/94)**		
8-8-112	Exemption, Wastewater Critical OC Concentration and/or Temperature	Y	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	Y	
8-8-303	Gauging and Sampling Devices	Y	
8-8-305	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	Y	
8-8-502	Wastewater Critical Organic Compound Concentration And/Or Temperature Records	Y	
8-8-503	Inspection and Repair Records	Y	
BAAQMD Condition #7938	**Permit Conditions**		
~~Condition~~ Part ~~-~~1	Wastewater Throughput Limit (basis: cumulative increase)	N	
~~Condition~~ Part 2	Combined Wastewater and Storm Water Throughput Limit (basis: cumulative increase)	~~N Y~~N	
~~Condition~~ Part 3	Record Keeping Requirements (basis: ~~cumulative increase~~ Regulation 8-8-501)	~~N~~Y	

Table IV-G
S-40, 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 (9/16/98)**		
8-16-111	Exemption, Wipe Cleaning	Y	
8-16-304	Trichloroethylene Limitation	Y	
8-16-501	Solvent Records	Y	

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

Table IV-G
S-40, Wipe Cleaning, Facility-Wide

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-16-501.1	Trichloroethylene Records	Y	
8-16-501.2	All Other Solvents Records	Y	
8-16-501.3	Annual Records of Type and Amount of Solvent Used for Wipe Cleaning	Y	
BAAQMD Condition #8855	**Permit Conditions**		
~~Condition~~ Part 1	Net Annual General Solvent Usage Limit (basis: cumulative increase)	Y	
~~Condition~~ Part 2	Net Annual 1,1,1-Trichloroethane Usage Limit (basis: cumulative increase)	N	
~~Condition~~ Part 3	Record Keeping Requirements (basis: BAAQMD Regulation 8-16-501)	Y	

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

Table IV-H
S-100, Sand Blast Facility

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
CA Title 17	**State Provisions for Sandblasting**	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #15870			
Part 1	Requirement for Baghouse (Basis: BAAQMD Regulation 6-301, 6-310)	Y	
Part 2	Baghouse Inspections (Basis: BAAQMD Regulation 2-6-501)	Y	
Part 3	Recordkeeping (Basis: BAAQMD Regulation 2-6-501)	Y	

V. SCHEDULE OF COMPLIANCE

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

VI. PERMIT CONDITIONS

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

A. Source Specific Permit Conditions

Condition #672
For S-9, S-10 [Boilers Nos. 9 &10]

Deletion Basis: Parts 1a, 1b, 2, 3, 4 and 5 were deleted since the Owner/Operator is not permitted to fire fuel oil in the S-9 and S-10 Boilers.

~~*1a. A fuel additive shall be used when burning fuel oil. If the use of fuel oil with the additive causes any nuisance (as defined in Rule 1-301), the permit holder shall take appropriate action to remedy the problem or switch to natural gas. [basis: BAAQMD Regulation 1-301)]~~

~~1b. If the use of fuel oil causes excessive visible emissions greater than 20% opacity, the permit holder shall take appropriate action to remedy the problem or switch to natural gas. [basis: BAAQMD Regulation 6-301)]~~

~~*2. Type 409 stainless steel cold-end air preheater baskets shall be installed and properly maintained in Boilers 9 and 10. [basis: BAAQMD 1-301]~~

~~*3. When burning fuel oil, the permit holder shall install and maintain the following [basis: BAAQMD 1-301]:~~

~~a. fuel oil-additive injection system~~
~~b. a steam air heater to maintain cold-end average temperatures above 195 degrees F during minimum load and at maximum load maintain cold-end average of at least 165 degrees F.~~
~~c. convective pass boiler lancing continuously~~
~~d. reverse lance air preheater continuously~~

VI. Permit Conditions ~~(continued)~~

Condition #672
For S-9, 10 [Boilers Nos. 9 &10**]**

~~4. When burning fuel oil, the permit holder shall maintain daily log of at least the following items: [basis: cumulative increase]~~

~~a. fuel oil sulfur content~~
~~b. amount of fuel burned~~
~~c. amount of fuel additive injected~~
~~d. type of fuel additive~~

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

6. The Owner/Operator shall fire the S-9 and S-10, Boilers, exclusively on PUC quality natural gas.
(Basis: District Regulation 2-1-301)

Condition #21996

For S-20 [Service Station]

1. Pursuant to BAAQMD Toxic Section policy, this facility's annual throughput shall not exceed 20,000 gallons in any consecutive 12-month period.
[Basis: Toxic Risk Policy]

Condition #8854
For S-33 [Maintenance Coating Operation]

1. The Owner/Operator shall not use more than ~~Net annual coating usage at this source shall not exceed~~ 1100 gallons of coating in any consecutive 12-month period. [basis: cumulative increase]

2. The Owner/Operator shall not use more than ~~Net annual solvent usage at this source shall not exceed~~ 400 gallons of cleanup solvent in any consecutive 12-month period. [basis: cumulative increase]

3. The Owner/O~~o~~perator shall maintain a log of all materials used in this operation. The log shall contain the following information: [basis: Regulation 8-19-501]

VI. Permit Conditions ~~(continued)~~

a) quantities of each type of coating used with components and mix ratios listed if applicable,
b) substrate that each coating is applied to and the District Regulation that applies,
c) VOC content of each coating,
d) if a cleaning solvent is used log type and amount.

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

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

Condition #7938
For S-34, 35, 37 [Oily Water Treatment System]

*1. The Owner/Operator shall ensure that t~~T~~he total throughput of the wastewater ~~that is normally being~~ treated at sources S-34, S-35 and S-37 does~~shall~~ not exceed 32,000,000 gallons during any consecutive twelve-month period. [basis: cumulative increase]
*2. The Owner/Operator shall ensure that t~~T~~he combined throughput of storm water and wastewater ~~that are being~~ treated at sources S-34, S-35 and S-37 does~~shall~~ not exceed 90,000,000 gallons during any consecutive twelve-month period. [basis: cumulative increase]
*3. In order to demonstrate compliance with the Parts 1 and 2~~conditions~~ above, the owner/operator of sources S-34, S-35 and S-37 shall maintain the following records in a District-approved log. These records shall be kept on site and made readily available for District inspection upon request. The records shall be kept for a period of at least five (5) years from the date on which a record is made. [basis: Regulation 8-8-501]
    a. Daily total throughput of wastewater and storm water, summarized on a monthly basis.
    b. Daily throughput of wastewater, as calculated using District-approved procedures, and summarized on a monthly basis.
    c. Daily hours of operation, summarized on a monthly basis.
    d. Identification of days on which it rains in sufficient quantities so as to contribute storm water to the throughput of these sources.

Condition #8855
For S-40 [Wipe Cleaning Operation]

VI. Permit Conditions ~~(continued)~~

1. The Owner/Operator shall ensure that the n~~N~~et ~~annual~~ solvent usage at this source shall not exceed 100 gallons in any consecutive 12-month period. [basis: cumulative increase]
2*. The Owner/Operator shall ensure that the n~~N~~et annual 1,1,1 Trichloroethane usage at this source shall not exceed 25 gallons in any consecutive 12-month period. [basis: cumulative increase]
3. The Owner/O~~o~~perator shall maintain a log of all materials used in this operation. The log shall contain the following information: [basis: Regulation 8-16-501]
   a. Quantities of each type of solvent used at this source
   b. Quantities of each type of solvent recovered for disposal or recycling
   c. Net usage of each type of solvent

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

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

Condition #15870
S-100, Sand Blast Facility

1. The Owner/Operator shall route a~~A~~ll particulate matter emissions from S-100, Sand Blast Facility, ~~shall be routed~~ to the~~baghouse,~~ A-100, Baghouse (basis: Regulation 6-301 and 6-310)

2. The Owner/Operator shall inspect t~~T~~he baghouse ~~shall be inspected~~ at a minimum of every five (5) days of operation to ensure proper operation. The following items shall be checked:

   a. The baghouse exhaust shall be checked for evidence of particulate breakthrough. If breakthrough is evident from plume observations, or dust buildup near the stack outlet, the filter bags shall be checked for any tears, holes, abrasions, and scuffs, and replaced as needed.
   b. All hoppers shall be discharged in a timely manner.
   c. The shaker cleaning system shall be maintained and operated at sufficient intervals to ensure proper collection per the manufacturer's instructions. (basis: Regulation 2-6-501)

VI. Permit Conditions ~~(continued)~~

3. In order to demonstrate compliance with the above permit conditions, the Owner/Operator shall maintain the following records ~~shall be maintained~~ in a District approved log. These records shall be kept on site and made readily available for District inspection upon request. The records shall be kept for a period of at least five years from the date on which a record is made.

   a. Records of all inspections and all maintenance work including bag replacement for the baghouse. Records of each inspection shall consist of a log containing the date of inspection and the initials of the personnel that inspects the baghouses.
   (basis: Regulation 2-6-501)

VI. Permit Conditions ~~(continued)~~

~~Condition #16237~~
~~S-9, S-10 Boilers~~

~~[Basis for Condition Nos. 1 through 12: Originally derived from District Regulation 9, Rule 11, and subsequently extended under authority of CEQA Mitigation Measure 4.5-5, Final EIR, as certified by the CEQA Lead Agency, CPUC Commissioners Decision 98-11-064, Nov. 19, 1998.]~~

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

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

~~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.* Boilers S-9 and S-10 shall burn only natural gas unless the gaseous fuel is not available because of a force majeure natural gas curtailment.~~

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

~~a. An unforeseeable failure or malfunction, not resulting from an intentional act or omission that the California Public Utilities Commission (CPUC)~~

VI. Permit Conditions ~~(continued)~~

~~**Condition #16237**~~
~~S-9, S-10 Boilers~~

~~or the Independent System Operator (ISO) finds to be due to an act of gross negligence on the part of the owner or operator of the boiler; or~~
~~b. A natural disaster; or~~
~~c. The natural gas is curtailed pursuant to CPUC rules or orders; or~~
~~d. The serving natural gas utility provides notice to the District that, with forecasted natural gas supplies and demands, natural gas service is expected to be curtailed pursuant to CPUC or ISO rules or orders.~~
~~[Basis: CEQA]~~

~~3.* Boilers S-9, S-10, and all other electric generating steam boilers in the electric power generating system of which they are a part, are subject to the following systemwide nitrogen oxides (NOx) emission rate limits, expressed as pounds of NOx per million BTU of heat input, calculated on a clock-hour basis, excluding boilers on force majeure natural gas curtailment. These limits become effective on January 1 of the year specified:~~

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

~~4.* 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 NOx 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 NOx emission rate in Condition No. 3 shall be taken as the average NOx 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]~~

VI. Permit Conditions ~~(continued)~~

~~Condition #16237~~
~~S-9, S-10 Boilers~~

~~5.* Emissions of CO from each of the Boilers S-9 and S-10, except during startup or shutdown periods, shall not exceed the following limits:~~

~~400 ppmv, dry at 3 percent oxygen, during steady state compliance source tests, using District Source Test Method 6.~~
~~1000 ppmv, dry at 3 percent oxygen, during all other periods of operation (CEMS compliance monitoring), based on a clock hour average. [Basis: CEQA]~~

~~6.* Emissions of ammonia from each of the Boilers S-9 and S-10, 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 for each boiler shall not exceed twelve (12) hours unless catalytic reaction temperature has not been reached, if applicable.~~

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

~~8.* For the purposes of compliance with the emission limits in Condition Nos. 3, 4, 5, and 6, the duration of each shutdown period for each boiler shall not exceed eight (8) hours.~~

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

~~9.* To demonstrate compliance with the NOx and CO emission limits in Condition Nos. 3 and 5, respectively, the owner and/or operator of Boilers S-9 and S-10 shall install, maintain, and operate District approved, in-stack, continuous emission monitoring systems (CEMS) for NOx, CO, and O_2 or CO_2 (in lieu of O_2) for each of the affected boilers. [Basis: CEQA]~~

VI. Permit Conditions ~~(continued)~~

~~Condition #16237~~
~~S-9, S-10 Boilers~~

~~10.* To demonstrate compliance with the systemwide NOx emission limits in Condition No. 3, the owner and/or operator of Boilers S-9, and S-10 shall install, maintain, and operate a District approved, non-resettable, totalizing and continuous recording fuel meter in each fuel line of each boiler. [Basis: CEQA]~~

~~11.* To demonstrate compliance with the ammonia emission limit in Condition No 6, the owner and/or operator of Boilers S-9 and S-10 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 Boilers S-9 and S-10 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 O_2 or CO_2.~~
- ~~c. Source test measurements for NOx, CO, O_2, CO_2, 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]~~

VII. APPLICABLE ~~EMISSION~~ LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

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

Table VII-A
S-9, Utility Boiler No. 9
~~S-10, Utility Boiler No. 10~~

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	Y~~N~~		Ringelmann No.1 during any 3 min/hr		~~C~~N	~~COM~~
	~~BAAQMD 6-302~~	~~Y~~		~~< 20% opacity during any 3 min/hr~~	~~BAAQMD 1-520.1~~	~~C~~	~~COM~~
	BAAQMD 6-304	Y		Ringelmann No. 2 during tube cleaning		~~C~~N	~~COM~~
FP	BAAQMD 6-310.3	Y		0.15 grains/dscf @ 6% O_2		N	
PM	40 CFR 75	Y		None	40 CFR 75.14(c)	~~C~~N	~~COM~~

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

Table VII-A
S-9, Utility Boiler No. 9
~~S-10, Utility Boiler No. 10~~

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
SO_2	BAAQMD 9-1-301	N		Ground Level Concentration[‡] of 0.5 ppm for 3 minutes or 0.25 ppm for 60 minutes or 0.05 ppm for 24 hours		N	
SO2	BAAQMD 9-1-302	Y		300 ppmvd		N	
	~~BAAQMD 9-1-304~~	~~Y~~		~~Sulfur content of non-gaseous fuel <0.5% by weight~~		~~N~~	
SO2	40 CFR 75	Y		None	40 CFR 75	~~P/D (fuel oil only)~~P/Q	~~Fuel analysis~~ 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~~	~~N~~		~~heat input weighted average of emissions when natural gas and oil fired simultaneously~~		~~C~~	~~CEMS~~
	BAAQMD 9-11-302.1.1	Y		175 ppmv @ 3% O_2 (dry basis) for natural gas firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS

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

Table VII-A
S-9, Utility Boiler No. 9
~~S-10, Utility Boiler No. 10~~

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
NOx	~~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~~
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~~
NOx~~X~~	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~~		~~0.115 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
	~~BAAQMD 9-11-309.1~~	~~N~~		~~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

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

Table VII-A
S-9, Utility Boiler No. 9
~~S-10, Utility Boiler No. 10~~

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
NOx	~~BAAQMD Permit Condition 16327, #3~~	~~N~~		~~0.188 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
NOx	~~BAAQMD Permit Condition 16327, #3~~	~~N~~		~~0.160 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
	~~BAAQMD Permit Condition 16327, #3~~	~~N~~		~~0.115 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
NOx~~X~~	~~BAAQMD Permit Condition 16327, #3~~	~~N~~		~~0.105 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
	~~BAAQMD Permit Condition 16327, #3~~	~~N~~	~~1/1/02~~	~~0.057 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
	BAAQMD Permit Condition 16327, #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 16327, #3	N	1/1/05	0.018 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	40 CFR 75	Y		None	40 CFR 75	C	CEMS
CO	BAAQMD 9-11-310.1	Y		400 ppmv @ 3% O_2 (dry basis) during steady state compliance tests	BAAQMD 9-11-501, 503	C	CEMS

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

Table VII-A
S-9, Utility Boiler No. 9
~~S-10, Utility Boiler No. 10~~

Type of Limit ~~Pollutant~~	~~Emission Limit~~ Citation of Limit	FE Y/N	Future Effective Date	~~Emission~~ Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD 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 16327, #5a~~	~~N~~		~~400 ppmv @ 3% O_2 (dry basis) during steady state compliance tests~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
CO	~~BAAQMD Permit Condition 16327, #5b~~	~~N~~		~~1000 ppmv @ 3% O_2 (dry basis) during all operations other than steady state compliance tests on a clock hour average~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
Ammonia	BAAQMD 9-11-311	Y		10 ppmv @ 3% O_2 (dry basis) based on rolling 60 minute average upon installation of an applicable control device	BAAQMD 9-11-402	P/Q	Quarterly Tests Upon Installation of an Applicable Control Device
	~~BAAQMD Permit Condition 16327, #6~~	~~N~~		~~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~~

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

Table VII-A
S-9, Utility Boiler No. 9
~~S-10, Utility Boiler No. 10~~

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
Lead	BAAQMD 11-1-301	Y		6.75 kg/day		N	None~~N/A~~
Lead	BAAQMD 11-1-302	Y		1.0 microgram ~~g~~/m^3 averaged over 24 hours		N	None~~N/A~~
CO_2	40 CFR 75	Y		None	40 CFR 75	C	CEMS

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

Table VII-B
S-10, Utility Boiler No. 10

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
~~TSP~~ Opacity	BAAQMD 6-301	Y		Ringelmann No.1 during any 3 min/hr		N	
	BAAQMD 6-304	Y		Ringelmann No. 2 during tube cleaning		N	
FP	BAAQMD 6-310.3	Y		0.15 grains/dscf @ 6% O_2		N	
PM	40 CFR 75	Y		None	40 CFR 75.14(c)	N	
SO_2	BAAQMD 9-1-301	N		Ground Level Concentration 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	
SO2	40 CFR 75	Y		None	40 CFR 75	P/Q	calculations
NOx	BAAQMD 9-3-301	N		175 ppmv @ 3% O_2 (dry basis) for natural gas firing		C	CEMS
	BAAQMD 9-11-302.1.1	Y		175 ppmv @ 3% O_2 (dry basis) for natural gas firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
	~~BAAQMD 9-11-302.1.2~~	~~Y~~		~~300 ppmv @ 3% O_2 (dry basis) for oil firing based on a clock hour average~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~

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

Table VII-B
S-10, Utility Boiler No. 10

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~~		~~0.160 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
	~~BAAQMD 9-11-309.1~~	~~N~~		~~0.115 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
	~~BAAQMD 9-11-309.1~~	~~N~~		~~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		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
	~~BAAQMD Permit Condition 16327, #3~~	~~N~~		~~0.188 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~

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

Table VII-B
S-10, Utility Boiler No. 10

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 Permit Condition 16327, #3~~	~~N~~		~~0.160 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
	~~BAAQMD Permit Condition 16327, #3~~	~~N~~		~~0.115 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
	~~BAAQMD Permit Condition 16327, #3~~	~~N~~		~~0.105 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
	~~BAAQMD Permit Condition 16327, #3~~	~~N~~	~~1/1/02~~	~~0.057 lbs/MMBTU system-wide average on a clock hour basis~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
	BAAQMD Permit Condition 16327, #3	N		0.037 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16327, #3	N	1/1/05	0.018 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	40 CFR 75	Y		None	40 CFR 75	C	CEMS
CO	BAAQMD 9-11-310.1	Y		400 ppmv @ 3% O_2 (dry basis) during steady state compliance tests	BAAQMD 9-11-501, 503	C	CEMS
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

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

Table VII-B
S-10, Utility Boiler No. 10

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	~~BAAQMD Permit Condition 16327, #5a~~	~~N~~		~~400 ppmv @ 3% O_2 (dry basis) during steady state compliance tests~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
	~~BAAQMD Permit Condition 16327, #5b~~	~~N~~		~~1000 ppmv @ 3% O_2 (dry basis) during all operations other than steady state compliance tests on a clock hour average~~	~~BAAQMD 9-11-501, 503~~	~~C~~	~~CEMS~~
Ammonia	BAAQMD 9-11-311	Y		10 ppmv @ 3% O_2 (dry basis) based on rolling 60 minute average upon installation of an applicable control device	BAAQMD 9-11-402	P/Q	Quarterly tests
	~~BAAQMD Permit Condition 16327, #6~~	~~N~~		~~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	None
Lead	BAAQMD 11-1-302	Y		1.0 microgram/m^3 averaged over 24 hours		N	None
CO_2	40 CFR 75	Y		None	40 CFR 75	C	CEMS

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

Table VII-B
S-20, Service Station

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
~~VOC~~	~~BAAQMD Regulation 8-7-301.2~~	~~Y~~		~~95% recovery of gasoline vapors~~		~~N~~	
VOC	BAAQMD Regulation 8-7-301.1	Y		Installed and modified only if the system is 98% controlled or highest vapor recovery rate specified by CARB		Event	CARB Re-certification
VOC	BAAQMD Regulation 8-7-301.6	Y		Leak Free and Vapor Tight on Phase I Equipment	BAAQMD Regulation 8-7-301.13	P/A	Source Test
VOC	BAAQMD Regulation 8-7-302.8	Y		Minimum liquid removal of 5ml/gal95% recovery of gasoline vapors		N	Pending on CARB Certification in 2008
VOC	BAAQMD Regulation 8-7-302.10	Y		Connector between riser and dispenser < 1 inch diameter		N	Visual Check
VOC	BAAQMD Regulation 8-7-302.12	Y		Liquid retain in nozzle < 100 ml/1000 gal		N	Pending on CARB Certification in 2008
VOC	BAAQMD Regulation 8-7-302.13	Y		Spitting from nozzle < 1 ml/nozzle		N	Pending on CARB Certification in 2008

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

Table VII-B
S-20, Service Station

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
Fuel Through-put	BAAQMD Permit Condition ~~6583~~	N		~~1.7~~ million gallons in any 12 consecutive months	BAAQMD Regulation 8-7-503	P/M	Records
VOC	BAAQMD Regulation 8-7-302.14.2	Y		Dynamic back pressure <0.15, 0.45, 0.95 inches of water when measured flow rate of 20, 60, and 100 CFH	BAAQMD Regulation 8-7-302.14	P/A	Source Test

Table VII-C
S-33, Maintenance Coating Operation

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
VOC	BAAQMD Regulation 8-3-302	Y		content of air dried coating < 250 g/l	Regulation 8-3-403	P/E	Labeling & Records
	BAAQMD Regulation 8-3-304	Y		content of coatings < specified VOC content	Regulation 8-3-403	P/E	Labeling & Records
	BAAQMD Regulation 8-19-302	Y		content of air dried coating < 2.8 lbs/gal	Regulation 8-19-501	P/E	Records

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

Table VII-C
S-33, Maintenance Coating Operation

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 Regulation 8-19-312	Y		content of coatings < specified VOC content	Regulation 8-19-501	P/E	Records
Coating Usage	BAAQMD Permit Condition 8854 part 1	Y		1100 gallons in any 12 consecutive months	BAAQMD Permit Condition 8854 part 3	P/E	Records
Solvent Usage	BAAQMD Permit Condition 8854 part 2	Y		400 gallons in any 12 consecutive months	BAAQMD Permit Condition 8854 part 3	P/E	Records

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

Table VII-D
S-34, Fixed Roof Oil Water surge Tank
S-35, API Separator
S-37, Dissolved Air Flotation (DAF)

Type of Limit ~~Pollutant~~	~~Emission~~ Limit Citation	FE Y/N	Future Effective Date	~~Emission~~ Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-112	Y	~~current~~	1.0 ppm critical organic compounds @ 68 °F	N/A	P/ Semi-annual	Sampling
Wastewater throughput	BAAQMD Permit Condition 7938 part 1	Y		32,000,000 gallons in any 12 consecutive months	BAAQMD Permit Condition 7938 part 3	P/E	Records
Wastewater And Stormwater throughput	BAAQMD Permit Condition 7938 part 2	Y		90,000,000 gallons in any 12 consecutive months	BAAQMD Permit Condition 7938 part 3	P/E	Records

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

Table VII-E
S-40, Wipe Cleaning-Facility Wide

Type of Limit ~~Pollutant~~	~~Emission~~ Limit Citation	FE Y/N	Future Effective Date	~~Emission~~ Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-16-304	Y		Trichloroethylene usage ≤ 3.2 gallons per day	8-16-501	P/E	Records
Solvent Usage	BAAQMD Permit Condition 8855 part 1	Y		100 gallons in any 12 consecutive months	BAAQMD Permit Condition 8855 part 3	P/E	Records
1,1,1 Trichloro-ethane	BAAQMD Permit Condition 8855 part 2	N		25 gallons in any 12 consecutive months	BAAQMD Permit Condition 8855 part 3	P/E	Records

Table VII-F
S-100, Sand Blasting Facility

Type of Limit ~~Pollutant~~	~~Emission~~ Limit Citation	FE Y/N	Future Effective Date	~~Emission~~ Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
~~TSP~~ Opacity	BAAQMD Regulation 6-301	Y		Ringelmann 1 ~~less than 1 for more than~~ for 3 minutes/hr	BAAQMD Cond #15870, part 1 and 2	P/every 5 events	Inspection
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Cond #15870, part 1 and 2	P/every 5 events	Inspection
~~Opacity~~	~~SIP 6-301~~	~~Y~~		~~Ringelmann No. 1 for 3 minutes/hr~~	~~BAAQMD Cond #15870, part 1 and 2~~	~~P/every 5 events~~	~~Inspection~~

VIII. TEST METHODS

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

Table VIII
Test Methods

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 6-310~~Regulation 6-310.3~~	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 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 8-7-302	Phase II Vapor Recovery Requirements	Manual of Procedures, Volume IV, ST-27, Dynamic Back Pressure; ST-30, Vapor Tightness; ST-37, Liquid Removal; ST-39, Air to Liquid Volume Ratio; and ST-41, Liquid Retain and Spitting from Nozzles
BAAQMD 8-7-301.2	Gasoline Vapor Recovery	BAAQMD Manual of Procedures, Volume IV, ST-36, Gasoline Dispensing Facility Phase I Volumetric Efficiency

VIII. Test Methods ~~(continued)~~

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
~~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 8-8-112	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
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 9-1-302	General Emission Limitation	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 9-11-302	NOx Emissions from Utility Electric Power Generating Boilers, Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 1.75 billion BTU/hour	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.1	NOx Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.2	NOx Emissions from Utility Electric Power Generating Boilers, Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.3	NOx Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel and Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-308	System-wide NOx Emission Rate Limit	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-309	Advanced Technology Alternative Emission Control Plan	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-309.1	System-wide NOx Emission Rate Limits	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide

VIII. Test Methods ~~(continued)~~

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-11-310.1	CO Emission Limits During Steady-State Compliance Tests	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6,
BAAQMD 9-11-310.2	CO Emission Limits During Normal Operations	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-311	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	District Manual of Procedures, Volume IV, ST-1B, EPA Method 350.3 and Determination of Ammonia, or alternative method approved by the APCO
BAAQMD 11-1-301	Hazardous Pollutants, Lead, Daily Emissions	District Manual of Procedures, Volume IV, ST-9, Determination of Daily Emission Limits
~~BAAQMD Permit Condition 16327, #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 16327, #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 16327, #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 16327, #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. REVISION HISTORY

Initial Issuance	September 14, 1998
Administrative amendments	April 1, 1999
Minor revision and administrative amendments: Addition of SCR for S10, Boiler	October 19, 2000
Renewal	

X. ACID RAIN PERMIT

Title IV Acid Rain Permit

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

ISSUED TO:
~~Southern Energy~~ Mirant Delta, L.L.C.
Contra Costa Power Plant
P.O. Box 249
Antioch, CA 94509

FACILITY SITE LOCATION:
3201 Wilbur Avenue
Antioch, CA 94509

ISSUED BY:

~~Ellen Garvey~~ Jack Broadbent, Executive Officer/ Air Pollution Control Officer — Date

Nature of Business
Type of Facility: Electric Generation
Primary SIC: 4911

DESIGNATED REPRESENTATIVE:

Name: ~~Mark A. Gouveia~~ Ann M. Cleary
Title: ~~Production Manger~~ President, Mirant California
Phone: (925) 427-3510

ALTERNATE DESIGNATED REPRESENTATIVE:

Name: ~~Ronald M. Kino~~ Lisa D. Johnson
Title: ~~Environmental, Health and Safety Manager~~ President, Mirant Mid-Atlantic
Phone: ~~(925) 427-3545~~
(310)- 669-8020

X. Acid Rain Permit

ACID RAIN PERMIT CONTENTS

1) Statement of Basis
2) SO2 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 District Rule Regulation 2, Rule 7.

2) SO2 ALLOWANCE ALLOCATIONS

	~~Year~~	~~1998~~	~~1999~~	~~2000~~	~~2001~~	~~2002~~
~~BOILER 9 BAAQMD S-9~~	~~SO_2 allowances under Tables 2, 3, or 4 of 40 CFR Part 73~~	~~NA~~	~~NA~~	~~356*~~	~~356*~~	~~356*~~
	~~NOx Limit~~	~~This unit is not subject to the NOx requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.~~				

	~~Year~~	~~1998~~	~~1999~~	~~2000~~	~~2001~~	~~2002~~
~~BOILER 10 BAAQMD S-10~~	~~SO_2 allowances under Tables 2, 3, or 4 of 40 CFR Part 73~~	~~NA~~	~~NA~~	~~4252*~~	~~4252*~~	~~4252*~~
	~~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.~~				

X. Acid Rain Permit

	Year	2004	2005	2006	2007	2008
BOILER 9 BAAQMD S-9	SO_2 allowances under Tables 2, 3, or 4 of 40 CFR Part 73	285*	285*	285*	285*	285*
	NOx Limit	This unit is not subject to the NOx requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.				

	Year	2004	2005	2006	2007	2008
BOILER 10 BAAQMD S-10	SO_2 allowances under Tables 2, 3, or 4 of 40 CFR Part 73	285*	285*	285*	285*	285*
	NOx Limit	This unit is not subject to the NOx requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.				

* The ~~number of allowances allocated to Phase II affected units by USEPA may change in a 1998 revision to 40 CFR part 73 Tables 2, 3, and 4. In addition, the~~ number of allowances actually held by an affected source in a unit account may differ from the number allocated by USEPA and would not require ~~. Neither of the aforementioned conditions necessitates~~ a revision to the unit SO_2 allowance allocations identified in this permit.

3) COMMENTS, NOTES AND JUSTIFICATIONS

None

4) PERMIT APPLICATION

~~Attached~~None

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.

CMS
Continuous Monitoring System

CO
Carbon Monoxide

COM

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.

Excluded
Not subject to any District Regulations.

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

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

FR
Federal Register

GDF

Gasoline Dispensing Facility

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.

X. Glossary

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

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

MOP
The District's Manual of Procedures.

N/A

Not Applicable

NAAQS
National Ambient Air Quality Standards

NESHAPS
National Emission Standards for Hazardous Air Pollutants. Contained 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 both 40 CFR Part 60 and District Regulation 10.

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

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

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

POC

X. Glossary

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.

SCR
A "selective catalytic reduction" unit is an abatement device that reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

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

SO2
Sulfur dioxide

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

TRMP

Toxic Risk Management Plan

TSP
Total Suspended Particulate

VMS

Branched, cyclic, or linear completely methylated siloxane

VOC
Volatile Organic Compounds

Units of Measure:

bhp	=	brake-horsepower
Btu	=	British Thermal Unit
g	=	grams
gr	=	grain, when referring to particulate; gram when referring to VOC

X. Glossary

gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
MM	=	million
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

~~XII.APPENDIX A – APPLICABLE STATE IMPLEMENTATION PLAN~~

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

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

~~See Attachments~~

XII. ACID RAIN PERMIT APPLICATION