Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Mirant Delta, L.L.C., Pittsburg Power Plant
Facility #A0012

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

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

Primary Responsible Official	Secondary Responsible Official	Facility Contact
James P. Garlick	Robert E. Driscoll	Tom Bertolini
Vice President, Operations	Senior Vice President	Sr. Environmental Engineer
(678) 579-5040	(678) 579-5744	(925) 427-3503

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

BAAQMD Engineering Division Contact:
Thu Bui

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Kelly Wee for Jack P. Broadbent — June 26, 2007
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer — Date

TABLE OF CONTENTS

I. STANDARD CONDITIONS 3

II. EQUIPMENT LIST 8

III. GENERALLY APPLICABLE REQUIREMENTS 10

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS 12

V. SCHEDULE OF COMPLIANCE 25

VI. PERMIT CONDITIONS 25

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS 30

VIII. TEST METHODS 40

IX. REVISION HISTORY 44

X. GLOSSARY 45

XI. TITLE IV ACID RAIN PERMIT 50

XII. TITLE IV ACID RAIN APPLICATION 53

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);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 8/1/01);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99); and
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03.

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

1. This Major Facility Review Permit was issued on April 15, 2005, and expires on March 31, 2010. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than September 30, 2009, and no earlier than March 31, 2009. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after March 31, 2010.** If the permit renewal has not been issued by March 31, 2010, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)

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

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

I. Standard Conditions

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

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

E. Records

I. Standard Conditions

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of entry. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

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

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

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

G. Compliance Certification

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

I. Standard Conditions

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

H. Emergency Provisions

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

2 The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)

3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement unless the Major Facility Review Permit has been modified pursuant to Regulation 2, Rule 6. (MOP Volume II, Part 3, §4.8)

I. Severability

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

J. Miscellaneous Conditions

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

K. Accidental Release

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

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

1. The permit holder shall hold one sulfur dioxide allowance for each ton of sulfur dioxide emitted during the calendar year on March 1st of the following year (or February 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 or O2 and NOx shall be maintained and operated in accordance with 40 CFR Parts 72 and 75. (Regulation 2-7, Acid Rain)

I. Standard Conditions

3. A written Quality Assurance program must be established in accordance with 40 CFR Part 75, Appendix B for NOx which includes, but is not limited to: procedures for daily calibration testing, quarterly linearity testing, record keeping and reporting implementation, and relative accuracy testing. (Regulation 2-7, Acid Rain)
4. The permit holder shall monitor SO2 emissions in accordance with 40 CFR Part 72 and 75. (Regulation 2-7, Acid Rain)
5. The permit holder shall submit quarterly Electronic Data Reports (EDRs) to EPA for Boilers S-5, S-6, and S-7. These reports must be submitted within 30 days following the end of each calendar quarter and shall include all information required in § 75.64. (40 CFR Part 75)

II. EQUIPMENT LIST

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	Capacity
S-5	Boiler No. 5 - Electric Generation, Gas Fired	Babcock and Wilcox	radiant reheat	3,300 MMBTU/hr
S-6	Boiler No. 6 - Electric Generation, Gas Fired	Babcock and Wilcox	radiant reheat	3,300 MMBTU/hr
S-7	Boiler No. 7 - Electric Generation, Gas Fired	Combustion Engineering	super-critical combined circulation	6,854 MMBTU/hr
S-36	Emergency Diesel Generator	IC Engine	Cummins NHRS-6-B1	320 hp; 16.6 gal/hr
S-49	No. 7-1 Diesel Fire Pump	IC Engine	Cummins NT-280-IF	255 hp 16.0 gal/hr
S-51	No. 7-2 Diesel Fire Pump	IC Engine	Cummins NT-280-IF	255 hp 16.0 gal/hr
S-53	No. 7-3 Diesel Fire Pump	IC Engine	Cummins 855-F3	255 hp 13.5 gal/hr
S-58	Service Station, G# 8348	Emco Wheaton	A-3003/A-3005	1000 gal; 1 nozzle
S-62	Oil - Water Separator	custom design		750 gal/min
S-63	Dissolved Air Flotation Unit (DAF)	Serck Baker		750 gal/min
S-70	Paint Spray Operation - Maintenance	Graco Binks	5000 Mach 1 HVLP	
S-71	Solvent Wipe Cleaning Operation	custom design		
S-72	Sand Blasting Facility	custom design		2 ton/hr
S-73	Cooling Tower 1	Marley	6615-4-13	186,000 GPM
S-74	Cooling Tower 2	Marley	6615-4-13	186,000 GPM

II. Equipment List

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-5	Selective Catalytic Reduction	S-5	BAAQMD 9-11-309.1		*
A-6	Selective Catalytic Reduction	S-6	BAAQMD 9-11-309.1		*
A-72	Dust Collector System	S-72	Regulation 6-301		0.15 gr/dscf for < 3 min/hr

* S-5 and S-6 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 will not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit. This section also contains provisions that may apply to temporary sources.

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is:

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. All sources must comply with both versions of a rule until the U.S. EPA has reviewed and approved the District's revision of the regulation.

Table III

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N

III. Generally Applicable Requirements

Table III

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	N
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Sulfur Dioxide	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (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
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
40 CFR Part 61, Subpart M	National Emission Standards Hazardous Air Pollutants, Asbestos	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

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

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

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

http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1.
All other text may be found in the regulations themselves.

Table IV-A
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-520	Continuous Emission Monitoring	Y	
1-520.1	Steam Generators Rated 250 MMBTU or More Per Hour	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
1-522.1	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	

IV. Source-Specific Applicable Requirements

Table IV-A
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522.5	Calibration	Y	
1-522.6	Accuracy	Y	
1-522.7	Excesses	N	
1-522.8	Monthly Reports	Y	
1-522.9	Records	Y	
1-522.10	Monitors Required by Sections 1-521 or 2-1-403	Y	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
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 Number 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	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
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, gaseous fuel firing	Y	

IV. Source-Specific Applicable Requirements

Table IV-A
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-11-308	System-wide NOx Emission Rate Limit	Y	
9-11-309	Advanced Technology Alternative Emission Control Plan	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.018 lb/MMBTU	N	
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	
9-11-310.2	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	
9-11-401	Compliance Schedule - Emissions Limits	Y	
9-11-402	Initial and Annual Demonstration of Compliance	Y	
9-11-501	Fuels Monitoring	Y	
9-11-502	Modified Maximum Heat Input Capacity	Y	Upon physical modification affecting max. heat input
9-11-503	Emissions Monitoring	Y	
9-11-504	Records	Y	
9-11-505	Reporting Requirements	Y	
9-11-604	Compliance Determination	Y	
9-11-605	Determination of 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	

IV. Source-Specific Applicable Requirements

Table IV-A
S-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 72	**Title IV – Acid Rain Program**	Y	
40 CFR Part 75	**Code of Federal Regulations, Continuous Emissions Monitoring**	Y	
BAAQMD Condition #401	**Permit Conditions**		
Part 1	Natural Gas Firing (Basis: Regulation 2-1-301)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-520	Continuous Emission Monitoring	Y	
1-520.1	Steam Generators Rated 250 MMBTU or More Per Hour	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
1-522.1	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	N	
1-522.8	Monthly Reports	Y	
1-522.9	Records	Y	
1-522.10	Monitors Required by Sections 1-521 or 2-1-403	Y	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Number 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	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
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, gaseous fuel firing	Y	
9-11-308	System-wide NOx Emission Rate Limit	Y	
9-11-309	Advanced Technology Alternative Emission Control Plan	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.018 lb/MMBTU	N	
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	
9-11-310.2	CO Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-11-311	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	Y	Upon installment of an applicable emission control device
9-11-401	Compliance Schedule - Emissions Limits	Y	
9-11-402	Initial and Annual Demonstration of Compliance	Y	
9-11-501	Fuels Monitoring	Y	
9-11-502	Modified Maximum Heat Input Capacity	Y	Upon physical modification affecting max. heat input
9-11-503	Emissions Monitoring	Y	
9-11-504	Records	Y	
9-11-505	Reporting Requirements	Y	
9-11-604	Compliance Determination	Y	
9-11-605	Determination of 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 #401	**Permit Conditions**		
Part 1	Natural Gas Firing (Basis: Regulation 2-1-301)	Y	

IV. Source-Specific Applicable Requirements

Table IV–C
S-36 EMERGENCY DIESEL GENERATOR
S-49, S-51 AND S-53 DIESEL FIRE PUMPS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303	Ringelmann No. 2 Limitation	Y	
6-303.1	Ringelmann No. 2 Limitation for standby sources of motive power	Y	
6-310.1	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Liquid and Solid Fuels	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/2001)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
BAAQMD Condition # 21654	**Permit Conditions**		
Part 1	Fuel Certification (Basis: Regulation 2-6-409.2, 501)	Y	
Part 2	Hours of Operation (Basis: Regulation 9-8-311)	Y	
Part 3	Non-Resettable meter (Basis: Regulation 9-8-530)	Y	
Part 4	Records (Basis: Regulation 9-8-530 and 1-441)	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 7	**Organic Compounds, Gasoline Dispensing Facilities (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 1 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 Certified Phase II System	Y	
8-7-302.2	Maintenance of Phase II System 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 2008
8-7-302.13	Spitting Limit	Y	October 2008
8-7-302.14	Conduct and Passing Test once per 12 month period	Y	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	Contingent Vapor Recovery Requirements	Y	
8-7-311	Exempt Tanks Requirements	Y	
8-7-313	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	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	Record Keeping 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 #6583	**Permit Condition**		
Part 1	Fuel Throughput Limitation [basis: Toxic Risk Policy]	N	

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Organic Compounds, Wastewater (Oil-Water) Separator (6/15/94)**		
8-8-112	Exemption, Wastewater Critical Organic Compound Concentration And/Or Temperature	Y	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	Y	
8-8-303	Gauging and Sampling Devices	Y	
8-8-305	Oil-Water Separator And/Or Air Flotation Unit Slop Oil Vessels	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	Y	
8-8-502	Wastewater Critical Organic Compound Concentration And/Or Temperature Records	Y	
8-8-503	Inspection and Repair Records	Y	
BAAQMD Condition #10431	**Permit Conditions**		
Part 1	Wastewater Throughput Limit [basis: cumulative increase]	N	
Part 2	Storm Water Throughput Limit [basis: cumulative increase]	N	
Part 3	Record Keeping Requirements [basis: Regulation 8-8-501]	Y	
Part 4	Exemption Requirements [basis: Regulation 8-8-502]	Y	

IV. Source-Specific Applicable Requirements

Table IV-F
S-70, Paint Spray Operation - Maintenance

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 3	**Organic Compounds, Architectural Coatings (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	
BAAQMD Regulation 8, Rule 19	**Organic Compounds - Surface Coating of Miscellaneous Metal Parts and Products (10/16/02)**		
8-19-110	Exemption - Low Usage Coatings	Y	
8-19-112	Exemption - Touch Up	Y	
8-19-113	Exemption - Specific Operations	Y	
8-19-117	Exemption - Stencil Coating	Y	
8-19-123	Exemption, Solid Film Lubricant	Y	
8-19-133	Exemption - Spray Application Equipment	Y	
8-19-136	Limited Exemption - Specialty Coatings	Y	
8-19-302	VOC Limits	Y	
8-19-307	Prohibition of Specification	Y	
8-19-312	Specialty Coating Limitations	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-321	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	

IV. Source-Specific Applicable Requirements

Table IV-F
S-70, Paint Spray Operation - Maintenance

BAAQMD Condition #8425	**Permit Conditions**		
Part 1	Total Coating Usage Limit (basis: cumulative increase)	Y	
Part 2	Net Cleanup Solvent Usage Limit (basis: cumulative increase)	Y	
Part 3	Record Keeping Requirements (basis: BAAQMD Regulation 8-19-501.2)	Y	

Table IV-G
S-71, Solvent Wipe Cleaning Operation

Applicable Requirement	**Regulation Title or Description of Requirement**	**Federally Enforceable (Y/N)**	**Future Effective Date**
BAAQMD Regulation 8, Rule 16	**Organic Compounds, Solvent Cleaning Operations (10/16/2002)**		
8-16-111	Exemption, Wipe Cleaning	Y	
8-16-501	Solvent Records	Y	
8-16-501.2	Facility-wide Annual Solvent Usage Records	Y	
8-16-501.3	Annual Records of Type and Amount of Solvent Used for Wipe Cleaning	Y	
BAAQMD Condition #8427	**Permit Conditions**		
Part 1	Solvent Usage Limit (basis: cumulative increase)	Y	
Part 2	Record Keeping Requirements (basis: BAAQMD Regulation 8-16-501)	Y	

IV. Source-Specific Applicable Requirements

Table IV-H
S-72, Sand Blast Facility

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

Table IV - I
Source-specific Applicable Requirements
S-73 AND S-74, COOLING TOWERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	

V. SCHEDULE OF COMPLIANCE

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

VI. PERMIT CONDITIONS

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

Condition #401
For S-5, S-6, S-7 [Boilers Nos. 5, 6 & 7]

1. S-5 through S-7, Boilers, shall be fired exclusively on PUC quality natural gas. (basis: District Regulation 2-1-301)

Condition #6583
For S-58 [Service Station]

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

Condition #8425
For S-70 [Maintenance Coating Operation]

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

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

3. In order to demonstrate compliance with the above conditions, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of five (5) years from the date on which a record is made. [basis: Regulation 8-19-501]

Condition #8425
For S-70 [Maintenance Coating Operation]

VI. Permit Conditions

a The type, VOC content as applied, and amount of coating applied daily.
b. The substrate to which the coating is applied and the Rule and Section Number of Regulation 8 that limits the VOC content of the coating.

Condition #8425
For S-70 [Maintenance Coating Operation]

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

Condition #8427
For S-71 [Solvent Wipe Cleaning]

1. The net amount of Shell 140 solvent or a similar solvent with an equivalent VOC content used at Source S-71 shall not exceed 150 gallons in any consecutive 12 month period. [basis: cumulative increase]

2. In order to demonstrate compliance with the above conditions, the following records shall be maintained in a District-approved log. These records shall be kept on site and be available for District inspection for a period of five (5) years from the date on which a record is made. [basis: Regulation 8-16-501]

   a. The amount of each type of solvent used monthly
   b. The monthly quantity of solvent waste removed for disposal
   c. The monthly quantities shall be totaled on a quarterly basis

Condition #10431
For S-62, and S-63 [Oil-Water Separator]

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

*2. The total throughput of storm water that is being treated at sources S-62, and S-63, shall not exceed 90,720,000 gallons during any consecutive twelve month period. Estimates of the storm water treated by sources S-62 and S-63

VI. Permit Conditions

shall be compiled and maintained by the operator. [basis: cumulative increase]

Condition #10431
For S-62, and S-63 [Oil-Water Separator]

3. In order to demonstrate compliance with the above conditions, the owner/operator of S-62, and S-63shall maintain the following records in a District-approved log. These records shall be kept on site and made available for District inspection for a period of at least five (5) years from the date that the record was made. [basis: Regulation 8-8-501]
   a. Daily throughput of normal wastewater at S-62 and S-63, summarized on a monthly basis.

   b. Daily hours of operation, summarized on a monthly basis.
   c. Monthly estimate of storm water processed by sources S-62 and S-63, summarized on a yearly basis.

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

Condition #13445
For S-72 [Sand Blasting Facility]

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

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

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

VI. Permit Conditions

Condition #13445
For S-72 [Sand Blasting Facility]

4. In order to demonstrate compliance with the above conditions, the owner/operator of S-72 and A-72 shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of five (5) years from the date that the record was made. [basis: cumulative increase]

   a. Daily throughput of abrasive material, summarized on a monthly basis.
   b. Daily hours of operation, summarized on a monthly basis.

5. Visible particulate emissions from source S-72 and A-72 shall not exceed Ringelmann 1.0 or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. [basis: Regulation 6-301]

Condition # 21654
For S-36, Emergency Diesel Generator; S-49, S-51, and S-53, Diesel Fire Pumps

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

2. Hours of Operation: The owner/operator shall operate S-36, S-49, S-51, and S-53 only to mitigate emergency conditions or for reliability-related activities. Operating while mitigating emergency conditions is unlimited. Operation for reliability-related activities is limited to 200 hours each per any calendar year. [Basis: Regulation 9-8-331]

   "Emergency Conditions" is defined as any of the following:
   a. Loss of regular natural gas supply
   b. Failure of regular electric power supply
   c. Flood mitigation
   d. Sewage overflow mitigation
   e. Fire
   f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor. [Basis: Regulation 9-8-231]

VI. Permit Conditions

"Reliability-related activities" is defined as any of the following:

a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
b. Operation of an emergency standby engine during maintenance of a primary motor. "Reliability-related activities" is defined as any of the following: [Basis: Regulation 9-8-232]

3. The owner/operator shall equip the emergency standby engine with either:
   a. a non-resettable totalizing meter that measures the hours of operation for the engine; or
   b. a non-resettable fuel usage meter, the maximum hourly fuel rate shall be used to convert fuel usage to hours of operation. [Basis: Regulation 9-8-530]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 5 years and shall make the log available for District inspection upon request:
   a. Hours of operation (total)
   b. Hours of operation (emergency)
   c. For each emergency, the nature of the emergency condition.
   d. Fuel usage for engine if a non-resettable fuel usage meter is utilized. [Basis: Regulation 9-8-530 and 1-441]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

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-5, Boiler No. 5, Power Generation
S-6, Boiler No. 6, Power Generation

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 during any 3 min/hr		N	
	BAAQMD 6-304	Y		Ringelmann No. 2 during tube cleaning		N	
	40 CFR 75	Y		None	40 CFR 75.14(c)	N	
FP	BAAQMD 6-310.3	Y		0.15 grains/dscf @ 6% O_2		N	
SO_2	BAAQMD 9-1-301	Y		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	

VII. .Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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 9-11-308 BAAQMD 9-11-309.1	Y N		0.28 lbs/MMBTU system-wide average over previous 30 days 0.018 lbs/MMBTU system-wide average on a clock hour average	BAAQMD 9-11-501, 503 BAAQMD 9-11-501, 503	C C	CEMS CEMS
	40 CFR 75	Y		None	40 CFR 75	C	CEMS
	BAAQMD Permit Condition 16326, #3	N		0.037 lbs/MMBTU system wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD Permit Condition 16326, #3	N	1/1/05	0.018 lbs/MMBTU system wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
CO	BAAQMD 9-11-310.1	Y		400 ppmv @ 3% O_2 (dry basis) during steady state compliance tests	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-310.2	Y		1000 ppmv @ 3% O_2 (dry basis) during normal operation on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS

VII. .Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Ammonia	BAAQMD 9-11-311	Y		10 ppmv @ 3% O_2 (dry basis) based on rolling 60 minute average upon SCR	BAAQMD 9-11-402	P/Q	Quarterly tests
Lead	BAAQMD 11-1-301	Y		6.75 kg/day		N	None
	BAAQMD 11-1-302	Y		1.0 microgram/m^3 averaged over 24 hours		N	None

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 during any 3 min/hr		N	
	BAAQMD 6-304	Y		Ringelmann No. 2 during tube cleaning		N	
Opacity	40 CFR 75	Y		None	40 CFR 75.14(c)	N	
FP	BAAQMD 6-310.3	Y		0.15 grains/dscf @ 6% O_2		N	
SO_2	BAAQMD 9-1-301	Y		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	

VII. .Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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
NOx	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 9-11-308 BAAQMD 9-11-309.1	Y N		0.28 lbs/MMBTU system-wide average over previous 30 days 0.018 lbs/MMBTU system-wide average on a clock hour average	BAAQMD 9-11-501, 503 BAAQMD 9-11-501, 503	C C	CEMS 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 on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
Ammonia	BAAQMD 9-11-311	Y		10 ppmv @ 3% O_2 (dry basis) based on rolling 60 minute average upon installation of an applicable emission control device	BAAQMD 9-11-402	P/Q	Quarterly tests
Lead	BAAQMD 11-1-301	Y		6.75 kg/day		N	None

VII. .Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Lead	BAAQMD 11-1-302	Y		1.0 microgram/m^3 averaged over 24 hours		N	None

Table VII–C
S-36 EMERGENCY DIESEL GENERATOR
S-49, S-51 AND S-53 DIESEL FIRE PUMPS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Regulation 6-303.1	Y		Ringelmann 2.0	BAAQMD Regulation 6-401	P/W	Visible Inspection during reliability testing
FP	BAAQMD Regulation 6-310.1	Y		0.15 gr/dscf	None	N	None
SO_2	BAAQMD Regulation 9-1-301	Y		Property Line Ground Level Limits: < 0.5 ppm for 3 minutes and < 0.25 ppm for 60 min. and <0.05 ppm for 24 hours	None	N	None
SO_2	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Limit 0.5%	None	P/M	Vendor Certification
Diesel Sulfur Content	BAAQMD 21654, Part 1	N		0.5% by weight	BAAQMD Regulation 9-1-304	P/E	Certification of diesel sulfur content

VII. .Applicable Limits and Compliance Monitoring Requirements

Table VII–C
S-36 EMERGENCY DIESEL GENERATOR
S-49, S-51 AND S-53 DIESEL FIRE PUMPS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Operating time	BAAQMD Condition # 21654, Part 2	Y		200 hours per year	BAAQMD Condition # 21654, Part 4	P/D	Records

Table VII-D
S-58, Service Station

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-7-301.10	Y		Install ed & 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 & 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 rate of 5 ml/gal		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/1000gal		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 Limits and Compliance Monitoring Requirements

Table VII-D
S-58, Service Station

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-7-302.14.2	Y		Dynamic back pressure < 0.15, 0.45, 0.95" water when measure nitrogen flow rate of 20, 60 and 100 CFH	BAAQMD Regulation 8-7-302.14	P/A	Source Test
Fuel Throughput	BAAQMD Permit Condition 6583	N		1.7 million gallons in any 12 consecutive months	BAAQMD Regulation 8-7-503	P/M	Records

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-112	Y		1.0 ppm critical organic compounds	N/A	P/ Semi-annual	Sampling
Wastewater Throughput	BAAQMD Permit Condition 10431, #1	N		50 million gallons in any 12 consecutive months	BAAQMD Permit Condition 10431, #3	C	Flow Meter
Stormwater Throughput	BAAQMD Permit Condition 10431, #2	N		90.72 million gallons in any 12 consecutive months	BAAQMD Permit Condition 10431, #3	C	Flow Meter

VII. .Applicable Limits and Compliance Monitoring Requirements

Table VII-F
S-70, Paint Spray Operation - Maintenance

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-3-302	Y		content of coating less than 250 grams per liter	Regulation 8-3-403	P/E	Labeling
	BAAQMD Regulation 8-3-304	Y		content of coatings < specified VOC content	Regulation 8-3-403	P/E	Labeling
	BAAQMD Regulation 8-19-302	Y		content of air dried coating < 2.8 lb/gal	Regulation 8-19-501	P/E	Records
VOC	BAAQMD Regulation 8-19-312	Y		content of coatings < specified VOC content	Regulation 8-19-501	P/E	Records
Coating usage	BAAQMD Permit Condition 8425, #1	Y		6500 gallons in any 12 consecutive months	BAAQMD Permit Condition 8425, #3	P/E	Records
Cleanup Solvent usage	BAAQMD Permit Condition 8425, #2	Y		500 gallons in any 12 consecutive months	BAAQMD Permit Condition 8425, #3	P/E	Records

VII. .Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC		N			BAAQMD 8-16-501	P/M	Records
		Y			SIP 8-16-501	P/M	Records
VOC	SIP 8-16-304	Y		Trichloroethylene usage ≤ 3.2 gallons per day	8-16-501	P/E	Records
Solvent Usage	BAAQMD Permit Condition 8427 part 1	Y		150 gallons in any 12 consecutive months	BAAQMD Permit Condition 8427 part 3	P/E	Records

Table VII-H
S-72, Sand Blasting Facility

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301 And BAAQMD Permit Condition 13445 part 5	Y		Ringelmann 1 for 3 minutes/hr	BAAQMD Condition 13345, Part 3	C	Differential Pressure Failure Warning System
FP	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 13345, Part 3	C	Differential Pressure Failure Warning System

VII. .Applicable Limits and Compliance Monitoring Requirements

Table VII-H
S-72, Sand Blasting Facility

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Abrasive Usage (Annual)	BAAQMD Permit Condition 13445 part 1	Y		384 tons in any 12 consecutive months	BAAQMD Permit Condition 13445 part 4	P/E	Records
Abrasive Usage (Daily)	BAAQMD Permit Condition 13445 part 2	Y		16 ton/day	BAAQMD Permit Condition 13445 part 4	P/E	Records

Table VII - I
S-73 AND S-74, COOLING TOWERS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		< Ringelmann 1 for more than 3 min/hr		N	None
Particulate Weight	BAAQMD Regulation 6-310	Y		0.15 grains per dscf		N	None

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 VII - Applicable Emission Limits & Compliance Monitoring Requirements, of this permit

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD 6-304	Tube Cleaning	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Reference Method 5 (40 CFR 60, Appendix A), Determination of Particulate Emissions from Stationary Sources
BAAQMD 8-2-301	Miscellaneous Operations; VOC Limits	Manual Procedures, Volume IV, Procedure ST-7, Non-Methane Organic Carbon Sampling
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 8-7-301	Phase I Vapor Recovery Requirements	Manual of Procedures, Volume IV, ST-30, Gasoline Vapor Recovery Leak Test Procedure; and ST-36, Gasoline Dispensing Facility Phase I Volumetric Efficiency

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
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 8-19-302	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A, Determination of Emissions of Volatile Organic Compounds. If EPA Method 25 or 25A is used, control device equivalency (if applicable) is determined as prescribed in 55 FR 26865.
BAAQMD 8-19-312	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings. Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A, Determination of Emissions of Volatile Organic Compounds If EPA Method 25 or 25A is used, control device equivalency (if applicable) is determined as prescribed in 55 FR 26865

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-3-301	NOx Emissions for Units Rated at 1.75 billion BTU Per Hour or More	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302	NOx Emissions from Utility Electric Power Generating Boilers, Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 1.75 billion BTU/hour	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.1	NOx Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.2	NOx Emissions from Utility Electric Power Generating Boilers, Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.3	NOx Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel and Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-308	System-wide NOx Emission Rate Limit	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-309	Advanced Technology Alternative Emission Control Plan	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide

VIII. Test Methods

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-11-309.1	System-wide NOx Emission Rate Limits	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-310.1	CO Emission Limits During Steady-State Compliance Tests	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6,
BAAQMD 9-11-310.2	CO Emission Limits During Normal Operations	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-311	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	District Manual of Procedures, Volume IV, ST-1B, EPA Method 350.3 and Determination of Ammonia, or alternative method approved by the APCO
BAAQMD 11-1-301	Hazardous Pollutants, Lead, Daily Emissions	District Manual of Procedures, Volume IV, ST-9, Determination of Daily Emission Limits

IX. REVISION HISTORY

Initial Issuance (Application # 15104): September 14, 1998

Change to non-federally enforceable requirements April 1, 1999
Inclusion of Regulation 9, Rule 11 requirements as permit conditions. (Application # 19623)

Administrative Amendment (No Application): February 6, 2001
Change in dates of monitoring report periods and compliance certification periods. Change in language in sections I.F and I.G to current standard.

Minor revision (Application # 1882): November 20, 2001
Addition of Selective Catalytic Reduction (SCR) to S-5 and S-6, Boilers. Deletion of out-dated SIP requirements. Changes to permit to conform with rule changes of May 2, 2001; update standard permit language; revise dates of rules; add accidental release requirements, correct citations of BAAQMD Regulation 6 in Section VII. Change in name of facility. Updating of GDF and wipe cleaning requirements.

Renewal (Title V, App. # 7179 & Title IV, App. # 6442): April 15, 2005
Change names of responsible officers at the plant. Deletion of out-dated SIP requirements. Remove fuel oil burning option for all boilers. Shut down 4 boilers (S-1 through S-4). Add one emergency generator and three Fire water pumps and their associated conditions. Add two cooling towers. Add new requirements for gasoline dispensing station as they became effective. Generate the statement of basis for all changes listed above.

Administrative Amendment (Application # 15334): June 26, 2007
Change in Primary and Secondary Responsible Official names and phone numbers

X. GLOSSARY

ACT
Federal Clean Air Act

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

APCO
Air Pollution Control Officer

ASTM
American Society for Testing and Materials

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CEMS
Continuous Emission Monitoring System

CEQA
California Environmental Quality Act

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

CMS
Continuous Monitoring System

CO
Carbon Monoxide

COM
Continuous Opacity Monitor

X. Glossary

Cumulative Increase
The sum of permitted emissions from each new or modified source since a specified date. Used to determine whether threshold-based requirements are triggered.

District
The Bay Area Air Quality Management District

EPA
The federal Environmental Protection Agency

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.

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

MFR

X. Glossary

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

MOP
The District's Manual of Procedures

N/A
Not applicable

NAAQS
National Ambient Air Quality Standards

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

NMHC
Non-methane Hydrocarbons

NOx
Oxides of nitrogen

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

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

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

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

POC
Precursor Organic Compounds

PUC Quality Natural Gas

X. Glossary

Natural gas that meets the standards of the California Public Utilities Commission's General Order 58-A, Standards for Gas Service in the State of California.

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 Air Ambient Quality Standards. Mandated by Title I of the Act.

SO_2
Sulfur dioxide

ST
Source test

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

TRMP
Toxic Risk Management Plan

TSP
Total Suspended Particulate

VMS
Branched, cyclic, or linear completely methylated siloxane

VOC

X. Glossary

Volatile Organic Compounds

Units of Measure:

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

XI. TITLE IV ACID RAIN PERMIT

Effective: April 15, 2005 to April 15, 2010

ISSUED TO:
Mirant Delta, L.L.C.
Pittsburg Power Plant
P.O. Box 192
Pittsburg, CA 94565

PLANT SITE LOCATION:
696 West 10th Street
Pittsburg, CA 94565

ISSUED BY:

Signed by Jack P. Broadbent — April 15, 2005
Jack P. Broadbent — Date
Executive Officer/Air Pollution Control Officer

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

DESIGNATED REPRESENTATIVE
Name: Anne M. Cleary
Title: President, Mirant California
Phone: (925) 287-3117

ALTERNATE DESIGNATED REPRESENTATIVE:
Name: Lisa D. Johnson
Title: President, Mirant Mid-Atlantic
Phone: (301) 669-8020

ACID RAIN PERMIT CONTENTS

XI. Title IV Acid Rain Permit

1) Statement of Basis

2) SO_2 allowance allocated under this permit and NOx requirements for each affected unit.

3) Comments, notes and justifications regarding permit decisions and changes made to the permit application forms during the review process, and any additional requirements of conditions.

4) The permit application submitted for this source. The owners and operators of the source must comply with the standard requirements and special provisions set forth in he application.

1) STATEMENT OF BASIS

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

2) SO2 ALLOWANCE ALLOCATIONS

	Year	**2005**	**2006**	**2007**	**2008**	**2009**
	SO_2 allowances under Tables 2, 3, or 4 of 40 CFR Part 73	285*	285*	285*	285*	285*
BOILER 5 BAAQMD S-5	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	**2005**	**2006**	**2007**	**2008**	**2009**
	SO_2 allowances under Tables 2, 3, or 4 of 40 CFR Part 73	3753*	3753*	3753*	3753*	3753*
BOILER 6 BAAQMD S-6	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	**2005**	**2006**	**2007**	**2008**	**2009**
	SO_2 allowances	740*	740*	740*	740*	740*

XI. Title IV Acid Rain Permit

	under Tables 2, 3, or 4 of 40 CFR Part 73					
BOILER 7 BAAQMD S-7	NOx Limit	This unit is not subject to the NOx requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.				

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

3) COMMENTS, NOTES AND JUSTIFICATIONS

None

4) PERMIT APPLICATION

Attached

XII. TITLE IV ACID RAIN APPLICATION