

# Bay Area Air Quality Management District

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

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## Final

# MAJOR FACILITY REVIEW PERMIT

Issued To:  
**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**

Mark A. Gouveia  
Production Manager  
(925) 427-3510

**Secondary Responsible Official**

Ronald M. Kino  
Environmental, Health and Safety Manager  
(925) 427-3545

**Facility Contact**

Joseph H. Bittner  
Plant Manager  
(925) 427-3597

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**Type of Facility:** Electric Generation

**Primary SIC:** 4911

**Product:** Electricity

**BAAQMD Permit Division Contact:**

Weyman Lee

**ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

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

October 19, 2000  
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 5/17/00);

SIP Regulation 1 - General Provisions and Definitions

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

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 1 - Permits, General Requirements

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

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

(as amended by the District Board on 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);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on 5/17/00); and

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review

(as amended by the District Board on 10/20/99).

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

1. This Major Facility Review Permit was issued on September 14, 1998 and expires on September 14, 2003. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than March 14, 2003 and no earlier than September 14, 2002. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after September 14, 2003** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

## **I. Standard Conditions (continued)**

5. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, nor any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)

### **C. Requirement to Pay Fees**

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

### **D. Inspection and Entry**

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

### **E. Records**

Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of entry. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

## **I. Standard Conditions (continued)**

### **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 28<sup>th</sup> or 29<sup>th</sup> 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 31<sup>st</sup> of each year. The certification shall be submitted by September 30<sup>th</sup> 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 (continued)**

(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. Conditions to Implement Regulation 2, Rule 7, Acid Rain**

1. Every year starting January 30, 2000, the permit holder shall hold one sulfur dioxide allowance on January 30 for each ton of sulfur dioxide emitted during the preceding year from January 1 through December 31. (MOP Volume II, Part 3, §4.9)
2. The equipment installed for the continuous monitoring of CO<sub>2</sub> and NO<sub>x</sub> shall be maintained and operated in accordance with 40 CFR Parts 72 and 75. (Regulation 2-7, Acid Rain)
3. A written Quality Assurance program must be established in accordance with 40 CFR Part 75, Appendix B for NO<sub>x</sub> 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 SO<sub>2</sub> emissions in accordance with 40 CFR Part 72 and 75. (Regulation 2-7, Acid Rain)

## **I. Standard Conditions (continued)**

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**

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	
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		

### B. Abatement Device List

**Table II-B**

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 (3% O <sub>2</sub> )
A-100	Baghouse	S-100	Regulation 6-301		0.15 gr/dscf

### III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is included in Appendix A of this permit if the SIP requirement is different from the current BAAQMD requirement.

**NOTE:**

There are differences between current BAAQMD rules and versions of the rules in the SIP. For specific information, contact the District's Planning and Research Division. All sources must comply with both versions of a rule until the U.S. EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

**Table III**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/17/00)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	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 (11/2/94)	Y

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

**Table III (continued)**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/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)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (1/7/98)	N
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
AB 2588	California Assembly Bill 2588 Toxics "Hot Spots"	N
40 CFR Part 61, Subpart M	National Emission Standards Hazardous Air Pollutants, Asbestos	Y

#### IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is 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
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/17/00)</b>		
1-520.1	Steam Generators Rated 250 MMBTU or More Per Hour	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particulates	Y	

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

**Table IV-A (continued)**  
**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
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	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)</b>		
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	
<b>BAAQMD Regulation 9, Rule 3</b>	<b>Inorganic Gaseous Pollutants, Nitrogen Oxides From Heat Transfer Operations (3/17/82)</b>		
9-3-301	Existing Heat Transfer Operation Limits	N	
9-3-302	Different Fuels in Existing Heat Transfer Operations	N	
<b>BAAQMD Regulation 9, Rule 11</b>	<b>Inorganic Gaseous Pollutants, Nitrogen Oxides and Carbon Monoxide From Utility Electric Power Generating Boilers (5/17/00)</b>		
9-11-111	Exemption, Startup or Shutdown	Y	
9-11-112	Exemption, Oil Testing	Y	
9-11-302	Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 1.75 billion BTU/hour	Y	
9-11-302.1	NOx limits, limitation on non-gaseous fuel firing	Y	
9-11-308	System-wide NOx Emission Rate Limit	Y	
9-11-309	Advanced Technology Alternative Emission Control Plan	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.160 lb/MMBTU	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.115 lb/MMBTU	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.105 lb/MMBTU	N	
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

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

**Table IV-A (continued)**  
**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
9-11-309.1	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	
9-11-310	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	
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	
<b>BAAQMD Regulation 11, Rule 1</b>	<b>Hazardous Pollutants, Lead (3/17/82)</b>		
11-1-301	Daily Limitation	Y	
11-1-302	Ground level Concentration Limit Without Background	Y	

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

**Table IV-A (continued)**  
**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
<b>BAAQMD Manual of Procedures, Volume V</b>	<b>Continuous Emission Monitoring Policy and Procedures (1/20/82)</b>	Y	
<b>40 CFR Part 72</b>	<b>Title IV – Acid Rain Program</b>	Y	
<b>40 CFR Part 75</b>	<b>Code of Federal Regulations, Continuous Emissions Monitoring</b>	Y	
<b>BAAQMD Condition #672</b>	<b>Permit Conditions</b>		
Condition 1a	Fuel Additive Required When Burning Fuel Oil and Nuisance (basis: BAAQMD 1-301)	N	
Condition 1b	Excessive Visible Emissions When Burning Fuel Oil (basis: BAAQMD 6-301)	Y	
Condition 2	Installation and maintenance of cold-end preheater baskets (basis: BAAQMD 1-301)	N	
Condition 3	Requirements for Burning Fuel Oil (basis: BAAQMD 1-301, 6-305)	N	
Condition 4	Record Keeping When Burning Oil (basis: cumulative increase)	Y	
Condition 5	Boiler Cleaning and Inspection Requirements (basis: cumulative increase)	Y	
<b>BAAQMD Condition #16327</b>	<b>Permit Conditions</b>		
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	

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

**Table IV-A (continued)**  
**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 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	
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.



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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 7</b>	<b>Organic Compounds, Gasoline Dispensing Facilities (11/17/99)</b>		
8-7-113	Exemption, Tank Gauging and Inspection	Y	
8-7-301	Phase I Requirements	Y	
8-7-302	Phase II Requirements	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-308	Operating Practices	Y	
8-7-309	Phase I Requirements	Y	
8-7-310	Phase II Requirements	Y	
8-7-401	Equipment Installation and Modifications	Y	

**Table IV-C  
 S-33, Maintenance Coating Operation**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 3</b>	<b>Organic Compounds, Architectural Coatings (11/4/98)</b>		
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	
<b>BAAQMD Regulation 8, Rule 19</b>	<b>Organic Compounds - Surface Coating of Miscellaneous Metal Parts and Products (12/20/95)</b>		

#### 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
8-19-110	Exemption - Low Usage Coatings	Y	
8-19-112	Exemption - Touch Up	Y	
8-19-113	Exemption - Specific Operations	Y	
8-19-117	Exemption - Stencil Coating	Y	
8-19-133	Exemption - Spray Application Equipment	Y	
8-19-136	Limited Exemption - Specialty Coatings	Y	
8-19-302	VOC Limits	Y	
8-19-307	Prohibition of Specification	Y	
8-19-312	Specialty Coating Limitations	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-405	Low Usage Coating Petition	Y	
8-19-407	Specialty Coating Petition	Y	
8-19-501	Records	Y	
<b>BAAQMD Condition #8854</b>	<b>Permit Conditions</b>		
Condition 1	Net Annual Coating Usage Limit (basis: cumulative increase)	N	
Condition 2	Net Annual General Solvent Limit (basis: cumulative increase)	N	
Condition 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
<b>BAAQMD Regulation 8, Rule 8</b>	<b>Organic Compounds – Wastewater (Oil-Water) Separators (6/15/94)</b>		
8-8-112	Exemption, Wastewater Critical OC Concentration And/Or	Y	

#### 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
	Temperature		
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 OC Concentration And/Or Temperature Records		
8-8-503	Inspection and Repair Records	Y	
<b>BAAQMD Condition #7938</b>	<b>Permit Conditions</b>		
Condition 1	Wastewater Throughput Limit (basis: cumulative increase)	N	
Condition 2	Combined Wastewater and Storm Water Limit (basis: cumulative increase)	N	
Condition 3	Record Keeping Requirements (basis: cumulative increase)	N	

**Table IV-E  
 S-35, API Separator**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 8</b>	<b>Organic Compounds – Wastewater (Oil-Water) Separators (6/15/94)</b>		
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	

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#### **IV. Source-Specific Applicable Requirements (continued)**

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

**Table IV-E (continued)**  
**S-35, API Separator**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Condition #7938</b>	<b>Permit Conditions</b>		
Condition 1	Wastewater Throughput Limit (basis: cumulative increase)	N	
Condition 2	Combined Wastewater and Storm Water Throughput Limit (basis: cumulative increase)	N	
Condition 3	Record Keeping Requirements (basis: cumulative increase)	N	

**Table IV-F**  
**S-37, Dissolved Air Flotation**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 8</b>	<b>Organic Compounds – Wastewater (Oil-Water) Separators (6/15/94)</b>		
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	
8-8-503	Inspection and Repair Records	Y	
<b>BAAQMD Condition #7938</b>	<b>Permit Conditions</b>		
Condition 1	Wastewater Throughput Limit (basis: cumulative increase)	N	
Condition 2	Combined Wastewater and Storm Water Throughput Limit (basis: cumulative increase)	N	
Condition 3	Record Keeping Requirements (basis: cumulative increase)	N	

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

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

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 8, Rule 16</b>	<b>Organic Compounds - Solvent Cleaning Operations (9/16/98)</b>		
8-16-111	Exemption, Wipe Cleaning	Y	
8-16-304	Trichloroethylene Limitation	Y	
8-16-501	Solvent Records	Y	
8-16-501.1	Trichloroethylene Records	Y	
8-16-501.2	All Other Solvents Records	Y	
<b>BAAQMD Condition #8855</b>	<b>Permit Conditions</b>		
Condition 1	Net Annual General Solvent Usage Limit (basis: cumulative increase)	Y	
Condition 2	Net Annual 1,1,1-Trichloroethane Usage Limit (basis: cumulative increase)	N	
Condition 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**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>CA Title 17</b>	<b>State Provisions for Sandblasting</b>	N	
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Condition #15870</b>			
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.

## 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, 10 [Boilers Nos. 9 &10]

- \*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]

### Condition #8854

For S-33 [Maintenance Coating Operation]

1. Net annual coating usage at this source shall not exceed 1100 gallons in any consecutive 12-month period. [basis: cumulative increase]
  
2. Net annual solvent usage at this source shall not exceed 400 gallons in any consecutive 12-month period. [basis: cumulative increase]
  
3. The operator shall maintain a log of all materials used in this operation. The log shall contain the following information: [basis: Regulation 8-19-501]
  - 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 on a District-approved log. These records shall be summarized on a monthly basis.

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

## VI. Permit Conditions (continued)

### Condition #7938

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

- \*1. The total throughput of the wastewater that is normally being treated at sources S-34, S-35 and S-37 shall not exceed 32,000,000 gallons during any consecutive twelve-month period. [basis: cumulative increase]
- \*2. The combined throughput of storm water and wastewater that are being treated at sources S-34, S-35 and S-37 shall not exceed 90,000,000 gallons during any consecutive twelve-month period. [basis: cumulative increase]
- \*3. In order to demonstrate compliance with the 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 available for District inspection 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]

- 1. Net annual solvent usage at this source shall not exceed 100 gallons in any consecutive 12-month period. [basis: cumulative increase]
- 2\*. Net 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 operator 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 on a District approved log. These records shall be summarized on a quarterly basis.

## **VI. Permit Conditions (continued)**

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

### **Condition #15870 S-100, Sand Blast Facility**

1. All particulate matter emissions from S-100, Sand Blast Facility, shall be routed to baghouse, A-100, Baghouse (basis: Regulation 6-301 and 6-310)
2. The 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)
3. In order to demonstrate compliance with the above permit 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 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 NO<sub>x</sub> 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

## VI. Permit Conditions (continued)

(30) operating days on natural gas, subject to the limitations specified in subsection 309.2 of Regulation 9, Rule 11. [Basis: CEQA]

### 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]

## VI. Permit Conditions (continued)

- 9.\* To demonstrate compliance with the NO<sub>x</sub> 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 NO<sub>x</sub>, CO, and O<sub>2</sub> or CO<sub>2</sub> (in lieu of O<sub>2</sub>) for each of the affected boilers. [Basis: CEQA]

### Condition #16237

#### S-9, S-10 Boilers

- 10.\* To demonstrate compliance with the systemwide NO<sub>x</sub> 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 NO<sub>x</sub> 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 NO<sub>x</sub>, CO, and O<sub>2</sub> or CO<sub>2</sub>.
  - c. Source test measurements for NO<sub>x</sub>, CO, O<sub>2</sub>, CO<sub>2</sub>, 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.

## **VI. Permit Conditions (continued)**

- f. Hourly systemwide NO<sub>x</sub> emission rate, as prescribed in Condition Nos. 1, 3, and 4. [Basis: CEQA]



## VII. APPLICABLE MISSION LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

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

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

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

**Table VII-A (continued)  
S-9, Utility Boiler No. 9  
S-10, Utility Boiler No. 10**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO <sub>2</sub>	40 CFR 75	Y		None	40 CFR 75	P/D (fuel oil only)	Fuel analysis
NO <sub>x</sub>	BAAQMD 9-3-301	N		175 ppmv @ 3% O <sub>2</sub> (dry basis) for natural gas firing or 300 ppmv @ 3% O <sub>2</sub> (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 <sub>2</sub> (dry basis) for natural gas firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
NO <sub>x</sub>	BAAQMD 9-11-302.1.2	Y		300 ppmv @ 3% O <sub>2</sub> (dry basis) for oil firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-302.1.3	Y		heat input weighted average of emissions when natural gas and oil fired simultaneously	BAAQMD 9-11-501, 503	C	CEMS

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

**Table VII-A (continued)**  
**S-9, Utility Boiler No. 9**  
**S-10, Utility Boiler No. 10**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQM D 9-11-308	Y		0.28 lbs/MMBTU system-wide average over previous 30 days	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 9-11-309.1	N		0.160 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 9-11-309.1	N		0.115 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 9-11-309.1	N		0.105 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 9-11-309.1	N	1/1/02	0.057 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 9-11-309.1	N	1/1/04	0.037 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS

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

**Table VII-A (continued)  
 S-9, Utility Boiler No. 9  
 S-10, Utility Boiler No. 10**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQM D 9-11-309.1	N	1/1/05	0.018 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
NOx	BAAQM D Permit Condition 16327, #3	N		0.188 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D Permit Condition 16327, #3	N		0.160 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D Permit Condition 16327, #3	N		0.115 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
NOX	BAAQM D Permit Condition 16327, #3	N		0.105 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQM D 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
	BAAQM D 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

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

**Table VII-A (continued)  
 S-9, Utility Boiler No. 9  
 S-10, Utility Boiler No. 10**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Permit Condition 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 <sub>2</sub> (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 <sub>2</sub> (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 <sub>2</sub> (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 <sub>2</sub> (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 <sub>2</sub> (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 (continued)**  
**S-9, Utility Boiler No. 9**  
**S-10, Utility Boiler No. 10**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQM D Permit Condition 16327, #6	N		10 ppmv @ 3% O <sub>2</sub> (dry basis) based on rolling 60 minute average upon installation of an applicable control device	BAAQMD 9-11-402	P/Q	Quarterly tests
Lead	BAAQM D 11-1-301	Y		6.75 kg/day		N	N/A
Lead	BAAQM D 11-1-302	Y		1.0 g/m <sup>3</sup> averaged over 24 hours		N	N/A
CO <sub>2</sub>	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**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-7-301.2	Y		95% recovery of gasoline vapors		N	

**Table VII-C  
S-33, Maintenance Coating Operation**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 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
	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



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

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
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**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)**

<b>Pollutant</b>	<b>Emission Limit Citation</b>	<b>FE Y/N</b>	<b>Future Effective Date</b>	<b>Emission Limit</b>	<b>Monitoring Requirement Citation</b>	<b>Monitoring Frequency (P/C/N)</b>	<b>Monitoring Type</b>
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**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQM D 8-16-304	Y		Trichloroethylene usage $\leq$ 3.2 gallons per day	8-16-501	P/E	Records
Solvent Usage	BAAQM D 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 Trichloroethane	BAAQM D 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**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-301	Y		Ringelmann less than 1 for more than 3 minutes	BAAQMD Cond #15870, part 1 and 2	P/every 5 events	Inspection
	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
	SIP 6-301	Y		Ringelmann No. 1	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 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**

<b>Applicable Requirement</b>	<b>Description of Requirement</b>	<b>Acceptable Test Methods</b>
BAAQMD Regulation 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD Regulation 6-304	Tube Cleaning	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD Regulation 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
SIP Regulation 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD 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 8-8-112	Wastewater (Oil-Water) Separators; Exemption Wastewater Critical Organic Compound Concentration And/Or Temperature	Manual Procedures, Volume III, Lab Method 33, Wastewater Analysis for Critical Organic Compounds

## VIII. Test Methods (continued)

**Table VIII (continued)**

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

## VIII. Test Methods (continued)

**Table VIII (continued)**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-11-302	NOx Emissions from Utility Electric Power Generating Boilers, Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 1.75 billion BTU/hour	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.1	NOx Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.2	NOx Emissions from Utility Electric Power Generating Boilers, Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.3	NOx Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel and Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-308	System-wide NOx Emission Rate Limit	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-309	Advanced Technology Alternative Emission Control Plan	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-309.1	System-wide NOx Emission Rate Limits	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-310.1	CO Emission Limits During Steady-State Compliance Tests	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6,
BAAQMD 9-11-310.2	CO Emission Limits During Normal Operations	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide

### VIII. Test Methods (continued)

**Table VIII (continued)**

<b>Applicable Requirement</b>	<b>Description of Requirement</b>	<b>Acceptable Test Methods</b>
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



## **X. ACID RAIN PERMIT**

### **Title IV Acid Rain Permit**

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

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#### **ISSUED TO:**

**Southern Energy 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:**

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Ellen Garvey, Executive Officer/  
Air Pollution Control Officer

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Date

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#### **Nature of Business**

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

#### **DESIGNATED REPRESENTATIVE:**

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

#### **ALTERNATE DESIGNATED REPRESENTATIVE:**

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

Facility Name: Southern Energy California, Contra Costa Power Plant  
Permit for Facility #: A0018  
Expiration Date: September 14, 2003  
ID: WNL

**Phone: (925) 427-3545**

## X. Acid Rain Permit

### ACID RAIN PERMIT CONTENTS

- 1) Statement of Basis
- 2) SO<sub>2</sub> allowance allocated under this permit and NO<sub>x</sub> requirements for each affected unit.
- 3) Comments, notes and justifications regarding permit decisions and changes made to the permit application forms during the review process, and any additional requirements of conditions.
- 4) The permit application submitted for this source. The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application.

#### 1) STATEMENT OF BASIS

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

#### 2) SO<sub>2</sub> ALLOWANCE ALLOCATIONS

	Year	1998	1999	2000	2001	2002
BOILER 9 BAAQMD S-9	SO <sub>2</sub> allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	356*	356*	356*
	NO <sub>x</sub> Limit	This unit is not subject to the NO <sub>x</sub> 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 <sub>2</sub> allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	4252*	4252*	4252*
	NO <sub>x</sub> Limit	This unit is not subject to the NO <sub>x</sub> 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

## **X. Acid Rain Permit**

actually held by an affected source in a unit account may differ from the number allocated by USEPA. Neither of the aforementioned conditions necessitates a revision to the unit SO<sub>2</sub> allowance allocations identified in this permit.

### **3) COMMENTS, NOTES AND JUSTIFICATIONS**

None

### **4) PERMIT APPLICATION**

Attached

## **XI. GLOSSARY**

### **BAAQMD**

Bay Area Air Quality Management District

### **BACT**

Best Available Control Technology

### **CAA**

The federal Clean Air Act

### **CAAQS**

California Ambient Air Quality Standards

### **CEQA**

California Environmental Quality Act

### **CFR**

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

### **CO**

Carbon Monoxide

### **Cumulative Increase**

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

### **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.

### **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.

### **NAAQS**

National Ambient Air Quality Standards

### **NESHAPS**

National Emission Standards for Hazardous Air Pollutants. Contained in 40 CFR Part 61.

### **NMHC**

Non-methane Hydrocarbons

### **NO<sub>x</sub>**

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, NO<sub>x</sub>, PM<sub>10</sub>, and SO<sub>2</sub>.

### **Phase II Acid Rain Facility**

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

### **POC**

Precursor Organic Compounds

## X. Glossary

### **PM**

Total Particulate Matter

### **PM10**

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

### **PSD**

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

### **SIP**

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National 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.

### **TSP**

Total Suspended Particulate

### **VOC**

Volatile Organic Compounds

### **Units of Measure:**

bhp	=	brake-horsepower
Btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m <sup>2</sup>	=	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

## **X. Glossary**

scfm = standard cubic feet per minute  
yr = year



Facility Name: Southern Energy California, Contra Costa Power Plant

Permit for Facility #: A0018

Expiration Date: September 14, 2003

ID: WNL

## **XII. APPENDIX A - APPLICABLE STATE IMPLEMENTATION PLAN**

See Attachments