

# 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:**

**City of Sunnyvale Water Pollution Control  
Facility #A0733**

**Facility Address:**

1444 Borregas Ave.  
Sunnyvale, CA 94089

**Mailing Address:**

P.O. Box 3707  
Sunnyvale, CA 94088

**Responsible Official**

Lorrie Gervin,  
Environmental Division Manager  
(408) 730-7268

**Facility Contact**

Rosanna Lacarra  
Water Pollution Control Supervisor  
(408) 730-7260

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**Type of Facility:** Public-Owned Treatment Works

**Primary SIC:** 4952

**Product:** Municipal Wastewater Treatment Facility

BAAQMD Permit Division Contact

Allen Chiu

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

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

February 24, 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 10/7/98);
- SIP Regulation 1 - General Provisions and Definitions  
(as approved by EPA through 8/27/99);
- BAAQMD Regulation 2, Rule 1 - Permits, General Requirements  
(as amended by the District Board on 10/7/98);
- 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 10/7/98);
- 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 10/7/98), and
- SIP Regulation 2, Rule 4 - Permits, Emissions Banking  
(as approved by EPA through 1/26/99).

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

1. This Major Facility Review Permit was issued on July 1, 1997 and expires on July 1, 2002. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than January 1, 2002 and no earlier than July 1, 2001. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after June 30, 2002.** (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. Monitoring reports shall be for the following periods: July 1st through December 31st and January 1st through June 30th 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 July 1st to June 30th of each year. The certification shall be submitted by July 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance 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  
USEPA, Region IX  
75 Hawthorne Street  
San Francisco, CA 94105  
Attention: Air-3

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

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

### **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**

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. 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	Capacity
S-12	Waste Gas Burner, Pedestal Type	Pacific Flush Tank	4D-1348	5.8 MM Btu/hr
S-13	Digester Waste Gas Flare	John Zink	EEF-V-3	7.5 MMBtu/hr
S-14	Engine Generator (landfill gas, digester gas, natural gas) (Existing after 6/15/97)	Caterpillar	3516	8.2 MMBtu/hr, 1150 hp
S-15	Engine Generator (landfill gas, digester gas, natural gas) (Existing after 6/15/97)	Caterpillar	3516	8.2 MMBtu/hr, 1150 hp
S-100	Municipal Wastewater Treatment Plant	custom		
S-110	Preliminary Treatment	custom		19.5 MM gal/day
S-120	Primary Treatment	custom		19.5 MM gal/day
S-130	Secondary Treatment	custom		19.5 MM gal/day
S-140	Tertiary Treatment	custom		19.5 MM gal/day
S-150	Disinfection	custom		19.5 MM gal/day
S-161	Solids Dewatering System	custom		19.5 MM gal/day
S-170	Anaerobic Digestors	custom		19.5 MM gal/day

### B. Abatement Device List

None

### III. GENERAL 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 the current BAAQMD rules and the version of the rules in the SIP. For specific information, contact the District’s Rule Development Section of the Enforcement Division. All sources must comply with both versions of the rule until US EPA has reviewed and approved the District’s revision of the regulation.

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (10/7/98)	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



Facility Name: City of Sunnyvale Water Pollution Control

Permit for Facility #: A0733

Expiration Date: 7-1-02

ID: AC

### III. General Applicable Requirements (continued)

BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y

### III. General Applicable Requirements (continued)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/20/95)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds-General Solvent and Surface Coating Operations (5/16/96)	N
SIP Regulation 8, Rule 4	Organic Compounds-General Solvent and Surface Coating Operations (12/20/95)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds-Solvent Cleaning Operation (12/20/95)	Y
SIP Regulation 8, Rule 16	Organic Compounds-Solvent Cleaning Operation (9/16/98)	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 (12/20/95)	N
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants-Sulfur Dioxide (3/15/95)	Y
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants-Hydrogen Sulfide (3/17/82)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y

#### 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-14 Engine Generator**  
**S-15 Engine Generator**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 9 Rule 8</b>	<b>NOx and CO requirements for Stationary Internal Combustion Engines (1/20/93)</b>	Y	
9-8-301	Emission Limits - Fossil Derived Fuel Gas	Y	
9-8-301.2	NOx Emission Limit for Lean Burn Engines	Y	
9-8-301.3	CO Emission Limit for Lean Burn Engines	Y	
9-8-302	Emission Limits - Waste Derived Fuel Gas	Y	
9-8-302.1	NOx Emission Limit for Lean Burn Engines	Y	
9-8-302.3	CO Emission Limit for Lean Burn Engines	Y	

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

**Table IV-A (continued)**  
**S-14 Engine Generator**  
**S-15 Engine Generator**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Cond #10844</b>			
Part 1	Emission Limits (basis: BACT, Offsets)	Y	6/15/97
Part 4	Periodic monitoring (basis: Regulation 2-6-409.2)	Y	6/15/97

**Table IV-B**  
**S-110 Preliminary Treatment**  
**S-120 Primary Treatment**  
**S-130 Secondary Treatment**  
**S-140 Tertiary Treatment**  
**S-150 Disinfection**  
**S-161 Solids Dewatering System**  
**S-170 Anaerobic Digestors**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 2</b>	<b>Organic Compounds-Miscellaneous Operation (6/15/94)</b>		
8-2-301	Miscellaneous Operations Standards	Y	

## V. SCHEDULE OF COMPLIANCE

The permit holder shall continue to comply with all applicable requirements cited in Parts III and IV of 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 10844

For Sources S-14 and S-15, Engine Generators  
Effective 6/15/97

1. The emission factors of the Engine/Generator No. 4 (S-14) and Engine/Generator No. 5 (S-15) shall not exceed:
  - a. 0.3 gram/bhp-hr for POC,
  - b. 2.5 gram/bhp-hr for CO; and 1.5 gram/bhp-hr for NO<sub>x</sub>. (basis: BACT, Offsets)
  
4. The owner/operator shall ensure that an annual performance test is conducted in accordance with the District test procedures to demonstrate compliance with the NO<sub>x</sub> and CO limits. The owner/operator may submit an alternative monitoring plan to the District for approval. If the alternative monitoring plan is approved, the plan shall supersede the annual source test requirement. Approvals shall be processed using the permit modification procedure contained in Regulation 2, Rule 6. (Basis: Regulation 2-6-409.2)

### B. Facility-wide Permit Conditions

None

## VII. APPLICABLE EMISSION LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency 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-14 Engine Generator**  
**S-15 Engine Generator**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQMD 9-8-301.2	Y		140 ppmv @ 15% O <sub>2</sub> , dry		P/A	
	BAAQMD 9-8-302.1	Y		140 ppmv @ 15% O <sub>2</sub> , dry		P/A	
	BAAQMD cond #10844, part 1	Y		1.5 gram/bhp-hr	BAAQMD cond #10844, part 4	P/A	Source test or alternate monitoring plan
CO	BAAQMD 9-8-301.3	Y		2000 ppmv @ 15% O <sub>2</sub> , dry		P/A	
	BAAQMD 9-8-302.3	Y		2000 ppmv @ 15% O <sub>2</sub> , dry		N	
	BAAQMD cond #10844, part 1	Y		2.5 gram/bhp-hr	BAAQMD cond #10844, part 4	P/A	Source test or alternate monitoring plan

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

**Table VII-A (continued)  
 S-14 Engine Generator  
 S-15 Engine Generator**

<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>
POC	BAAQMD cond #10844, part 1	Y		0.3 gram/bhp-hr		N	

**Table VII-B  
 S-110 Preliminary Treatment  
 S-120 Primary Treatment  
 S-130 Secondary Treatment  
 S-140 Tertiary Treatment  
 S-150 Disinfection  
 S-161 Solids Dewatering System  
 S-170 Anaerobic Digestors**

<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 8-2-301	Y		15 lb/day & 300 ppm total carbon on dry basis	N	N	N

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

<b>Applicable Requirement</b>	<b>Description of Requirement</b>	<b>Acceptable Test Methods</b>
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 7-303	Limit on Odorous Compounds	Manual of Procedures, Volume IV, ST-1, ST-8, ST-11, ST-16, ST-22, Sampling of Odorous Compounds
BAAQMD 8-2-301	Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling or EPA Method 25 or 25A.
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 9-8-301.2	NOX Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling Limit on Odorous Compounds and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-301.3	CO Limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-302.1	NOX Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling Limit on Odorous Compounds and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-302.30	CO Limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #11084, Part 1	NOX Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling Limit on Odorous Compounds and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #11084, Part 1	CO Limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling



**VIII. Test Methods (continued)**

BAAQMD Condition #11084, Part 1	POC Limit	Manual of Procedures, Volume IV, ST-7, Non- Methane Organic Carbon Sampling or EPA Method 25 or 25A.
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## **IX. GLOSSARY**

### **BAAQMD**

Bay Area Air Quality Management District

### **Basis**

The underlying authority which allows the District to impose requirements.

### **CO**

Carbon Monoxide

### **Cumulative Increase**

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). 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.

### **FE, Federally Enforceable,**

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 contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

### **Major Facility**

A facility with potential emissions of regulated air pollutants greater than 100 tons per year, greater than 10 tons per year of any single hazardous air pollutant, and/or greater than 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.

## **IX. Glossary (continued)**

### **MOP**

The District's Manual of Procedures.

### **NMHC**

Non-methane Hydrocarbons

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

Oxides of nitrogen.

### **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.)

### **POC**

Precursor Organic Compounds

### **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<sub>2</sub>**

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

## IX. Glossary (continued)

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
scfm	=	standard cubic feet per minute
yr	=	year

**X. APPENDIX A - STATE IMPLEMENTATION PLAN**

See Attachment