

# Bay Area Air Quality Management District

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

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**Final Proposed**

## MAJOR FACILITY REVIEW PERMIT

Issued To:

**BAE Systems San Francisco Ship Repair Drydock, Inc.  
Facility #A3288**

**Facility Address:**

Foot of 20th Street  
San Francisco, CA 9410720

**Mailing Address:**

P. O. Box 7644  
San Francisco, CA 94120

**Responsible Official**

~~Ira Maybaum, President/GM~~  
Hugh Vanderspek, General Manager  
(415) 861-7447 x200

**Facility Contact**

~~Sean D. Riley, Environmental Manager~~  
Felipe Kleinstiver,  
(415) 861-7447 x4503

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**Type of Facility:** Ship Repair Facility    BAAQMD Engineering Division Contact:  
**Primary SIC:** 3731    Tamiko Endow  
**Product:** Ship Repair

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

Signed by Jack P. Broadbent

September 13, 2005

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

Date

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## I. STANDARD CONDITIONS

### A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions

(as amended by the District Board on ~~5/2/01~~ [7/9/08](#));

SIP Regulation 1 - General Provisions and Definitions

(as approved by EPA through 6/28/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on ~~12/21/04~~ [3/4/09](#));

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 ~~12/21/04~~ [6/15/05](#));

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 12/21/04); ~~and~~

SIP Regulation 2, Rule 4 - Permits, Emissions Banking

(as approved by EPA through 1/26/99)-

[BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants](#)

(as amended by the District Board on 1/6/10);

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

(as amended by the District Board on 4/16/03)-; ~~and~~

[SIP Regulation 2, Rule 6 – Permits Major Facility Review](#)

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

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

1. This Major Facility Review Permit was issued on September 13, 2005, and expires on September 12, 2010. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than March 12, 2010, and no earlier than September 12, 2009. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after September 12, 2010.** If the permit renewal has not been issued by September 12, 2010, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, 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

## I. Standard Conditions

- 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)
  5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
  6. This permit does not convey any property rights of any sort, 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's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
  9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
  10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
  11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
  12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

### 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)

## I. Standard Conditions

### D. Inspection and Entry

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

### E. Records

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

### F. Monitoring Reports

Reports of all required monitoring must be submitted to the Bay Area Air Quality Management District at least once every six months, except where an applicable requirement specifies more frequent reporting. Reports shall be for the following periods: December 1<sup>st</sup> through May 31<sup>st</sup> and June 1<sup>st</sup> through November 30<sup>th</sup>, 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, 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 June 1st to May 31st. The certification shall be submitted by June 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

## I. Standard Conditions

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)

## H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (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. Miscellaneous Conditions

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

## II. EQUIPMENT

**Table II A - Permitted Sources**

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

| S-#                  | Description   | Make or Type            | Model                   | Capacity                                     |
|----------------------|---|-------------------------|-------------------------|--|
| S-1                  | Paint Spraying /Abrasive Blasting Operation   | GRACO guns              | 205457                  | N/A  |
| S-2                  | Sandblasting Operation  | Custom                  | N/A                     | 9 tons/hr                                    |
| S-10                 | Paint Spray Booth   | Custom                  | N/A                     | 17,000 cfm                                   |
| S-12                 | Polyester Resin Operation   | Custom                  | N/A                     | 200 gal/yr                                   |
| S-13                 | <a href="#">Auxiliary Harbor Craft Prime Diesel Engine- on Dry Dock#2 Emergency Standby</a> | Caterpillar             | D336                    | 320 hp                                       |
| <a href="#">S-15</a> | <a href="#">Prime Diesel Generator Engine (Eureka Dry Dock)</a>                             | <a href="#">Komatsu</a> | <a href="#">565D105</a> | <a href="#">155 hp</a>                       |
| <a href="#">S-16</a> | <a href="#">Abrasive Blast Room with Pneumatic Recovery System</a>                          | <a href="#">custom</a>  | <a href="#">N/A</a>     | <a href="#">1,200 lb abrasive/hr- nozzle</a> |

**Table II B – Abatement Devices**

| <a href="#">A-#</a> | <a href="#">Description</a>    | <a href="#">Source(s) Controlled</a> | <a href="#">Applicable Requirement</a>                              | <a href="#">Operating Parameters</a> | <a href="#">Limit or Efficiency</a> |
|---------------------|--------------------------------|--------------------------------------|---|--------------------------------------|-------------------------------------|
| <a href="#">16</a>  | <a href="#">Dust Collector</a> | <a href="#">16</a>                   | <a href="#">Regulation 6-1-310, BAAQMD condition #23507, part 4</a> |                                      | <a href="#">0.002 gr/dscf</a>       |

### III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is on [the EPA Region 9's](#) website. The address ~~is is:~~ <http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>.

**NOTE:**

There are differences between the current BAAQMD rule and the version of the rule in the SIP. All sources must comply with both versions of the rule until US EPA has reviewed and approved the District's revision of the regulation.

**Table III  
 Generally Applicable Requirements**

| Applicable Requirement                      | Regulation Title or Description of Requirement                       | Federally Enforceable (Y/N) |
|---|--|-----------------------------|
| BAAQMD Regulation 1                         | General Provisions and Definitions ( <del>5/2/04</del> 7/9/09)       | N                           |
| SIP Regulation 1                            | General Provisions and Definitions (6/28/99)                         | Y                           |
| BAAQMD Regulation 2, Rule 1                 | General Requirements ( <del>12/21/04</del> 3/4/09)                   | N                           |
| SIP Regulation 2, Rule 1                    | General Requirements (1/26/99)                                       | Y                           |
| BAAQMD 2-1-429                              | Federal Emissions Statement ( <del>6/7/95</del> 12/21/04)            | <del>Y</del> N              |
| <a href="#">SIP Regulation 2-1-429</a>      | <a href="#">Federal Emissions Statement (4/3/95)</a>                 | <u>Y</u>                    |
| <a href="#">BAAQMD Regulation 2, Rule 5</a> | <a href="#">New Source Review of Toxic Air Contaminants (1/6/10)</a> | <u>N</u>                    |
| BAAQMD Regulation 4                         | Air Pollution Episode Plan (3/20/91)                                 | N                           |
| SIP Regulation 4                            | Air Pollution Episode Plan (8/06/90)                                 | Y                           |



### III. Generally Applicable Requirements

**Table III**  
**Generally Applicable Requirements**

| Applicable Requirement                             | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) |
|--|---|-----------------------------|
| BAAQMD Regulation 5                                | Open Burning ( <del>3/6/02</del> 7/9/08)  | N                           |
| SIP Regulation 5                                   | Open Burning (9/4/98)   | Y                           |
| <a href="#">BAAQMD Regulation 6, Rule 1</a>        | <a href="#">Particulate Matter, General Requirements (12/5/07)</a>  | <a href="#">N</a>           |
| <del>BAAQMD</del> <a href="#">SIP</a> Regulation 6 | Particulate Matter and Visible Emissions ( <del>12/19/99</del> 9/4/98)  | 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 2                        | Organic Compounds – Miscellaneous Operations ( <del>6/15/94</del> 7/20/05)  | <del>Y</del> N              |
| <a href="#">SIP Regulation 8, Rule 2</a>           | <a href="#">Organic Compounds – Miscellaneous Operations (3/22/95)</a>  | <a href="#">Y</a>           |
| BAAQMD Regulation 8, Rule 3                        | Organic Compounds - Architectural Coatings ( <del>11/21/01</del> 7/1/09)  | <del>Y</del> N              |
| <a href="#">SIP Regulation 8, Rule 3</a>           | <a href="#">Organic Compounds - Architectural Coatings (1/2/04)</a>   | <a href="#">Y</a>           |
| BAAQMD Regulation 8, Rule 4                        | Organic Compounds - General Solvent and Surface Coating Operation (10/16/02)  | Y                           |
| BAAQMD Regulation 8, Rule 15                       | Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)   | Y                           |
| BAAQMD Regulation 8, Rule 40                       | Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks ( <del>12/15/99</del> 6/15/05) | <del>Y</del> N              |
| <a href="#">SIP Regulation 8, Rule 40</a>          | <a href="#">Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)</a>      | <a href="#">Y</a>           |
| BAAQMD Regulation 8, Rule 47                       | Organic Compounds - Air Stripping and Soil Vapor Extraction Operations ( <del>6/15/94</del> 6/15/05)                      | <del>Y</del> N              |
| BAAQMD Regulation 8, Rule 49                       | Organic Compounds - Aerosol Paint Products (12/20/95)   | N                           |
| SIP Regulation 8, Rule 49                          | Organic Compounds - Aerosol Paint Products (3/22/95)  | Y                           |
| BAAQMD Regulation 8, Rule 51                       | Organic Compounds - Adhesive and Sealant Products (7/17/02)   | N                           |
| SIP Regulation 8, Rule 51                          | Organic Compounds - Adhesive and Sealant Products (2/26/02)   | Y                           |
| BAAQMD Regulation 9, Rule 1                        | Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)   | N                           |
| SIP Regulation 9, Rule 1                           | Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)  | Y                           |

### III. Generally Applicable Requirements

**Table III  
 Generally Applicable Requirements**

| <b>Applicable Requirement</b>  | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> |
|--|---|------------------------------------|
| BAAQMD Regulation 11, Rule 2   | Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)  | N                                  |
| BAAQMD Regulation 12, Rule 4   | Miscellaneous Standards of Performance - Sandblasting (7/11/90)   | N                                  |
| SIP Regulation 12, Rule 4  | Miscellaneous Standards of Performance - Sandblasting (9/2/81)  | Y                                  |
| California Health and Safety Code Section 41750 et seq.  | Portable Equipment  | N                                  |
| California Health and Safety Code Section 44300 et seq.  | Air Toxics "Hot Spots" Information and Assessment Act of 1987   | N                                  |
| <a href="#">California Health and Safety Code Title 17, Section 93115</a>  | <a href="#">Airborne Toxic Control Measure for Stationary Compression Ignition Engines</a>  | <u>N</u>                           |
| <a href="#">California Health and Safety Code Title 17, Section 93116</a>  | <a href="#">Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater</a> | <u>N</u>                           |
| <a href="#">California Health and Safety Code Title 17, Subchapter 10, Article 2, Sections 95100 through 95109</a> | <a href="#">Mandatory Greenhouse Gas Emissions Reporting</a>  | <u>N</u>                           |
| 40 CFR Part 61, Subpart M  | National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos ( <del>6/19/95</del> 7/20/04)      | Y                                  |
| EPA Regulation 40 CFR 82 Subpart F, 40 CFR 82.156  | Protection of Stratospheric Ozone ( <del>2/21/95</del> 4/13/05)   | Y                                  |
| Subpart F, 40 CFR 82.161   | <del>Leak Repair</del> <a href="#">Recycling and Emission Reductions – Required Practices</a>   | Y                                  |
| Subpart F, 40 CFR 82.161   | <a href="#">Recycling and Emissions Reductions – Technician Certification of Technicians</a>  | Y                                  |
| Subpart F, 40 CFR 82.166   | <del>Records of Refrigerant</del> <a href="#">Recycling and Emissions Reductions – Reporting and Recordkeeping Requirements</a>       | Y                                  |

#### IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

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

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

All other text may be found in the regulations themselves.

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S-1 Paint Spraying/Abrasive Blasting Operation**

| Applicable Requirement                      | Regulation Title or Description of Requirement                             | Federally Enforceable (Y/N) | Future Effective Date |
|---|--|-----------------------------|-----------------------|
| <a href="#">BAAQMD Regulation 6, Rule 1</a> | <a href="#">Particulate Matter, General Requirements (12/5/07)</a>         |                             |                       |
| <a href="#">6-1-301</a>                     | <a href="#">Ringelmann No. 1 Limitation</a>                                | <a href="#">N</a>           |                       |
| <a href="#">6-1-305</a>                     | <a href="#">Visible Particles</a>  | <a href="#">N</a>           |                       |
| <a href="#">6-1-401</a>                     | <a href="#">Appearance of Emissions</a>                                    | <a href="#">N</a>           |                       |
| <a href="#">BAAQMD SIP Regulation 6</a>     | <a href="#">Particulate Matter and Visible Emissions (12/19/90 9/4/98)</a> |                             |                       |
| 6-301                                       | Ringelmann No. 1 Limitation  | Y                           |                       |
| 6-305                                       | Visible Particles  | Y                           |                       |
| 6-401                                       | Appearance of Emissions  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S-1 Paint Spraying/Abrasive Blasting Operation**

| Applicable Requirement              | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------------|--|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 8, Rule 43</b> | <b>Organic Compounds - Surface Preparation and Coating of Marine Vessels (10/16/02)</b>        |                             |                       |
| 8-43-301                            | Limits   | Y                           |                       |
| 8-43-301.2                          | Air-Dried Coatings   | Y                           |                       |
| 8-43-302                            | Specialty Coating Limits   | Y                           |                       |
| 8-43-302.1                          | Anti-foulant   | Y                           |                       |
| 8-43-302.2                          | Heat Resistant   | Y                           |                       |
| 8-43-302.7                          | Pretreatment Wash Primer   | Y                           |                       |
| 8-43-302.9                          | Military Exterior Topcoat  | Y                           |                       |
| 8-43-302.10                         | Specialty Interior   | Y                           |                       |
| 8-43-302.12                         | Special Marking  | Y                           |                       |
| 8-43-320                            | Solvent Evaporative Loss Minimization  | Y                           |                       |
| 8-43-321                            | Surface Preparation Standards  | Y                           |                       |
| 8-43-501                            | Coating Records  | Y                           |                       |
| <b>40 CFR 63, Subpart A</b>         | <b>National Emission Standards for Hazardous Air Pollutants – General Provisions (4/22/04)</b> |                             |                       |
| 63.1                                | Applicability  | Y                           |                       |
| 63.1(a)                             | General  | Y                           |                       |
| 63.1(b)                             | Initial Applicability Determination  | Y                           |                       |
| 63.1(c)                             | Applicability of this Part after Relevant Standard has been Set                                | Y                           |                       |
| 63.4                                | Prohibited Activities and Circumvention  | Y                           |                       |
| 63.5                                | Preconstruction Review and Notification Requirements   | Y                           |                       |
| 63.6                                | Compliance with Standards and Maintenance Requirements   | Y                           |                       |
| 63.6(a)                             | Applicability  | Y                           |                       |
| 63.6(b)                             | Compliance Dates for New and Reconstructed Sources   | Y                           |                       |
| 63.6(c)                             | Compliance Dates for Existing Sources  | Y                           |                       |
| 63.6(i)                             | Extension of Compliance with Emission Standards  | Y                           |                       |
| 63.6(j)                             | Exemption from Compliance with Emission Standards  | Y                           |                       |
| 63.9                                | Notification Requirements  | Y                           |                       |
| 63.9(a)                             | Applicability and General Information  | Y                           |                       |
| 63.9(b)                             | Initial Notifications  | Y                           |                       |

## IV. Source-Specific Applicable Requirements

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S-1 Paint Spraying/Abrasive Blasting Operation**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| 63.9(c)                       | Request for Extension of Compliance  | Y                                  |                              |
| 63.9(d)                       | Notification that Source is Subject to Special Compliance Requirements                               | Y                                  |                              |
| 63.9(i)                       | Adjustment to Time Periods or Postmark Deadlines for Submittal and Review of Required Communications | Y                                  |                              |
| 63.9(j)                       | Change in Information Already Provided   | Y                                  |                              |
| 63.10                         | Recordkeeping and Reporting Requirements   | Y                                  |                              |
| 63.10(a)                      | Applicability and General Information  | Y                                  |                              |
| 63.10(b)                      | General Recordkeeping Requirements   | Y                                  |                              |
| 63.10(d)                      | General Reporting Requirements   | Y                                  |                              |
| 63.15                         | Availability of Information and Confidentiality  | Y                                  |                              |
| 63.15(a)                      | Availability of Information  | Y                                  |                              |
| 63.15(b)                      | Confidentiality  | Y                                  |                              |
| <b>40 CFR 63, Subpart II</b>  | <b>National Emission Standards for Shipbuilding and Ship Repair (Surface Coating) (10/17/00)</b>     |                                    |                              |
| 63.781                        | Applicability  | Y                                  |                              |
| 63.781(a)                     | Shipbuilding and Ship Repair Operations at a Major Source  | Y                                  |                              |
| 63.781(b)                     | Exempt Coatings – Low Usage  | Y                                  |                              |
| 63.781(c)                     | Exempt Coatings – Non-refillable Aerosol Cans, Polyester Resin                                       | Y                                  |                              |
| 63.781(d)                     | Subpart A, Startups, Shutdowns, Malfunctions, and Continuous Monitoring does not apply.              | Y                                  |                              |
| 63.783                        | Standards  | Y                                  |                              |
| 63.783(a)                     | Volatile Organic HAP   | Y                                  |                              |
| 63.783(b)                     | Handling, Transfer, and Storage  | Y                                  |                              |
| 63.785                        | Compliance Procedures  | Y                                  |                              |
| 63.785(a)                     | Coating - Identification and Certification   | Y                                  |                              |
| 63.785(b)                     | Coating – Compliance Testing   | Y                                  |                              |
| 63.785(c)                     | Coating – Other Compliance Options   | Y                                  |                              |
| 63.785(d)                     | Violations   | Y                                  |                              |
| 63.786                        | Test Methods and Procedures  | Y                                  |                              |
| 63.786(a)                     | Method 24  | Y                                  |                              |
| 63.786(b)                     | Administrator Approval of Test Method  | Y                                  |                              |
| 63.786(c)                     | Batch Formulation Data   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S-1 Paint Spraying/Abrasive Blasting Operation**

| <b>Applicable Requirement</b>         | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|---------------------------------------|--|------------------------------------|------------------------------|
| 63.786(d)                             | Appendix A Forms and Procedures  | Y                                  |                              |
| 63.787                                | Notification Requirements  | Y                                  |                              |
| 63.787(a)                             | Subpart A Notifications - except §63.9(a) through (d) and (i) through (j) extended to 180 days | Y                                  |                              |
| 63.788                                | Recordkeeping and Reporting Requirements   | Y                                  |                              |
| 63.788(a)                             | Subpart A Recordkeeping and Reporting  | Y                                  |                              |
| 63.788(b)                             | Recordkeeping  | Y                                  |                              |
| 63.788(c)                             | 6-Month Reporting  | Y                                  |                              |
| Subpart II<br>Table 2                 | General Use Coating  | Y                                  |                              |
| Subpart II<br>Table 2                 | Anti-foulant Coating   | Y                                  |                              |
| Subpart II<br>Table 2                 | Military Exterior Coating  | Y                                  |                              |
| Subpart II<br>Table 2                 | Nonskid Coating  | Y                                  |                              |
| Subpart II<br>Table 2                 | Pre-treatment Wash Primer  | Y                                  |                              |
| Subpart II<br>Table 2                 | Special Marking Coating  | Y                                  |                              |
| Subpart II<br>Table 2                 | Specialty Interior Coating   | Y                                  |                              |
| <b>BAAQMD<br/>Condition<br/>#3419</b> | <b>Operating Requirement</b>   |                                    |                              |
| Part 1                                | Particulate Control (basis: Regulation 6-301, Regulation 6-305)                                | Y                                  |                              |
| Part 2                                | Wind Monitoring (basis: Regulation 6-305, Regulation 2-6-503)                                  | Y                                  |                              |
| Part 3                                | Visible Emission Check (basis: Regulation 6-301, Regulation 6-305, Regulation 2-6-503)         | Y                                  |                              |
| Part 4                                | Recordkeeping (basis: Regulation 6-301, Regulation 8-43-501, Regulation 2-6-501)               | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV - B**  
**Source-specific Applicable Requirements**  
**S-2 Sandblasting Operation**

| Applicable Requirement                      | Regulation Title or Description of Requirement   | Federally Enforceable (Y/N) | Future Effective Date |
|---|--|-----------------------------|-----------------------|
| <a href="#">BAAQMD Regulation 6, Rule 1</a> | <a href="#">Particulate Matter, General Requirements (12/5/07)</a>                           |                             |                       |
| <a href="#">6-1-301</a>                     | <a href="#">Ringelmann No. 1 Limitation</a>  | N                           |                       |
| <a href="#">6-1-305</a>                     | <a href="#">Visible Particles</a>  | N                           |                       |
| <a href="#">6-1-401</a>                     | <a href="#">Appearance of Emissions</a>  | N                           |                       |
| <del>BAAQMD SIP Regulation 6</del>          | <del>Particulate Matter and Visible Emissions (12/19/90 9/4/98)</del>                        |                             |                       |
| 6-301                                       | Ringelmann No. 1 Limitation  | Y                           |                       |
| 6-305                                       | Visible Particles  | Y                           |                       |
| 6-401                                       | Appearance of Emissions  | Y                           |                       |
| <del>BAAQMD Condition #3420</del>           | <del>Operating Requirement</del>   |                             |                       |
| Part 1                                      | Visible Emissions Monitoring (basis: Regulation 6-301, Regulation 6-305, Regulation 2-6-503) | Y                           |                       |
| Part 2                                      | Recordkeeping (basis: Regulation 6-301, Regulation 6-305, Regulation 2-6-501)                | Y                           |                       |

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S-10 Paint Spray Booth**

| Applicable Requirement                  | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|-----------------------------|-----------------------|
| <del>BAAQMD Regulation 8, Rule 43</del> | <del>Organic Compounds - Surface Preparation and Coating of Marine Vessels (10/16/02)</del> |                             |                       |
| 8-43-301                                | Limits  | Y                           |                       |
| 8-43-301.2                              | Air-Dried Coatings  | Y                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S-10 Paint Spray Booth**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| 8-43-302                      | Specialty Coating Limits   | Y                                  |                              |
| 8-43-302.1                    | Anti-foulant   | Y                                  |                              |
| 8-43-302.2                    | Heat Resistant   | Y                                  |                              |
| 8-43-302.7                    | Pretreatment Wash Primer   | Y                                  |                              |
| 8-43-302.9                    | Military Exterior Topcoat  | Y                                  |                              |
| 8-43-302.10                   | Specialty Interior   | Y                                  |                              |
| 8-43-302.12                   | Special Marking  | Y                                  |                              |
| 8-43-320                      | Solvent Evaporative Loss Minimization  | Y                                  |                              |
| 8-43-321                      | Surface Preparation Standards  | Y                                  |                              |
| 8-43-501                      | Coating Records  | Y                                  |                              |
| <b>40 CFR 63, Subpart A</b>   | <b>National Emission Standards for Hazardous Air Pollutants – General Provisions (4/22/04)</b>       |                                    |                              |
| 63.1                          | Applicability  | Y                                  |                              |
| 63.1(a)                       | General  | Y                                  |                              |
| 63.1(b)                       | Initial Applicability Determination  | Y                                  |                              |
| 63.1(c)                       | Applicability of this Part after Relevant Standard has been Set                                      | Y                                  |                              |
| 63.4                          | Prohibited Activities and Circumvention  | Y                                  |                              |
| 63.5                          | Preconstruction Review and Notification Requirements   | Y                                  |                              |
| 63.6                          | Compliance with Standards and Maintenance Requirements   | Y                                  |                              |
| 63.6(a)                       | Applicability  | Y                                  |                              |
| 63.6(b)                       | Compliance Dates for New and Reconstructed Sources   | Y                                  |                              |
| 63.6(c)                       | Compliance Dates for Existing Sources  | Y                                  |                              |
| 63.6(i)                       | Extension of Compliance with Emission Standards  | Y                                  |                              |
| 63.6(j)                       | Exemption from Compliance with Emission Standards  | Y                                  |                              |
| 63.9                          | Notification Requirements  | Y                                  |                              |
| 63.9(a)                       | Applicability and General Information  | Y                                  |                              |
| 63.9(b)                       | Initial Notifications  | Y                                  |                              |
| 63.9(c)                       | Request for Extension of Compliance  | Y                                  |                              |
| 63.9(d)                       | Notification that Source is Subject to Special Compliance Requirements                               | Y                                  |                              |
| 63.9(i)                       | Adjustment to Time Periods or Postmark Deadlines for Submittal and Review of Required Communications | Y                                  |                              |
| 63.9(j)                       | Change in Information Already Provided   | Y                                  |                              |



#### IV. Source-Specific Applicable Requirements

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S-10 Paint Spray Booth**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| 63.10                         | Recordkeeping and Reporting Requirements   | Y                                  |                              |
| 63.10(a)                      | Applicability and General Information  | Y                                  |                              |
| 63.10(b)                      | General Recordkeeping Requirements   | Y                                  |                              |
| 63.10(d)                      | General Reporting Requirements   | Y                                  |                              |
| 63.15                         | Availability of Information and Confidentiality  | Y                                  |                              |
| 63.15(a)                      | Availability of Information  | Y                                  |                              |
| 63.15(b)                      | Confidentiality  | Y                                  |                              |
| <b>40 CFR 63, Subpart II</b>  | <b>National Emission Standards for Shipbuilding and Ship Repair (Surface Coating) (10/17/00)</b> |                                    |                              |
| 63.781                        | Applicability  | Y                                  |                              |
| 63.781(a)                     | Shipbuilding and Ship Repair Operations at a Major Source  | Y                                  |                              |
| 63.781(b)                     | Exempt Coatings – Low Usage  | Y                                  |                              |
| 63.781(c)                     | Exempt Coatings – Non-refillable Aerosol Cans, Polyester Resin                                   | Y                                  |                              |
| 63.781(d)                     | Subpart A, Startups, Shutdowns, Malfunctions, and Continuous Monitoring does not apply.          | Y                                  |                              |
| 63.783                        | Standards  | Y                                  |                              |
| 63.783(a)                     | Volatile Organic HAP   | Y                                  |                              |
| 63.783(b)                     | Handling, Transfer, and Storage  | Y                                  |                              |
| 63.785                        | Compliance Procedures  | Y                                  |                              |
| 63.785(a)                     | Coating - Identification and Certification   | Y                                  |                              |
| 63.785(b)                     | Coating – Compliance Testing   | Y                                  |                              |
| 63.785(c)                     | Coating – Other Compliance Options   | Y                                  |                              |
| 63.785(d)                     | Violations   | Y                                  |                              |
| 63.786                        | Test Methods and Procedures  | Y                                  |                              |
| 63.786(a)                     | Method 24  | Y                                  |                              |
| 63.786(b)                     | Administrator Approval of Test Method  | Y                                  |                              |
| 63.786(c)                     | Batch Formulation Data   | Y                                  |                              |
| 63.786(d)                     | Appendix A Forms and Procedures  | Y                                  |                              |
| 63.787                        | Notification Requirements  | Y                                  |                              |
| 63.787(a)                     | Subpart A Notifications - except §63.9(a) through (d) and (i) through (j) extended to 180 days   | Y                                  |                              |
| 63.788                        | Recordkeeping and Reporting Requirements   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S-10 Paint Spray Booth**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>          | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| 63.788(a)                     | Subpart A Recordkeeping and Reporting                          | Y                                  |                              |
| 63.788(b)                     | Recordkeeping  | Y                                  |                              |
| 63.788(c)                     | 6-Month Reporting  | Y                                  |                              |
| Subpart II Table 2            | General Use Coating  | Y                                  |                              |
| Subpart II Table 2            | Anti-foulant Coating   | Y                                  |                              |
| Subpart II Table 2            | Military Exterior Coating                                      | Y                                  |                              |
| Subpart II Table 2            | Nonskid Coating  | Y                                  |                              |
| Subpart II Table 2            | Pre-treatment wash primer                                      | Y                                  |                              |
| Subpart II Table 2            | Special Marking Coating  | Y                                  |                              |
| Subpart II Table 2            | Specialty Interior Coating                                     | Y                                  |                              |
| <b>BAAQMD Condition #7887</b> | <b>Organic Compounds</b>                                       |                                    |                              |
| Part 1                        | Annual VOC Emissions Limit (basis: Cumulative Increase)        | Y                                  |                              |
| Part 2                        | Daily VOC Emissions Limit (basis: Cumulative Increase)         | Y                                  |                              |
| Part 3                        | Annual Coating Throughput Limit (basis: Cumulative Increase)   | Y                                  |                              |
| Part 4                        | Daily Coating Throughput Limit (basis: Cumulative Increase)    | Y                                  |                              |
| Part 5                        | Annual Solvent Throughput Limit (basis: Cumulative Increase)   | Y                                  |                              |
| Part 6                        | Daily Solvent Throughput Limit (basis: Avoidance of BACT)      | Y                                  |                              |
| Part 7                        | Recordkeeping (basis: Regulation 8-43-501, Regulation 2-6-501) | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV - D**  
**Source-specific Applicable Requirements**  
**S-12 Polyester Resin Operation, Hand-Layup**

| <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 50</b> | <b>Organic Compounds – Polyester Resin Operations (11/06/96)</b> |                                    |                              |
| 8-50-301                            | Process Requirements   | Y                                  |                              |
| 8-50-301.1                          | Monomer content of no greater than 35 percent by weight          | Y                                  |                              |
| 8-50-305                            | Surface Preparation and Clean-up Solvent                         | Y                                  |                              |
| 8-50-501                            | Records  | Y                                  |                              |
| <b>BAAQMD Condition #17063</b>      | <b>Organic Compounds</b>   |                                    |                              |
| Part 1                              | Annual Resin Throughput Limit (basis: Cumulative Increase)       | Y                                  |                              |
| Part 2                              | Annual Solvent Throughput Limit (basis: Cumulative Increase)     | Y                                  |                              |
| Part 3                              | Recordkeeping (basis: Regulation 8-50-501, Regulation 2-6-501)   | Y                                  |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV - E**  
**Source-specific Applicable Requirements**  
**S-13 ~~Emergency Standby~~[Auxiliary Harbor Craft Prime](#) Diesel Engine [on Drydock#2](#)**

| Applicable Requirement                                 | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|--|---|-----------------------------|-----------------------|
| <b>SIP</b><br><b>Regulation 1</b>                      | <b><del>General Provisions and Definitions (6/28/99)</del></b>  |                             |                       |
| 1-110.2  | <del>Exclusions – Emergency Internal Combustion Engines</del>   | <del>Y</del>                |                       |
| <b>BAAQMD</b><br><b>Regulation 6,</b><br><b>Rule 1</b> | <b><del>Particulate Matter, General Requirements (12/5/07)</del></b>  |                             |                       |
| 6-1-303  | <del>Ringelmann No. 2 Limitation</del>  | <del>N</del>                |                       |
| 6-1-303.1  | <del>Standby Engines</del>  | <del>N</del>                |                       |
| 6-1-305  | <del>Visible Particles</del>  | <del>N</del>                |                       |
| 6-1-310  | <del>Particulate Weight Limitation</del>  | <del>N</del>                |                       |
| 6-1-401  | <del>Appearance of Emissions</del>  | <del>N</del>                |                       |
| <b>BAAQMD</b><br><b>SIP</b><br><b>Regulation 6</b>     | <b><del>Particulate Matter and Visible Emissions (12/19/90 9/4/98)</del></b>  |                             |                       |
| 6-303  | Ringelmann No. 2 Limitation   | <del>NY</del>               |                       |
| 6-303.1  | Standby Engines   | <del>NY</del>               |                       |
| 6-305  | Visible Particles   | <del>NY</del>               |                       |
| 6-310  | Particulate Weight Limitation   | <del>NY</del>               |                       |
| 6-401  | Appearance of Emissions   | <del>NY</del>               |                       |
| <b>BAAQMD</b><br><b>Regulation 9,</b><br><b>Rule 1</b> | <b><del>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</del></b>   |                             |                       |
| 9-1-301  | Limitations on Ground Level Concentrations  | N                           |                       |
| 9-1-304  | Fuel Burning (Liquid and Solid Fuels)   | N                           |                       |
| <b>BAAQMD</b><br><b>Regulation 9,</b><br><b>Rule 8</b> | <b><del>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/01)</del></b> |                             |                       |
| 9-8-110  | Exemptions  | N                           |                       |
| 9-8-330  | Emergency Standby Engines, Hours of Operation   | N                           |                       |
| 9-8-530  | Emergency Standby Engines, Monitoring and Recordkeeping   | N                           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV - E**  
**Source-specific Applicable Requirements**  
**S-13 [Emergency Standby Auxiliary Harbor Craft Prime Diesel Engine on Drydock#2](#)**

| Applicable Requirement  | Regulation Title or Description of Requirement  | Federally Enforceable (Y/N) | Future Effective Date |
|---|---|-----------------------------|-----------------------|
| <a href="#">California Code of Regulations, Title 17, Section 93118.5</a> | <a href="#">Airborne Toxic Control Measure for Commercial Harbor Craft</a>  |                             |                       |
| <a href="#">93118.5(e)(1)</a>   | <a href="#">All Harbor Craft – Low Sulfur Fuel Use Requirement</a>  | <a href="#">N</a>           |                       |
| <a href="#">93118.5(e)(2)</a>   | <a href="#">All Harbor Craft – Installation and Use of Non-Resettable Hour Meters</a>   | <a href="#">N</a>           |                       |
| <a href="#">93118.5(g)</a>  | <a href="#">Recordkeeping requirements</a>  | <a href="#">N</a>           |                       |
| <b><a href="#">BAAQMD Condition #18943</a></b>                            |   |                             |                       |
| <a href="#">Part 1</a>  | <a href="#">Hours of Operation (basis: Regulation 9-8-330)</a>  | <a href="#">N</a>           |                       |
| <a href="#">Part 2</a>  | <a href="#">Fuel and Fuel Sulfur Content (basis: Regulation 9-1-304)</a>  | <a href="#">N</a>           |                       |
| <a href="#">Part 3</a>  | <a href="#">Emergency Use (basis: Regulation 9-8-231)</a>   | <a href="#">N</a>           |                       |
| <a href="#">Part 4</a>  | <a href="#">Reliability Related Activities (basis: Regulation 9-8-232)</a>  | <a href="#">N</a>           |                       |
| <a href="#">Part 5</a>  | <a href="#">Monitoring (basis: Regulation 9-8-530)</a>  | <a href="#">N</a>           |                       |
| <a href="#">Part 6</a>  | <a href="#">Recordkeeping (basis: Regulation 1-441, Regulation 9-8-530, Regulation 2-6-501)</a>   | <a href="#">N</a>           |                       |
| <b><a href="#">BAAQMD Condition # 24809</a></b>                           |   |                             |                       |
| <a href="#">Part 1</a>  | <a href="#">Hours of Operation (basis: cumulative increase)</a>   | <a href="#">Y</a>           |                       |
| <a href="#">Part 2</a>  | <a href="#">Ringelmann No. 2 Limitation (basis: Regulation 6-1-303)</a>   | <a href="#">Y</a>           |                       |
| <a href="#">Part 3</a>  | <a href="#">Recordkeeping (basis: “ATCM for Diesel Engines on Harbor Craft”, CA Code of Regulations, Title 17, chapter 1, subchapter 7.5, section 93118.5(g))</a> | <a href="#">N</a>           |                       |

#### IV. Source-Specific Applicable Requirements

**Table IV - F**  
**Source-specific Applicable Requirements**  
**S-15 Prime Diesel Generator Engine (Eureka Dry Dock)**

| <u>Applicable Requirement</u>                                  | <u>Regulation Title or Description of Requirement</u>  | <u>Federally Enforceable (Y/N)</u> | <u>Future Effective Date</u> |
|--|--|------------------------------------|------------------------------|
| <u>BAAQMD Regulation 6, Rule 1</u>                             | <u>Particulate Matter, General Requirements (12/5/07)</u>  |                                    |                              |
| <u>6-1-303</u>   | <u>Ringelmann No. 2 Limitation</u>   | <u>N</u>                           |                              |
| <u>6-1-303.1</u>   | <u>Standby Engines</u>   | <u>N</u>                           |                              |
| <u>6-1-305</u>   | <u>Visible Particles</u>   | <u>N</u>                           |                              |
| <u>6-1-310</u>   | <u>Particulate Weight Limitation</u>   | <u>N</u>                           |                              |
| <u>6-1-401</u>   | <u>Appearance of Emissions</u>   | <u>N</u>                           |                              |
| <u>SIP Regulation 6</u>  | <u>Particulate Matter and Visible Emissions ( 9/4/98)</u>  |                                    |                              |
| <u>6-303</u>   | <u>Ringelmann No. 2 Limitation</u>   | <u>Y</u>                           |                              |
| <u>6-303.1</u>   | <u>Standby Engines</u>   | <u>Y</u>                           |                              |
| <u>6-305</u>   | <u>Visible Particles</u>   | <u>Y</u>                           |                              |
| <u>6-310</u>   | <u>Particulate Weight Limitation</u>   | <u>Y</u>                           |                              |
| <u>6-401</u>   | <u>Appearance of Emissions</u>   | <u>Y</u>                           |                              |
| <u>BAAQMD Regulation 9, Rule 1</u>                             | <u>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</u>   |                                    |                              |
| <u>9-1-301</u>   | <u>Limitations on Ground Level Concentrations</u>  | <u>N</u>                           |                              |
| <u>9-1-304</u>   | <u>Fuel Burning (Liquid and Solid Fuels)</u>   | <u>N</u>                           |                              |
| <u>BAAQMD Regulation 9, Rule 8</u>                             | <u>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/01)</u> |                                    |                              |
| <u>9-8-110</u>   | <u>Exemptions</u>  | <u>N</u>                           |                              |
| <u>9-8-330</u>   | <u>Emergency Standby Engines, Hours of Operation</u>   | <u>N</u>                           |                              |
| <u>9-8-530</u>   | <u>Emergency Standby Engines, Monitoring and Recordkeeping</u>   | <u>N</u>                           |                              |
| <u>California Code of Regulations, Title 17, Section 93115</u> | <u>Airborne Toxic Control Measure for Stationary Compression Ignition Engines</u>  |                                    |                              |
| <u>93115.3(j)</u>  | <u>Exemptions – Low-use prime engines outside of school boundaries</u>   | <u>N</u>                           |                              |
| <u>93115.5(a)</u>  | <u>Fuel and fuel additive requirements</u>   | <u>N</u>                           |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV - F**  
**Source-specific Applicable Requirements**  
**S-15 Prime Diesel Generator Engine (Eureka Dry Dock)**

| <u>Applicable Requirement</u>         | <u>Regulation Title or Description of Requirement</u>   | <u>Federally Enforceable (Y/N)</u> | <u>Future Effective Date</u> |
|---------------------------------------|---|------------------------------------|------------------------------|
| 93115.10(a)                           | <u>Reporting requirements</u>   | <u>N</u>                           |                              |
| 93115.10(e)                           | <u>Monitoring equipment</u>   | <u>N</u>                           |                              |
| <b><u>BAAQMD Condition #24810</u></b> |   |                                    |                              |
| <u>Part 1</u>                         | <u>Hours of Operation (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, section 93115.3(j))</u>                                  | <u>N</u>                           |                              |
| <u>Part 2</u>                         | <u>Ringelmann No. 2 Limitation (basis: Regulation 6-1-303)</u>  | <u>Y</u>                           |                              |
| <u>Part 3</u>                         | <u>Non-resettable totalizing meter (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, section 93115.10(e))</u>                    | <u>N</u>                           |                              |
| <u>Part 4</u>                         | <u>Recordkeeping (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, section 93115.10(a) or Regulation 2-6-501)</u>                | <u>Y</u>                           |                              |
| <u>Part 5</u>                         | <u>Operation Prohibited within 500 feet of school site (basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, section 93115.3(j))</u> | <u>N</u>                           |                              |

**Table IV - G**  
**Source-specific Applicable Requirements**  
**S-16 Abrasive Blast Room with Pneumatic Recovery System**

| <u>Applicable Requirement</u>             | <u>Regulation Title or Description of Requirement</u>            | <u>Federally Enforceable (Y/N)</u> | <u>Future Effective Date</u> |
|---|--|------------------------------------|------------------------------|
| <b><u>BAAQMD Regulation 6, Rule 1</u></b> | <b><u>Particulate Matter, General Requirements (12/5/07)</u></b> |                                    |                              |
| <u>6-1-301</u>                            | <u>Ringelmann No. 1 Limitation</u>                               | <u>N</u>                           |                              |
| <u>6-1-305</u>                            | <u>Visible Particles</u>   | <u>N</u>                           |                              |
| <u>6-1-310</u>                            | <u>Particulate Weight Limitation</u>                             | <u>N</u>                           |                              |

#### IV. Source-Specific Applicable Requirements

**Table IV - G**  
**Source-specific Applicable Requirements**  
**S-16 Abrasive Blast Room with Pneumatic Recovery System**

| <u>Applicable Requirement</u>         | <u>Regulation Title or Description of Requirement</u>                               | <u>Federally Enforceable (Y/N)</u> | <u>Future Effective Date</u> |
|---------------------------------------|---|------------------------------------|------------------------------|
| <u>6-1-311</u>                        | <u>General Operations</u>   | <u>N</u>                           |                              |
| <u>6-1-401</u>                        | <u>Appearance of Emissions</u>  | <u>N</u>                           |                              |
| <b><u>SIP Regulation 6</u></b>        | <b><u>Particulate Matter and Visible Emissions ( 9/4/98)</u></b>                    |                                    |                              |
| <u>6-301</u>                          | <u>Ringelmann No. 1 Limitation</u>  | <u>Y</u>                           |                              |
| <u>6-305</u>                          | <u>Visible Particles</u>  | <u>Y</u>                           |                              |
| <u>6-310</u>                          | <u>Particulate Weight Limitation</u>  | <u>Y</u>                           |                              |
| <u>6-311</u>                          | <u>General Operations</u>   | <u>Y</u>                           |                              |
| <u>6-401</u>                          | <u>Appearance of Emissions</u>  | <u>Y</u>                           |                              |
| <b><u>BAAQMD Condition #23507</u></b> |   |                                    |                              |
| <u>Part 1</u>                         | <u>Material Restrictions (basis: cumulative increase)</u>                           | <u>Y</u>                           |                              |
| <u>Part 2</u>                         | <u>Material throughput (basis: cumulative increase)</u>                             | <u>Y</u>                           |                              |
| <u>Part 3</u>                         | <u>Abatement requirement (basis: cumulative increase)</u>                           | <u>Y</u>                           |                              |
| <u>Part 4</u>                         | <u>Abrasive throughput (basis: 40 CFR 64)</u>                                       | <u>Y</u>                           |                              |
| <u>Part 5</u>                         | <u>Exhaust grain loading limit (basis: (basis: cumulative increase, BACT)</u>       | <u>Y</u>                           |                              |
| <u>Part 6</u>                         | <u>Recordkeeping (basis: cumulative increase, BACT)</u>                             | <u>Y</u>                           |                              |
| <u>Part 7</u>                         | <u>Manometer gauge requirement (basis: cumulative increase, Regulation 2-6-503)</u> | <u>Y</u>                           |                              |
| <u>Part 8</u>                         | <u>Pressure Drop Range (basis: cumulative increase, Regulation 2-6-503)</u>         | <u>Y</u>                           |                              |
| <u>Part 9</u>                         | <u>Pressure Drop Monitoring (basis: cumulative increase, Regulation 2-6-503)</u>    | <u>Y</u>                           |                              |



## V. SCHEDULE OF COMPLIANCE

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

## VI. PERMIT CONDITIONS

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

### **Condition #3419**

#### **Application 1005, Revised under Application 16485 For S-1, Paint Spraying/Abrasive Blasting Operation**

1. Tarp, curtains, and shrouding shall be use at all times during paint spray or abrasive blasting operations. (basis: District Regulation 6-301, District Regulation 6-305)
2. A windsock shall be used to determine wind direction and wind velocity. Paint spraying operation shall stop when wind direction and velocity indicates that particles are blowing off the facility site. (basis: District Regulation 6- 305, District Regulation 2-6-503)
3. The abrasive blasting operation shall be visually checked for visible emissions while the equipment is operating at all times. If any visible emissions are detected, the operator shall shut down the operation and take corrective action until visible emissions are no longer detected. (basis: District Regulation 6-301, District Regulation 6-305, District Regulation 2-6-503)
4. The daily usage of all coating, clean-up solvent, abrasive, and visible emission checks, along with any corrective action taken, shall be recorded in a District approved log and retained for at least five years from date of entry. This log shall be kept on site and made available to the district staff upon request. (basis: District Regulation 6-301, District Regulation 8-43-501, District Regulation 2-6-501)

### **Condition #3420**

#### **Application 1005, Revised under Application 16485 For S-2, Sandblasting Operation**

1. The abrasive blasting operation shall be visually checked for visible emissions while the equipment is operating at all times. If any visible emissions are detected, the operator shall shut down the operation and take corrective action

## VI. Permit Conditions

until visible emissions are no longer detected. (basis: District Regulation 6-301, District Regulation 6-305, District Regulation 2-6-503)

2. The daily throughput of sandblasting material and records of all visible emission checks, along with any corrective action taken, shall be recorded in a District approved log and retained for at least five years from date of entry. This log shall be kept on site and made available to the district Staff upon request. (basis: District Regulation 6-301, District Regulation 6-305, District Regulation 2-6-501)

### **Condition #7887**

#### **Application 4789, Revised under Application 16485, 11369 For S-10, Paint Spray Booth**

1. The total release of precursor organic compounds from this painting operation (S-10) shall not exceed 22.5 tons in any consecutive 12-month period. (basis: Cumulative Increase)
2. The total release of precursor organic compounds from this painting operation (S-10) shall not exceed 140 pounds in any day. (basis: Cumulative Increase)
3. The total usage of coating at S-10 shall not exceed 12,600 gallons in any consecutive 12-month period. (basis: Cumulative Increase)
4. The total usage of coating at S-10 shall not exceed 40 gallons in any day. (basis: Cumulative Increase)
5. The total usage of cleanup solvent shall not exceed 1385 gallons in any consecutive 12-month period. (basis: Cumulative Increase)
6. The total usage of cleanup solvent shall not exceed 4 gallons in any day. (basis: Cumulative Increase)
7. The type, VOC content, and amount of coating and cleanup solvent used shall be recorded, in a District approved log, on a daily basis. This record shall be retained for a period of at least five years from date of entry. It shall be kept on site and made available to the District staff upon request. (basis: Cumulative Increase, District Regulation 8-43-501, District Regulation 2-6-501)

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**Condition #17063**  
**Application 807**  
**For S-12, Polyester Resin Operation**

1. The total amount of polyester resin material used at S-12 shall not exceed 200 gallons during any consecutive twelve month period. (basis: Cumulative Increase)
2. The total amount of acetone used at S-12 shall not exceed 10 gallons during any consecutive twelve-month period. (basis: Cumulative Increase)
3. In order to demonstrate compliance with above conditions, the following shall be maintained in a District approved log and retained for at least five years from date of entry. This log shall be kept on site and made available to the District staff upon request.
  - a) The type, monomer content, amount of polyester resin, and solvent used monthly.  
(basis: District Regulation 8-50-501, District Regulation 2-6-501)

**Condition #18943**  
**Application 4417, Revised under Application 11369**  
**For S-13, Emergency Standby Diesel Generator**

- ~~\*1. Hours of Operation: The emergency standby generator, S-13, shall only be operated for emergency use or for reliability related activities. Operation for reliability related activities shall not exceed 100 hours per calendar year for S-13. Operation for emergency use is unlimited.  
(basis: District Regulation 9-8-330)~~
- ~~\*2. The emergency standby generator, S-13, shall be fired exclusively on diesel fuel having a sulfur content no greater than 0.5% by weight. The sulfur content of the fuel shall be certified by the fuel vendor.  
(basis: District Regulation 9-1-304)~~
- ~~\*3. Emergency use is defined as the use of an emergency standby engine during any of the following:  
a. In the event of loss of regular natural gas supply;  
b. In the event of failure of regular electric power supply;  
c. Flood mitigation;~~

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- ~~d. Sewage overflow mitigation;~~
- ~~e. Fire;~~
- ~~f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.~~  
(basis: ~~District Regulation 9-8-231~~)

- ~~\*4. Reliability related activities is defined as the use of an emergency standby engine during any of the following:~~
  - ~~a. Operation of an emergency standby engine to test its ability to perform for an emergency use;~~
  - ~~b. Operation of an emergency standby engine during maintenance of a primary motor.~~(basis: ~~District Regulation 9-8-232~~)

- ~~\*5. Monitoring: Each emergency standby engine shall be equipped with either:~~
  - ~~a. A non-resettable totalizing meter that measures and records hours of operation.~~
  - ~~b. A non-resettable fuel usage meter~~(basis: ~~District Regulation 9-8-530~~)

- ~~\*6. Recordkeeping: All records shall be kept for at least five years, and shall be available for inspection by District staff upon request. The operator shall keep a monthly log of usage that shall indicate the following:~~
  - ~~a. Hours of operation (total)~~
  - ~~b. Hours of operation (emergency) and the nature of the emergency condition.~~
  - ~~c. Fuel usage.~~(basis: ~~District Regulation 1-441, District Regulation 9-8-530, District Regulation 2-6-501~~)

### Condition# 23507

BAE Ship Repair, P#3288

Applications #15850, 22063

Conditions for S-16, Abrasive Blast Room with 4 Blasting Nozzles and Pneumatic Recovery System, abated by A-16, Dust Collector, Clemco Industries, Model CDF-48, 48,000 cfm

1. The owner/operator shall ensure that only unpainted metal surfaces and metal surfaces coated with the following coatings are processed at S-16:  
Amercoat 235 Epoxy

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Amerlock 2 VOC Epoxy  
Amercoat 140 Epoxy  
Interguard 264 Epoxy  
Amershield Black Urethane  
Interthane 990HS Urethane  
Interspeed 640 Black Antifoulant Coating  
PPG Industries ABC #3 Black Antifoulant Coating  
(basis: Cumulative Increase, Regulation 2, Rule 5)

2. The owner/operator shall ensure that processing of coated metal surfaces at S-16 does not exceed the following limits:
  - a. Combined limit for both the Interspeed 640 Black and PPG Industries ABC #3 Black Antifoulant Coatings: 2,900 hours in any consecutive 12-month period
  - b. For PPG Industries ABC #3 Black Antifoulant Coating: 30 minutes per hour (basis: Regulation 2, Rule 5)
3. The owner/operator shall operate S-16 such that the abrasive throughput does not exceed 750,000 pounds per consecutive twelve month period. (basis: 40 CFR 64)
4. The owner/operator shall ensure that emissions from S-16 are abated by the properly maintained Dust Collector, A-16, at all times that S-16 is operating. (basis: Cumulative Increase, BACT)
5. The owner/operator shall ensure that emissions from A-16 do not exceed 0.002 grains per dry standard cubic foot of exhaust volume and shall ensure compliance with this limit by maintaining A-16 per the manufacturer's servicing and maintenance recommendations. (basis: Cumulative Increase, BACT)
6. To demonstrate compliance with conditions #1, #2, and #3, the owner/operator of S-16 shall maintain the following records in a District-approved log:
  - a. Daily hours of operation;
  - b. For all coated parts processed at this source, a record of the coating name and the processing duration (hours);
  - c. For PPG Industries ABC #3 Black Antifoulant Coating, the processing duration in minutes per hour;
  - d. Maintenance records for A-16, including the date and description of service;
  - e. At the end of each month, the total hours of operation from Part 6(a) shall be summed for the month;

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- f. At the end of each month, the total hours of operation from Part 6(b) shall be summed for the month for each coating;
- g. At the end of each month, the maximum number of minutes per hour of S-16 operation subject to Part 2(b) shall be noted for the month; and
- h. At the end of each month, the sums from Parts 6(e) and (f) shall be totaled for the previous 12 month period.
- i. Abrasive throughput in pounds per month and totaled over a consecutive twelve-month period.

These records shall be maintained onsite for a minimum of 5 years from the date that the record was made and shall be made available for District inspection upon request.

(basis: Cumulative Increase, BACT, Regulation 2, Rule 5, Regulation 2, Rule 6)

- 7. The owner/operator shall insure that A-16 Baghouse is equipped with a manometer gauge to measure the pressure drop across the filter bags in inches water column. (basis: cumulative increase, Regulation 2-6-503)
- 8. The owner/operator shall insure that the pressure drop across the filter bags at A-16 Baghouse shall be no lower 0.5 inches water column and no higher than 6.0 inches water column whenever S-16 and A-16 are in operation to verify compliance with parts 3 and 4. (basis: cumulative increase, Regulation 2-6-503)
- 9. The owner/operator of S-16 and A-16 shall monitor and record the pressure drop across the filter bags at A-16 on a weekly basis. These records shall be maintained on site for a minimum of 5 years from the date of record and shall be made available for inspection by District personnel upon request. (basis: cumulative increase, Regulation 2-6-503)

### Condition #24809

For S-13 Auxiliary Harbor Craft Engine on Dry Dock #2

S-13 Auxiliary Harbor Craft Engine on Dry-dock #2 BAE Systems San Francisco Ship Repair Inc (Oct 2010)

- 1. The total hours of operation for S-13 are limited to no more than 80 hrs per year. [Basis: Cumulative increase]
- 2. Visible particulate emissions from S-13 shall not be as dark as or darker than No. 2 on Ringlemann Chart for a period or periods aggregating more than three minutes in any hour. [Basis: District Regulation 6-303]

## VI. Permit Conditions

3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
  - a. Hours of operation.
  - b. Fuel usage for each engine(s).

[Basis: "ATCM for Diesel Engines on Commercial Harbor Craft"CA Code of Regulations, Title 17, chapter 1, subchapter 7.5, section 93118.5(g)]

### Condition #24810

#### For S-15 Diesel Generator Engine for Eureka Dry Dock

#### S-15 Diesel Generator for Eureka Dry-dock BAE Systems San Francisco Ship Repair Inc (Oct 2010)

1. The Operation of S-15 is limited to no more than 20 hours per year. [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, subsection 93115.3(j)]
2. Visible particulate emissions from S-15 shall not be as dark as or darker than No. 2 on Ringlemann Chart for a period or periods aggregating more than three minutes in any hour. [Basis: District Regulation 6-303]
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.

[Basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, section 93115(e)(4)(G)(1)]
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months if the facility has been issued a Title V Major Facility Review Permit. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
  - a. Hours of operation.
  - b. Fuel usage for each engine(s).

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[Basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, section 93115(e)(4)(I), or Regulation 2-6-501]

5. The engine shall be located more than 500 feet from a school at all time "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property. [Basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, section 93115.3(j)]



## VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

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

**Table VII – A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-1 Paint Spray/Abrasive Blasting Operation**

| Type of limit | Citation of Limit              | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                | Monitoring Frequency (P/C/N) | Monitoring Type                         |
|---------------|--------------------------------|--------|-----------------------|--|--|------------------------------|---|
| Opacity       | <a href="#">BAAQMD 6-1-301</a> | N      |                       | <a href="#">Ringelmann #1 Limitation for &lt; 3 minutes/hour</a> | <a href="#">BAAQMD Condition #3419, Part 3</a> | P/E                          | <a href="#">Visible Emission Checks</a> |
| Opacity       | <del>BAAQMD SIP</del> 6-301    | Y      |                       | Ringelmann #1 Limitation for < 3 minutes/hour                    | BAAQMD Condition #3419, Part 3                 | P/E                          | Visible Emission Checks                 |
| VOC           | BAAQMD 8-43-301.2              | Y      |                       | General coating: air dried<br>2.8 lbs VOC/gal*                   | BAAQMD 8-43-501                                | P/D                          | Records                                 |
| VOC           | BAAQMD 8-43-302.1              | Y      |                       | Anti-foulant coating:<br>3.3 lbs VOC/gal*                        | BAAQMD 8-43-501                                | P/D                          | Records                                 |
| VOC           | BAAQMD 8-43-302.2              | Y      |                       | Heat Resistant coating:<br>3.5 lbs VOC/gal*                      | BAAQMD 8-43-501                                | P/D                          | Records                                 |
| VOC           | BAAQMD 8-43-302.7              | Y      |                       | Pretreatment Wash Primer:<br>3.5 lbs VOC/gal*                    | BAAQMD 8-43-501                                | P/D                          | Records                                 |
| VOC           | BAAQMD 8-43-302.9              | Y      |                       | Military Exterior Topcoat:<br>2.8 lbs VOC/gal*                   | BAAQMD 8-43-501                                | P/D                          | Records                                 |
| VOC           | BAAQMD 8-43-302.10             | Y      |                       | Specialty Interior coating:<br>2.8 lbs VOC/gal*                  | BAAQMD 8-43-501                                | P/D                          | Records                                 |

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-1 Paint Spray/Abrasive Blasting Operation**

| Type of limit | Citation of Limit                   | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------------------------|--------|-----------------------|---|---------------------------------|------------------------------|-----------------|
| VOC           | BAAQMD 8-43-302.12                  | Y      |                       | Special Marking coating:<br>4.1 lbs VOC/gal*    | BAAQMD 8-43-501                 | P/D                          | Records         |
| VOC           | BAAQMD 8-43-321                     | Y      |                       | Surface Preparation Solvent<br>0.42 lbs/gal     | BAAQMD 8-43-501                 | P/D                          | Records         |
| VOC           | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | General Coating<br>2.83 lbs VOC/gal*            | 40 CFR 63.788                   | P/M                          | Records         |
| VOC           | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | Anti-foulant Coating<br>3.33 lbs VOC/gal*       | 40 CFR 63.788                   | P/M                          | Records         |
| VOC           | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | Pretreatment Wash Primer<br>6.50 lbs VOC/gal*   | 40 CFR 63.788                   | P/M                          | Records         |
| VOC           | 40 CFR 63.783a, Table 2 Subpart II  | Y      |                       | Special Marking Coating<br>4.08 lbs VOC/gal*    | 40 CFR 63.788                   | P/M                          | Records         |
| VOC           | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | Military Exterior Coating<br>2.83 lbs VOC/gal*  | 40 CFR 63.788                   | P/M                          | Records         |
| VOC           | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | Nonskid Coating<br>2.83 lbs VOC/gal*            | 40 CFR 63.788                   | P/M                          | Records         |
| VOC           | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | Specialty Interior Coating<br>2.83 lbs VOC/gal* | 40 CFR 63.788                   | P/M                          | Records         |

\* Excluding water and exempt solvents

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - B**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-2 Sandblasting operation**

| Type of Limit           | Citation of Limit                           | FE Y/N            | Future Effective Date | Limit  | Monitoring Requirement Citation                | Monitoring Frequency (P/C/N) | Monitoring Type                          |
|-------------------------|---|-------------------|-----------------------|--|--|------------------------------|--|
| <a href="#">Opacity</a> | <a href="#">BAAQMD 6-1-301</a>              | <a href="#">N</a> |                       | <a href="#">Ringelmann #1 Limitation for &lt; 3 minutes/hour</a> | <a href="#">BAAQMD Condition #3420, Part 1</a> | <a href="#">P/E</a>          | <a href="#">Visible Emissions Checks</a> |
| Opacity                 | <del><a href="#">BAAQMD SIP 6-301</a></del> | Y                 |                       | Ringelmann #1 Limitation for < 3 minutes/hour                    | BAAQMD Condition #3420, Part 1                 | P/E                          | Visible Emissions Checks                 |

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - C**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-10 Paint Spray Booth**

| Type of Limit | Citation of Limit          | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation       | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|----------------------------|--------|-----------------------|---|---------------------------------------|------------------------------|-----------------|
| VOC           | BAAQMD<br>8-43-301.2       | Y      |                       | General coating: air dried<br>2.8 lbs VOC/gal*  | BAAQMD<br>8-43-501                    | P/D                          | Records         |
|               | BAAQMD<br>8-43-302.1       | Y      |                       | Anti-foulant coating:<br>3.3 lbs VOC/gal*       | BAAQMD<br>8-43-501                    | P/D                          | Records         |
|               | BAAQMD<br>8-43-302.2       | Y      |                       | Heat Resistant coating:<br>3.5 lbs VOC/gal*     | BAAQMD<br>8-43-501                    | P/D                          | Records         |
|               | BAAQMD<br>8-43-302.7       | Y      |                       | Pretreatment Wash Primer:<br>3.5 lbs VOC/gal*   | BAAQMD<br>8-43-501                    | P/D                          | Records         |
|               | BAAQMD<br>8-43-302.9       | Y      |                       | Military Exterior Topcoat:<br>2.8 lbs VOC/gal*  | BAAQMD<br>8-43-501                    | P/D                          | Records         |
|               | BAAQMD<br>8-43-302.10      | Y      |                       | Specialty Interior coating:<br>2.8 lbs VOC/gal* | BAAQMD<br>8-43-501                    | P/D                          | Records         |
|               | BAAQMD<br>8-43-302.12      | Y      |                       | Special Marking coating:<br>4.1 lbs VOC/gal*    | BAAQMD<br>8-43-501                    | P/D                          | Records         |
|               | BAAQMD<br>8-43-321         | Y      |                       | Surface Preparation<br>Solvent<br>0.42 lbs/gal  | BAAQMD<br>8-43-501                    | P/D                          | Records         |
|               | Condition<br>#7887, Part 1 | Y      |                       | Emission Limit 22.5 TPY                         | BAAQMD<br>Condition #<br>7887, Part 7 | P/D                          | Records         |
|               | Condition<br>#7887, Part 2 | Y      |                       | Emission Limit 140 lb/day                       | BAAQMD<br>Condition #<br>7887, Part 7 | P/D                          | Records         |
|               | Condition<br>#7887, Part 3 | Y      |                       | Coating Usage Limit<br>12,600 gal/yr            | BAAQMD<br>Condition #<br>7887, Part 7 | P/D                          | Records         |
|               | Condition<br>#7887, Part 4 | Y      |                       | Coating Usage Limit<br>40 gal/day               | BAAQMD<br>Condition #<br>7887, Part 7 | P/D                          | Records         |
| VOC           | Condition<br>#7887, Part 5 | Y      |                       | Solvent Usage Limit<br>1,385 gal/yr             | BAAQMD<br>Condition #<br>7887, Part 7 | P/D                          | Records         |

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - C**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-10 Paint Spray Booth**

| Type of Limit | Citation of Limit                   | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------------------------|--------|-----------------------|---|---------------------------------|------------------------------|-----------------|
|               | Condition #7887, Part 6             | Y      |                       | Solvent Usage Limit<br>4 gal/day                | BAAQMD Condition # 7887, Part 7 | P/D                          | Records         |
|               | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | General Coating<br>2.83 lbs VOC/gal*            | 40 CFR 63.788                   | P/M                          | Records         |
|               | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | Antifoulant Coating<br>3.33 lbs VOC/gal*        | 40 CFR 63.788                   | P/M                          | Records         |
|               | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | Pretreatment Wash Primer<br>6.50 lbs VOC/gal*   | 40 CFR 63.788                   | P/M                          | Records         |
|               | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | Special Marking Coating<br>4.08 lbs VOC/gal*    | 40 CFR 63.788                   | P/M                          | Records         |
|               | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | Military Exterior Coating<br>2.83 lbs VOC/gal*  | 40 CFR 63.788                   | P/M                          | Records         |
|               | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | Nonskid Coating<br>2.83 lbs VOC/gal*            | 40 CFR 63.788                   | P/M                          | Records         |
|               | 40 CFR 63.783a, Table 2, Subpart II | Y      |                       | Specialty Interior Coating<br>2.83 lbs VOC/gal* | 40 CFR 63.788                   | P/M                          | Records         |

\* Excluding water and exempt solvents

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - D**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-12 Polyester Resin Operation**

| Type of Limit | Citation of Limit        | FE Y/N | Future Effective Date | Limit                             | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|--------------------------|--------|-----------------------|-----------------------------------|---------------------------------|------------------------------|-----------------|
| VOC           | BAAQMD 8-50-301.1        | Y      |                       | Monomer content ≤ 35% by wt.      | BAAQMD 8-43-501                 | P/D                          | Records         |
|               | BAAQMD 8-50-305.4        | Y      |                       | Cleanup material 1.70 lbs VOC/gal | BAAQMD 8-43-501                 | P/D                          | Records         |
|               | Condition #17063, Part 1 | Y      |                       | Resin Usage 200 gal/yr            | BAAQMD Condition #17063, Part 3 | P/D                          | Records         |
|               | Condition #17063, Part 2 | Y      |                       | Solvent Usage 10 gal/yr           | BAAQMD Condition #17063, Part 3 | P/D                          | Records         |

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - E**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-13 [Emergency Standby Auxiliary Harbor Craft Prime Diesel Engine, Dry Dock #2](#)**

| Type of Limit                      | Citation of Limit                                       | FE Y/N            | Future Effective Date | Limit  | Monitoring Requirement Citation                         | Monitoring Frequency (P/C/N) | Monitoring Type                    |
|------------------------------------|---|-------------------|-----------------------|--|---|------------------------------|------------------------------------|
| <a href="#">Opacity</a>            | <a href="#">BAAQMD 6-1-303.1</a>                        | <a href="#">N</a> |                       | <a href="#">Ringelmann #2 Limitation for &lt; 3 minutes/hour</a>   | <a href="#">None</a>                                    | <a href="#">N</a>            | <a href="#">N/A</a>                |
| Opacity                            | <a href="#">BAAQMD SIP 6-303.1</a>                      | Y                 |                       | Ringelmann #2 Limitation for < 3 minutes/hour  | None  | N                            | N/A                                |
| <a href="#">FP</a>                 | <a href="#">BAAQMD 6-1-310</a>                          | <a href="#">N</a> |                       | <a href="#">0.15 gr/dscf</a>   | <a href="#">None</a>                                    | <a href="#">N</a>            | <a href="#">N/A</a>                |
| <a href="#">PMFP</a>               | <a href="#">BAAQMD SIP 6-310</a>                        | Y                 |                       | 0.15 gr/dscf   | None  | N                            | N/A                                |
| SO2                                | <a href="#">BAAQMD 9-1-301</a>                          | Y                 |                       | Ground Level Concentration<br>≤ 0.5 ppm continuously for 3 minutes<br>≤ 0.25 ppm averaged over 60 minutes<br>≤ 0.05 ppm averaged over 24 hours | None  | N                            | N/A                                |
| <a href="#">Sulfur</a>             | <a href="#">BAAQMD 9-1-304; Condition 18943, Part 2</a> | <a href="#">Y</a> |                       | <a href="#">Sulfur content ≤ 0.5% by weight</a>  | <a href="#">Condition 18943, Part 2</a>                 | <a href="#">P/E</a>          | <a href="#">Fuel certification</a> |
| <a href="#">Hours</a>              | <a href="#">BAAQMD 9-8-330; Condition 18943, Part 1</a> | <a href="#">N</a> |                       | <a href="#">Hours of operation for reliability-related activities ≤ 100 hours/yr</a>   | <a href="#">BAAQMD 9-8-530; Condition 18943, Part 5</a> | <a href="#">P/M</a>          | <a href="#">Records</a>            |
| <a href="#">Hours of operation</a> | <a href="#">BAAQMD Condition #24809, part 1</a>         | <a href="#">Y</a> |                       | <a href="#">Hours of operation for any purpose not to exceed 80 hours per year</a>   | <a href="#">BAAQMD Condition #24809, part 3</a>         | <a href="#">P/M</a>          | <a href="#">Records</a>            |

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - F**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-15 Prime Diesel Generator Engine, (Eureka Dry Dock)**

| <u>Type of Limit</u>      | <u>Citation of Limit</u>                | <u>FE Y/N</u> | <u>Future Effective Date</u> | <u>Limit</u>   | <u>Monitoring Requirement Citation</u>  | <u>Monitoring Frequency (P/C/N)</u> | <u>Monitoring Type</u> |
|---------------------------|---|---------------|------------------------------|--|---|-------------------------------------|------------------------|
| <u>Opacity</u>            | <u>BAAQMD 6-1-303.1</u>                 | <u>N</u>      |                              | <u>Ringelmann #2 Limitation for &lt; 3 minutes/hour</u>  | <u>None</u>                             | <u>N</u>                            | <u>N/A</u>             |
| <u>Opacity</u>            | <u>SIP 6-303.1</u>                      | <u>Y</u>      |                              | <u>Ringelmann #2 Limitation for &lt; 3 minutes/hour</u>  | <u>None</u>                             | <u>N</u>                            | <u>N/A</u>             |
| <u>FP</u>                 | <u>BAAQMD 6-1-310</u>                   | <u>N</u>      |                              | <u>0.15 gr/dscf</u>  | <u>None</u>                             | <u>N</u>                            | <u>N/A</u>             |
| <u>FP</u>                 | <u>SIP 6-310</u>                        | <u>Y</u>      |                              | <u>0.15 gr/dscf</u>  | <u>None</u>                             | <u>N</u>                            | <u>N/A</u>             |
| <u>SO2</u>                | <u>BAAQMD 9-1-301</u>                   | <u>Y</u>      |                              | <u>Ground Level Concentration ≤ 0.5 ppm continuously for 3 minutes<br/>≤ 0.25 ppm averaged over 60 minutes<br/>≤ 0.05 ppm averaged over 24 hours</u> | <u>None</u>                             | <u>N</u>                            | <u>N/A</u>             |
| <u>Hours of operation</u> | <u>BAAQMD Condition # 24810, part 1</u> | <u>Y</u>      |                              | <u>Hours of operation for any purpose not to exceed 20 hours per year</u>  | <u>BAAQMD Condition # 24810, part 4</u> | <u>P/M</u>                          | <u>Records</u>         |



## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - G**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-16 Abrasive Blast Room with Pneumatic Recovery System**

| <u>Type of Limit</u>       | <u>Citation of Limit</u>               | <u>FE Y/N</u> | <u>Future Effective Date</u> | <u>Limit</u>   | <u>Monitoring Requirement Citation</u> | <u>Monitoring Frequency (P/C/N)</u> | <u>Monitoring Type</u>          |
|----------------------------|--|---------------|------------------------------|--|--|-------------------------------------|---------------------------------|
| <u>Opacity</u>             | <u>BAAQMD 6-1-301</u>                  | <u>N</u>      |                              | <u>Ringelmann #1 Limitation for &lt; 3 minutes/hour</u>                                      | <u>BAAQMD Condition #3420, Part 1</u>  | <u>P/E</u>                          | <u>Visible Emissions Checks</u> |
| <u>Opacity</u>             | <u>SIP 6-301</u>                       | <u>Y</u>      |                              | <u>Ringelmann #1 Limitation for &lt; 3 minutes/hour</u>                                      | <u>BAAQMD Condition #3420, Part 1</u>  | <u>P/E</u>                          | <u>Visible Emissions Checks</u> |
| <u>FP</u>                  | <u>BAAQMD 6-1-310</u>                  | <u>N</u>      |                              | <u>0.15 gr/dscf</u>  | <u>None</u>                            | <u>N</u>                            |                                 |
| <u>FP</u>                  | <u>SIP 6-310</u>                       | <u>Y</u>      |                              | <u>0.15 gr/dscf</u>  | <u>None</u>                            | <u>N</u>                            |                                 |
| <u>FP</u>                  | <u>BAAQMD 6-1-311</u>                  | <u>N</u>      |                              | <u>3.05 lb/hr</u>  | <u>None</u>                            | <u>N</u>                            |                                 |
| <u>FP</u>                  | <u>SIP 6-311</u>                       | <u>Y</u>      |                              | <u>3.05 lb/hr</u>  | <u>None</u>                            | <u>N</u>                            |                                 |
| <u>FP</u>                  | <u>BAAQMD Condition #23507, part 4</u> | <u>Y</u>      |                              | <u>0.002 gr/dscf</u>   | <u>BAAQMD Condition #23507, part 8</u> | <u>P/W</u>                          | <u>Manometer reading</u>        |
| <u>Hours of operation</u>  | <u>BAAQMD Condition #23507, part 2</u> | <u>Y</u>      |                              | <u>2,900 hours per year for anti-foulant coating, 30 minutes per hour for ABC #3 coating</u> | <u>BAAQMD Condition #23507, part 6</u> | <u>P/D</u>                          | <u>Record-keeping</u>           |
| <u>Pressure Drop</u>       | <u>BAAQMD Condition #23507, part 8</u> | <u>Y</u>      |                              | <u>Pressure drop range: 0.5 to 6.0 inches water column</u>                                   | <u>BAAQMD Condition #23507, part 9</u> | <u>P/W</u>                          | <u>Manometer reading</u>        |
| <u>Abrasive throughput</u> | <u>BAAQMD Condition #23507, part 4</u> |               |                              | <u>750,000 pounds per consecutive twelve month period</u>                                    | <u>BAAQMD Condition #23507, part 6</u> | <u>P/M</u>                          | <u>Record-keeping</u>           |

## VIII. TEST METHODS

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

**Table VIII**  
**Test Methods**

| <b>Applicable Requirement</b> | <b>Description of Requirement</b> | <b>Acceptable Test Methods</b>   |
|-------------------------------|-----------------------------------|--|
| BAAQMD<br>6-1-301             | Ringelmann No. 1 Limitation       | Manual of Procedures, Volume I, Evaluation of Visible Emissions                        |
| BAAQMD<br>8-43-301            | Surface Coating of Marine Vessels | Manual of Procedures, Volume III, Method 21 or 22, Nonmethane Organic Carbon Sampling  |
| BAAQMD<br>8-50-301            | Polyester Resin Operations        | Manual of Procedures, Volume III, Method 23 and 31, Nonmethane Organic Carbon Sampling |

**IX. PERMIT SHIELD**

Not Applicable

**X. REVISION HISTORY**

Final Major Facility Review Permit Issuance  
(Application 16485)

June 1, 2000

Final Issuance of Major Facility Review Permit Renewal  
(Application 11369)

September 13, 2005

[Final Issuance of Major Facility Review Permit Renewal](#) 2011  
(Application 21887)

## **XI. GLOSSARY**

### **ACT**

Federal Clean Air Act

### **APCO**

Air Pollution Control Officer

### **ARB**

Air Resources Board

### **BAAQMD**

Bay Area Air Quality Management District

### **BACT**

Best Available Control Technology

### **BARCT**

Best Available Retrofit Control Technology

### **Basis**

The underlying authority that allows the District to impose requirements.

### **CAA**

The federal Clean Air Act

### **CAAQS**

California Ambient Air Quality Standards

### **CAPCOA**

California Air Pollution Control Officers Association

### **CEM**

A "continuous emission monitor" is a monitoring device that provides a continuous direct measurement of some pollutant (e.g. NO<sub>x</sub> concentration) in an exhaust stream.

### **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

## **XI. Glossary**

### **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). It is used to determine whether or not threshold-based requirements are triggered.

### **District**

The Bay Area Air Quality Management District

### **DWT**

Dead Weight Ton

### **dscf**

Dry Standard Cubic Feet

### **E 6, E 9, E 12**

Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals  $(4.53) \times (10^6) = (4.53) \times (10 \times 10 \times 10 \times 10 \times 10 \times 10) = 4,530,000$ . Scientific notation is used to express large or small numbers without writing out long strings of zeros.

### **EPA**

The federal Environmental Protection Agency

### **Excluded**

Not subject to any District Regulations

### **Federally Enforceable, FE**

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

### **FP**

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

### **FR**

Federal Register

### **GLM**

Ground Level Monitor

### **grain**

1/7000 of a pound

### **HAP**

Hazardous Air Pollutant - Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

## **XI. 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.

### **MSDS**

Material Safety Data Sheet

### **NA**

Not Applicable

### **NAAQS**

National Ambient Air Quality Standards

### **NESHAPs**

National Emission Standards for Hazardous Air Pollutants - Contained in 40 CFR Part 61 or 63.

### **NMHC**

Non-methane Hydrocarbons

### **NMOC**

Non-methane Organic Compounds (Same as NMHC)

### **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 pre-construction 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.)

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

The chemical name for naturally-occurring oxygen gas

## **XI. Glossary**

### **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. This applies to emissions of POC, NOx, PM10, and SO2.

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

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

### **POC**

Precursor Organic Compounds

### **PM**

Total Particulate Matter

### **PM10**

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

### **PSD**

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

### **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.

### **SO2**

Sulfur dioxide

### **THC**

Total Hydrocarbons (NMHC + Methane)

### **therm**

100,000 British Thermal Unit

### **Title V**

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

### **TOC**

Total Organic Compounds (NMOC + Methane, Same as THC)

### **TSP**

Total Suspended Particulate

**XI. Glossary**

**TVP**

True Vapor Pressure

**VOC**

Volatile Organic Compounds

**Units of Measure:**

|                |   |                                     |
|----------------|---|-------------------------------------|
| bhp            | = | brake-horsepower                    |
| btu            | = | British Thermal Unit                |
| C              | = | degrees Celcius                     |
| F              | = | degrees Fahrenheit                  |
| f <sup>3</sup> | = | cubic feet                          |
| g              | = | grams                               |
| gr             | = | grains                              |
| gal            | = | gallon                              |
| gpm            | = | gallons per minute                  |
| hp             | = | horsepower                          |
| hr             | = | hour                                |
| lb             | = | pound                               |
| in             | = | inches                              |
| M              | = | thousand                            |
| max            | = | maximum                             |
| m <sup>2</sup> | = | square meter                        |
| Mg             | = | mega-gram, one thousand grams       |
| µg             | = | micro-gram, one millionth of a gram |
| min            | = | minute                              |
| MM             | = | million                             |
| mm             | = | millimeter                          |
| MMbtu          | = | million btu                         |
| mm Hg          | = | millimeters of Mercury (pressure)   |
| ppmv           | = | parts per million, by volume        |
| ppmw           | = | parts per million, by weight        |
| psia           | = | pounds per square inch, absolute    |
| psig           | = | pounds per square inch, gauge       |
| scfm           | = | standard cubic feet per minute      |
| yr             | = | year                                |

**Symbols:**

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