

# Bay Area Air Quality Management District

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

---

---

**Final**

## MAJOR FACILITY REVIEW PERMIT

**Issued To:**  
**Western Fiberglass, Inc.**  
**Facility #A7974**

**Facility Address:**  
1555 Copperhill Parkway  
Santa Rosa, CA 95403

**Mailing Address:**  
1555 Copperhill Parkway  
Santa Rosa, CA 95403

**Responsible Official:**  
Frank Lillo, President  
(707) 523-2050

**Facility Contact:**  
Courtney van Amstel  
(707) 523-2050

---

---

|                          |                            |                             |
|--------------------------|----------------------------|-----------------------------|
| <b>Type of Facility:</b> | Fiberglass/Resin Operation | BAAQMD Engineering Division |
| <b>Primary SIC:</b>      | 3088                       | Contact:                    |
| <b>Product:</b>          | Fiberglass Products        | Madhav Patil                |
|                          |                            | Air Quality Engineer        |

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

Signed by Jeff McKay for Jack P. Broadbent \_\_\_\_\_  
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer

January 5, 2009 \_\_\_\_\_  
Date

## TABLE OF CONTENTS

|       |   |    |
|-------|---|----|
| I.    | STANDARD CONDITIONS .....                                   | 3  |
| II.   | EQUIPMENT LIST .....  | 7  |
| III.  | GENERALLY APPLICABLE REQUIREMENTS .....                     | 8  |
| IV.   | SOURCE-SPECIFIC APPLICABLE REQUIREMENTS .....               | 10 |
| V.    | SCHEDULE OF COMPLIANCE .....                                | 23 |
| VI.   | PERMIT CONDITIONS.....                                      | 23 |
| VII.  | APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS..... | 26 |
| VIII. | TEST METHODS .....  | 39 |
| IX.   | PERMIT SHIELD .....   | 41 |
| X.    | REVISION HISTORY .....                                      | 41 |
| XI.   | GLOSSARY .....  | 42 |

## 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 7/19/06);
- 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 7/19/06);
- 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 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);
- SIP Regulation 2, Rule 4 - Permits, Emissions Banking  
(as approved by EPA through 1/26/99); and
- BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review  
(as amended by the District Board on 4/16/03).

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

1. This Major Facility Review Permit was issued on January 5, 2009 and expires on December 31, 2013. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than June 30, 2013 and no earlier than December 31, 2012. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after December 31, 2013.** If the permit renewal has not been issued by December 31, 2013 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, & 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 permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

## **I. Standard Conditions**

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and 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, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit, which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (MOP Volume II, Part 3, §4.11)
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, which is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

### **E. Records**

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

### **F. Monitoring Reports**

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. Monitoring reports shall be submitted for the following periods: July 1st through December 31st and January 1st through June 30th, 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 July 1st to June 30th. The certification shall be submitted by July 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

## **I. Standard Conditions**

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 LIST

**Table II A - Permitted Sources**

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

| S-# | Description        | Make or Type | Model            | Capacity |
|-----|--------------------|--------------|------------------|----------|
| S-1 | Filament Winder    | Durawound    | Model 10-C       | N/A      |
| S-2 | Closed Mold Vacuum | RTM Gun      | Model 20210-00   | N/A      |
| S-3 | Chopper Guns (2)   | Glas-Craft   | Model LPA-II-AAC | N/A      |

**Table II B – Abatement Devices**

| A-# | Description        | Source(s)<br>Controlled | Applicable<br>Requirement   | Operating<br>Parameters | Required<br>Efficiency |
|-----|--------------------|-------------------------|---|-------------------------|------------------------|
| A-3 | Fiberglass Filters | S-2, S-3                | BAAQMD<br>Regulations<br>6-1-301,<br>6-1-310, and<br>6-1-311;<br>SIP<br>Regulations 6-<br>301, 6-310 and<br>6-311 | None                    | None                   |

### III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

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

<http://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 rules and the versions of the rules 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**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b> | <b>FE (Y/N)</b> |
|-------------------------------|---|-----------------|
| BAAQMD Regulation 1           | General Provisions and Definitions (7/19/06)          | N               |
| SIP Regulation 1              | General Provisions and Definitions (6/28/99)          | Y               |
| BAAQMD Regulation 2, Rule 1   | General Requirements (7/19/06)                        | N               |
| BAAQMD 2-1-429                | Federal Emissions Statement (6/15/05)                 | N               |
| SIP Regulation 2, Rule 1      | General Requirements (1/26/99)                        | Y               |
| SIP Regulation 2-1-429        | Federal Emissions Statement (4/3/95)                  | Y               |
| 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**

| <b>Applicable Requirement</b>                           | <b>Regulation Title or Description of Requirement</b>  | <b>FE (Y/N)</b> |
|---|--|-----------------|
| BAAQMD Regulation 5                                     | Open Burning (3/6/02)  | N               |
| SIP Regulation 5  | Open Burning (9/4/98)  | Y               |
| BAAQMD Regulation 6, Rule 1                             | Particulate Matter, General Requirements (12/5/07)   | N               |
| SIP Regulation 6  | Particulate Matter and Visible Emissions (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 3                             | Organic Compounds - Architectural Coatings (11/21/01)  | Y               |
| 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 16                            | Organic Compounds - Solvent Cleaning Operations (10/16/2002)   | Y               |
| BAAQMD Regulation 8, Rule 40                            | Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)        | Y               |
| BAAQMD Regulation 8, Rule 47                            | Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (6/15/94)                             | Y               |
| BAAQMD Regulation 8, Rule 49                            | Organic Compounds - Aerosol Paint Products (12/20/95)  | N               |
| SIP Regulation 8, Rule 49                               | Organic Compounds - Aerosol Paint Products (3/22/95)   | Y               |
| BAAQMD Regulation 8, Rule 51                            | Organic Compounds - Adhesive and Sealant Products (7/17/02)  | N               |
| SIP Regulation 8, Rule 51                               | Organic Compounds - Adhesive and Sealant Products (2/26/02)  | Y               |
| BAAQMD Regulation 9, Rule 1                             | Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)  | N               |
| SIP Regulation 9, Rule 1                                | Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)   | Y               |
| BAAQMD Regulation 11, Rule 2                            | Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)                           | Y               |
| BAAQMD Regulation 12, Rule 4                            | Miscellaneous Standards of Performance - Sandblasting (7/11/90)  | N               |
| SIP Regulation 12, Rule 4                               | Miscellaneous Standards of Performance - Sandblasting (9/2/81)   | Y               |
| California Health and Safety Code Section 44300 et seq. | Air Toxics “Hot Spots” Information and Assessment Act of 1987  | N               |
| 40 CFR Part 61, Subpart M                               | National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95) | Y               |

#### IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

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

<http://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 FILAMENT WINDER**

| Applicable Requirement             | Regulation Title or Description of Requirement            | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|---|-----------------------------|-----------------------|
| <b>BAAQMD Regulation 6, Rule 1</b> | <b>Particulate Matter, General Requirements (12/5/07)</b> |                             |                       |
| 6-1-301                            | Ringelmann No. 1 Limitation                               | N                           |                       |
| 6-1-305                            | Visible Particles   | N                           |                       |
| 6-1-310                            | Particulate Weight Limitation                             | N                           |                       |
| 6-1-311                            | General Operations  | N                           |                       |
| 6-1-401                            | Appearance of Emissions                                   | N                           |                       |
| <b>SIP Regulation 6</b>            | <b>Particulate Matter and Visible Emissions (9/4/98)</b>  | Y                           |                       |
| 6-301                              | Ringelmann No. 1 Limitation                               | Y                           |                       |
| 6-305                              | Visible Particles   | Y                           |                       |
| 6-310                              | Particulate Weight Limitation                             | Y                           |                       |

## IV. Source-Specific Applicable Requirements

**Table IV – A**  
**Source-specific Applicable Requirements**  
**S-1 FILAMENT WINDER**

| Applicable Requirement              | Regulation Title or Description of Requirement                   | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------------|--|-----------------------------|-----------------------|
| 6-311                               | General Operations   | Y                           |                       |
| 6-401                               | Appearance of Emissions  | Y                           |                       |
| <b>BAAQMD Regulation 8, Rule 50</b> | <b>Organic Compounds - Polyester Resin Operations (11/06/96)</b> |                             |                       |
| 8-50-110                            | Limited Exemption, Touch-up and Repair                           | Y                           |                       |
| 8-50-220                            | Volatile Organic Compound  | N                           |                       |
| 8-50-301                            | Process Requirements   | N                           |                       |
| 8-50-301.1                          | Monomer ≤ 35 wt%   | Y                           |                       |
| 8-50-301.2                          | Vapor Suppressant & VOC Emission ≤ 60g/m <sup>2</sup>            | N                           |                       |
| 8-50-304                            | Corrosion-resistant Materials                                    | Y                           |                       |
| 8-50-305                            | Surface Preparation and Clean-up Solvent                         | N                           |                       |
| 8-50-305.1                          | Storage in Closed Containers                                     | Y                           |                       |
| 8-50-305.2                          | Self-closing Containers, Disposal                                | Y                           |                       |
| 8-50-305.3                          | Minimizing Organic Emissions from Spray Equipment Clean-up       | Y                           |                       |
| 8-50-305.4                          | Clean-up Solvent, VOC ≤ 200g/liter                               | <del>Y</del> N              |                       |
| 8-50-306                            | Equipment Requirements   | Y                           |                       |
| 8-50-307                            | Gel Coat Requirement   | N                           |                       |
| 8-50-501                            | Records  | N                           |                       |
| 8-50-501.1                          | List of Materials Used   | Y                           |                       |
| 8-50-501.2                          | List VOC Content of Materials Used                               | N                           |                       |
| 8-50-501.3                          | Vapor-suppressed Resin Records                                   | Y                           |                       |
| 8-50-501.4                          | Daily Usage Records  | Y                           |                       |
| 8-50-501.5                          | Record Retention for 24 months                                   | Y                           |                       |
| <b>SIP Regulation 8, Rule 50</b>    | <b>Organic Compounds Polyester Resin Operations (12/23/97)</b>   |                             |                       |
| 8-50-220                            | Volatile Organic Compound  | Y                           |                       |
| 8-50-301                            | Process Requirements   | Y                           |                       |
| 8-50-301.2                          | Vapor Suppressant & VOC Emission ≤ 60g/m <sup>2</sup>            | Y                           |                       |
| 8-50-305                            | Surface Preparation and Clean-up Solvent                         | Y                           |                       |

Renewal date: January 5, 2009

## IV. Source-Specific Applicable Requirements

**Table IV – A**  
**Source-specific Applicable Requirements**  
**S-1 FILAMENT WINDER**

| <b>Applicable Requirement</b>   | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|---------------------------------|--|------------------------------------|------------------------------|
| 8-50-305.4                      | Clean-up Solvent, VOC ≤ 200g/liter (refers to definition in SIP 8-50 220)  | Y                                  |                              |
| 8-50-307                        | Gel Coat Requirement   | Y                                  |                              |
| 8-50-501                        | Records  | Y                                  |                              |
| 8-50-501.2                      | List VOC Content of Materials Used   | Y                                  |                              |
| <b>NESHAP Part 63 Subpart A</b> | <b>National Emission Standards for Hazardous Air Pollutants for Source Categories, General Provisions</b>                    |                                    |                              |
| 63.4                            | Prohibited Activities and Circumvention  | Y                                  |                              |
| 63.6(e)                         | Operation and Maintenance  | Y                                  |                              |
| 63.7                            | Performance Testing Requirements   | Y                                  |                              |
| 63.8                            | Monitoring Requirements  | Y                                  |                              |
| 63.9                            | Notification Requirements  | Y                                  |                              |
| 63.10                           | Recordkeeping and Reporting Requirements   | Y                                  |                              |
| 63.10(a)                        | Applicability of recordkeeping and reporting   | Y                                  |                              |
| 63.10(b)(1)                     | Records Retention  | Y                                  |                              |
| <b>40 CFR 63 Subpart WWWW</b>   | <b>National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production</b>                    | Y                                  |                              |
| 63.5805                         | What standards must I meet to comply with this subpart?  | Y                                  |                              |
| 63.5805(a)                      | Existing facility that is not a small business and that emits less than 100 TPY of HAP – Table 3 & Table 4.                  | Y                                  |                              |
| 63.5810                         | What are my options for meeting the standards for new and existing open molding and centrifugal casting operations?          | Y                                  |                              |
| 63.5810(d)                      | Resins and gel coats HAP content – Table 3   | Y                                  |                              |
| 63.5835                         | What are my general requirements for complying with this subpart?  | Y                                  |                              |
| 63.5835(a)                      | Work practice standards in Table 4, as well as emission limits of Table 3 or 5 (without the use of add-on control equipment) | Y                                  |                              |
| 63.5835(c)                      | Operate and maintain affected source according to provisions of 63.6(e)(1)(i)  | Y                                  |                              |
| 63.5840                         | By what date must I conduct a performance test or other initial compliance demonstration?                                    | Y                                  |                              |

Renewal date: January 5, 2009

## IV. Source-Specific Applicable Requirements

**Table IV – A**  
**Source-specific Applicable Requirements**  
**S-1 FILAMENT WINDER**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>                                 | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| 63.5860                       | How do I demonstrate initial compliance with the standards?                           | Y                                  |                              |
| 63.5860(a)                    | Table 8 and 9   | Y                                  |                              |
| 63.5895                       | How do I monitor and collect data to demonstrate continuous compliance?               | Y                                  |                              |
| 63.5895(b)                    | Monitor and collect data  | Y                                  |                              |
| 63.5895 (c)                   | Collect and keep records of resin and gel coat use, organic HAP content, etc.         | Y                                  |                              |
| 63.5895(d)                    | Initial demonstration of organic HAP emission limit or content limit                  | Y                                  |                              |
| 63.5900                       | How do I demonstrate continuous compliance with the standards?                        | Y                                  |                              |
| 63.5900(a)                    | Demonstrating compliance  | Y                                  |                              |
| 63.5900(a)(2)                 | Compliance with emission limits using point value system                              | Y                                  |                              |
| 63.5900(a)(3)                 | Compliance with content limits using average value method or individual value method. | Y                                  |                              |
| 63.5900(a)(4)                 | Compliance with work practice requirements – Table 4                                  | Y                                  |                              |
| 63.5900(b)                    | Reporting deviations from standards   | Y                                  |                              |
| 63.5905                       | What notifications must I submit and when?  | Y                                  |                              |
| 63.5910                       | What reports must I submit and when?  | Y                                  |                              |
| 63.5915(a), (c),(d)           | What records must I keep?   | Y                                  |                              |
| 63.5920                       | In what form and how long must I keep my records?                                     | Y                                  |                              |
| 63.5925                       | What parts of the General Provisions apply to me?                                     | Y                                  |                              |
| Table 3, Part 1b              | Open molding - corrosion resistant and/or high strength, filament application         | Y                                  |                              |
| Table 3, Part 2b              | Open molding - non-corrosion resistant and/or high strength, filament application     | Y                                  |                              |
| Table 3, Part 4b              | Open molding - low flame spread/low-smoke products, filament application              | Y                                  |                              |
| Table 3, Part 5b              | Open molding – shrinkage controlled resin, filament application                       | Y                                  |                              |
| Table 3, Part 6a              | Tooling gel coating   | Y                                  |                              |

Renewal date: January 5, 2009

#### IV. Source-Specific Applicable Requirements

**Table IV – A**  
**Source-specific Applicable Requirements**  
**S-1 FILAMENT WINDER**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>            | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| Table 3, Part 6b              | White/off-white pigmented gel coating                            | Y                                  |                              |
| Table 3, Part 6c              | All other pigmented gel coating                                  | Y                                  |                              |
| Table 3, Part 6d              | Corrosion resistant and/or high strength gel coating             | Y                                  |                              |
| Table 3, Part 6e              | Fire retardant gel coat  | Y                                  |                              |
| Table 3, Part 6f              | Clear production gel coat  | Y                                  |                              |
| <b>BAAQMD Condition #9303</b> |  |                                    |                              |
| Part 1a                       | Acetone Usage (basis: cumulative increase)                       | N                                  |                              |
| Part 1b                       | Polyester Resin/Gelcoat Usage (basis: cumulative increase)       | Y                                  |                              |
| Part 2a                       | POC Emission Limit for S-1 (basis: BACT, cumulative increase)    | Y                                  |                              |
| Part 2b                       | NPOC Emission Limit for S-1 (basis: BACT, cumulative increase)   | N                                  |                              |
| Part 3                        | Record Keeping (basis: cumulative increase, Regulation 8-50-501) | Y                                  |                              |
| Part 4                        | Compliance with Regulation 8-50 (basis: BACT; Regulation 8-50)   | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – B**  
**Source-specific Applicable Requirements**  
**S-2 CLOSED MOLD VACUUM**

| <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 6, Rule 1</b>  | <b>Particulate Matter, General Requirements (12/5/07)</b>        |                                    |                              |
| 6-1-301                             | Ringelmann No. 1 Limitation                                      | N                                  |                              |
| 6-1-305                             | Visible Particles  | N                                  |                              |
| 6-1-310                             | Particulate Weight Limitation                                    | N                                  |                              |
| 6-1-311                             | General Operations   | N                                  |                              |
| 6-1-401                             | Appearance of Emissions  | N                                  |                              |
| <b>SIP Regulation 6</b>             | <b>Particulate Matter and Visible Emissions (9/4/98)</b>         |                                    |                              |
| 6-301                               | Ringelmann No. 1 Limitation                                      | Y                                  |                              |
| 6-305                               | Visible Particles  | Y                                  |                              |
| 6-310                               | Particulate Weight Limitation                                    | Y                                  |                              |
| 6-311                               | General Operations   | Y                                  |                              |
| 6-401                               | Appearance of Emissions  | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 50</b> | <b>Organic Compounds – Polyester Resin Operations (11/06/96)</b> |                                    |                              |
| 8-50-110                            | Limited Exemption, Touch-up and Repair                           | Y                                  |                              |
| 8-50-220                            | Volatile Organic Compounds                                       | N                                  |                              |
| 8-50-301                            | Process Requirements   | N                                  |                              |
| 8-50-301.3                          | Closed Mold System   | Y                                  |                              |
| 8-50-304                            | Corrosion-resistant Materials                                    | Y                                  |                              |
| 8-50-305                            | Surface Preparation and Clean-up Solvent                         | N                                  |                              |
| 8-50-305.1                          | Storage in Closed Containers                                     | Y                                  |                              |
| 8-50-305.2                          | Self-closing Containers, Disposal                                | Y                                  |                              |
| 8-50-305.3                          | Minimizing Organic Emissions from Spray Equipment Clean-up       | Y                                  |                              |
| 8-50-305.4                          | Clean-up Solvent, VOC ≤ 200g/liter                               | N                                  |                              |
| 8-50-307                            | Gel Coat Requirement   | N                                  |                              |
| 8-50-501                            | Records  | N                                  |                              |
| 8-50-501.1                          | List of Materials Used   | Y                                  |                              |

Renewal date: January 5, 2009

## IV. Source-Specific Applicable Requirements

**Table IV – B**  
**Source-specific Applicable Requirements**  
**S-2 CLOSED MOLD VACUUM**

| <b>Applicable Requirement</b>    | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|----------------------------------|---|------------------------------------|------------------------------|
| 8-50-501.2                       | List VOC Content of Materials Used  | N                                  |                              |
| 8-50-501.3                       | Vapor-suppressed Resin Records  | Y                                  |                              |
| 8-50-501.4                       | Daily Usage Records   | Y                                  |                              |
| 8-50-501.5                       | Record Retention for 24 months  | Y                                  |                              |
| <b>SIP Regulation 8, Rule 50</b> | <b>Organic Compounds – Polyester Resin Operations (12/23/97)</b>  |                                    |                              |
| 8-50-220                         | Volatile Organic Compounds  | Y                                  |                              |
| 8-50-301                         | Process Requirements  | Y                                  |                              |
| 8-50-301.2                       | Vapor Suppressant & VOC Emission $\leq 60\text{g/m}^2$  | Y                                  |                              |
| 8-50-305                         | Surface Preparation and Clean-up Solvent  | Y                                  |                              |
| 8-50-305.4                       | Clean-up Solvent, VOC $\leq 200\text{g/liter}$ (refers to definition in SIP 8-50 220)                       | Y                                  |                              |
| 8-50-307                         | Gel Coat Requirement  | Y                                  |                              |
| 8-50-501                         | Records   | Y                                  |                              |
| 8-50-501.2                       | List VOC Content of Materials Used  | Y                                  |                              |
| <b>NESHAP Part 63 Subpart A</b>  | <b>National Emission Standards for Hazardous Air Pollutants for Source Categories, General Provisions</b>   |                                    |                              |
| 63.4                             | Prohibited Activities and Circumvention   | Y                                  |                              |
| 63.6(e)                          | Operation and Maintenance   | Y                                  |                              |
| 63.7                             | Performance Testing Requirements  | Y                                  |                              |
| 63.8                             | Monitoring Requirements   | Y                                  |                              |
| 63.9                             | Notification Requirements   | Y                                  |                              |
| 63.10                            | Recordkeeping and Reporting Requirements  | Y                                  |                              |
| 63.10(a)                         | Applicability of recordkeeping and reporting  | Y                                  |                              |
| 63.10(b)(1)                      | Records Retention   | Y                                  |                              |
| <b>40 CFR 63 Subpart WWWW</b>    | <b>National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production</b>   | Y                                  |                              |
| 63.5805                          | What standards must I meet to comply with this subpart?   | Y                                  |                              |
| 63.5805(a)                       | Existing facility that is not a small business and that emits less than 100 TPY of HAP – Table 3 & Table 4. | Y                                  |                              |

Renewal date: January 5, 2009



## IV. Source-Specific Applicable Requirements

**Table IV – B**  
**Source-specific Applicable Requirements**  
**S-2 CLOSED MOLD VACUUM**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>  | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| 63.5810                       | What are my options for meeting the standards for new and existing open molding and centrifugal casting operations?          | Y                                  |                              |
| 63.5810(d)                    | Resins and gel coats HAP content – Table 3   | Y                                  |                              |
| 63.5835                       | What are my general requirements for complying with this subpart?  | Y                                  |                              |
| 63.5835(a)                    | Work practice standards in Table 4, as well as emission limits of Table 3 or 5 (without the use of add-on control equipment) | Y                                  |                              |
| 63.5835I                      | Operate and maintain affected source according to provisions of 63.6(e)(1)(i)  | Y                                  |                              |
| 63.5840                       | By what date must I conduct a performance test or other initial compliance demonstration?                                    | Y                                  |                              |
| 63.5860                       | How do I demonstrate initial compliance with the standards?  | Y                                  |                              |
| 63.5860(a)                    | Table 8 and 9  | Y                                  |                              |
| 63.5895                       | How do I monitor and collect data to demonstrate continuous compliance?  | Y                                  |                              |
| 63.5895(b)                    | Monitor and collect data   | Y                                  |                              |
| 63.5895 (c)                   | Collect and keep records of resin and gel coat use, organic HAP content, etc.  | Y                                  |                              |
| 63.5895(d)                    | Initial demonstration of organic HAP emission limit or content limit   | Y                                  |                              |
| 63.5900                       | How do I demonstrate continuous compliance with the standards?   | Y                                  |                              |
| 63.5900(a)                    | Demonstrating compliance   | Y                                  |                              |
| 63.5900(a)(2)                 | Compliance with emission limits using point value system   | Y                                  |                              |
| 63.5900(a)(3)                 | Compliance with content limits using average value method or individual value method.  | Y                                  |                              |
| 63.5900(a)(4)                 | Compliance with work practice requirements – Table 4   | Y                                  |                              |
| 63.5900(b)                    | Reporting deviations from standards  | Y                                  |                              |
| 63.5905                       | What notifications must I submit and when?   | Y                                  |                              |
| 63.5910                       | What reports must I submit and when?   | Y                                  |                              |
| 63.5915(a),(c), (d)           | What records must I keep?  | Y                                  |                              |
| 63.5920                       | In what form and how long must I keep my records?  | Y                                  |                              |
| 63.5925                       | What parts of the General Provisions apply to me?  | Y                                  |                              |

Renewal date: January 5, 2009

#### IV. Source-Specific Applicable Requirements

**Table IV – B**  
**Source-specific Applicable Requirements**  
**S-2 CLOSED MOLD VACUUM**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>            | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|--|------------------------------------|------------------------------|
| Table 3, Part 6a              | Tooling gel coating  | Y                                  |                              |
| Table 3, Part 6b              | White/off-white pigmented gel coating                            | Y                                  |                              |
| Table 3, Part 6c              | All other pigmented gel coating                                  | Y                                  |                              |
| Table 3, Part 6d              | Corrosion resistant and/or high strength gel coating             | Y                                  |                              |
| Table 3, Part 6e              | Fire retardant gel coat  | Y                                  |                              |
| Table 3, Part 6f              | Clear production gel coat  | Y                                  |                              |
| <b>BAAQMD Condition #9303</b> |  |                                    |                              |
| Part 5a                       | Acetone Usage (basis: cumulative increase)                       | N                                  |                              |
| Part 5b                       | Polyester Resin/Gelcoat Usage (basis: cumulative increase)       | Y                                  |                              |
| Part 6a                       | POC Emission Limit for S-2 (basis: BACT, cumulative increase)    | Y                                  |                              |
| Part 6b                       | NPOC Emission Limit for S-2 (basis: BACT, cumulative increase)   | N                                  |                              |
| Part 7                        | Record Keeping (basis: cumulative increase, Regulation 8-50-501) | Y                                  |                              |
| Part 8                        | Compliance with Regulation 8-50 (basis: BACT; Regulation 8-50)   | Y                                  |                              |

## IV. Source-Specific Applicable Requirements

**Table IV – C**  
**Source-specific Applicable Requirements**  
**S-3 CHOPPER GUNS (2)**

| <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 6, Rule 1</b>  | <b>Particulate Matter, General Requirements (12/5/07)</b>           |                                    |                              |
| 6-1-301                             | Ringelmann No. 1 Limitation   | N                                  |                              |
| 6-1-305                             | Visible Particles   | N                                  |                              |
| 6-1-310                             | Particulate Weight Limitation                                       | N                                  |                              |
| 6-1-311                             | General Operations  | N                                  |                              |
| 6-1-401                             | Appearance of Emissions   | N                                  |                              |
| <b>SIP Regulation 6</b>             | <b>Particulate Matter and Visible Emissions (9/4/98)</b>            |                                    |                              |
| 6-301                               | Ringelmann No. 1 Limitation   | Y                                  |                              |
| 6-305                               | Visible Particles   | Y                                  |                              |
| 6-310                               | Particulate Weight Limitation                                       | Y                                  |                              |
| 6-311                               | General Operations  | Y                                  |                              |
| 6-401                               | Appearance of Emissions   | Y                                  |                              |
| <b>BAAQMD Regulation 8, Rule 50</b> | <b>Organic Compounds--s - Polyester Resin Operations (11/06/96)</b> |                                    |                              |
| 8-50-110                            | Limited Exemption, Touch-up and Repair                              | Y                                  |                              |
| 8-50-220                            | Volatile Organic Compounds  | N                                  |                              |
| 8-50-301                            | Process Requirements  | N                                  |                              |
| 8-50-301.1                          | Monomer $\leq 35$ wt%   | Y                                  |                              |
| 8-50-301.2                          | Vapor Suppressant & VOC Emission $\leq 60\text{g/m}^2$              | N                                  |                              |
| 8-50-302                            | Spraying Operations   | Y                                  |                              |
| 8-50-302.1                          | Airless Spray   | Y                                  |                              |
| 8-50-302.2                          | Air-Assisted Airless Spray  | Y                                  |                              |
| 8-50-302.3                          | Electrostatic Spray   | Y                                  |                              |
| 8-50-302.4                          | HVLP  | Y                                  |                              |
| 8-50-304                            | Corrosion-resistant Materials                                       | Y                                  |                              |
| 8-50-305                            | Surface Preparation and Clean-up Solvent                            | N                                  |                              |
| 8-50-305.1                          | Storage in Closed Containers  | Y                                  |                              |

Renewal date: January 5, 2009

## IV. Source-Specific Applicable Requirements

**Table IV – C**  
**Source-specific Applicable Requirements**  
**S-3 CHOPPER GUNS (2)**

| <b>Applicable Requirement</b>    | <b>Regulation Title or Description of Requirement</b>   | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|----------------------------------|---|------------------------------------|------------------------------|
| 8-50-305.2                       | Self-closing Containers, Disposal   | Y                                  |                              |
| 8-50-305.3                       | Minimizing Organic Emissions from Spray Equipment Clean-up  | Y                                  |                              |
| 8-50-305.4                       | Clean-up Solvent, VOC ≤ 200g/liter  | N                                  |                              |
| 8-50-307                         | Gel Coat Requirement  | N                                  |                              |
| 8-50-501                         | Records   | N                                  |                              |
| 8-50-501.1                       | List of Materials Used  | Y                                  |                              |
| 8-50-501.2                       | List VOC Content of Materials Used  | N                                  |                              |
| 8-50-501.3                       | Vapor-suppressed Resin Records  | Y                                  |                              |
| 8-50-501.4                       | Daily Usage Records   | Y                                  |                              |
| 8-50-501.5                       | Record Retention for 24 months  | Y                                  |                              |
| <b>SIP Regulation 8, Rule 50</b> | <b>Organic Compounds - Polyester Resin Operations (12/23/97)</b>  |                                    |                              |
| 8-50-220                         | Volatile Organic Compound   | Y                                  |                              |
| 8-50-301                         | Process Requirements  | Y                                  |                              |
| 8-50-301.2                       | Vapor Suppressant & VOC Emission ≤ 60g/m2   | Y                                  |                              |
| 8-50-305                         | Surface Preparation and Clean-up Solvent  | Y                                  |                              |
| 8-50-305.4                       | Clean-up Solvent, VOC ≤ 200g/liter (refers to definition in SIP 8-50 220)                                 | Y                                  |                              |
| 8-50-307                         | Gel Coat Requirement  | Y                                  |                              |
| 8-50-501                         | Records   | Y                                  |                              |
| 8-50-501.2                       | List VOC Content of Materials Used  | Y                                  |                              |
| <b>NESHAP Part 63 Subpart A</b>  | <b>National Emission Standards for Hazardous Air Pollutants for Source Categories, General Provisions</b> |                                    |                              |
| 63.4                             | Prohibited Activities and Circumvention   | Y                                  |                              |
| 63.6(e)                          | Operation and Maintenance   | Y                                  |                              |
| 63.7                             | Performance Testing Requirements  | Y                                  |                              |
| 63.8                             | Monitoring Requirements   | Y                                  |                              |
| 63.9                             | Notification Requirements   | Y                                  |                              |
| 63.10                            | Recordkeeping and Reporting Requirements  | Y                                  |                              |
| 63.10(a)                         | Applicability of recordkeeping and reporting  | Y                                  |                              |

Renewal date: January 5, 2009

## IV. Source-Specific Applicable Requirements

**Table IV – C**  
**Source-specific Applicable Requirements**  
**S-3 CHOPPER GUNS (2)**

| <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(b)(1)                   | Records Retention  | Y                                  |                              |
| <b>40 CFR 63 Subpart WWWW</b> | National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production                           | Y                                  |                              |
| 63.5805                       | What standards must I meet to comply with this subpart?  | Y                                  |                              |
| 63.5805(a)                    | Existing facility that is not a small business and that emits less than 100 TPY of HAP – Table 3 & Table 4.                  | Y                                  |                              |
| 63.5810                       | What are my options for meeting the standards for new and existing open molding and centrifugal casting operations?          | Y                                  |                              |
| 63.5810(d)                    | Resins and gel coats HAP content – Table 3   | Y                                  |                              |
| 63.5835                       | What are my general requirements for complying with this subpart?  | Y                                  |                              |
| 63.5835(a)                    | Work practice standards in Table 4, as well as emission limits of Table 3 or 5 (without the use of add-on control equipment) | Y                                  |                              |
| 63.5835(c)                    | Operate and maintain affected source according to provisions of 63.6(e)(1)(i)  | Y                                  |                              |
| 63.5840                       | By what date must I conduct a performance test or other initial compliance demonstration?                                    | Y                                  |                              |
| 63.5860                       | How do I demonstrate initial compliance with the standards?  | Y                                  |                              |
| 63.5860(a)                    | Table 8 and 9  | Y                                  |                              |
| 63.5895                       | How do I monitor and collect data to demonstrate continuous compliance?  | Y                                  |                              |
| 63.5895(b)                    | Monitor and collect data   | Y                                  |                              |
| 63.5895 (c)                   | Collect and keep records of resin and gel coat use, organic HAP content, etc.  | Y                                  |                              |
| 63.5895(d)                    | Initial demonstration of organic HAP emission limit or content limit   | Y                                  |                              |
| 63.5900                       | How do I demonstrate continuous compliance with the standards?   | Y                                  |                              |
| 63.5900(a)                    | Demonstrating compliance   | Y                                  |                              |
| 63.5900(a)(2)                 | Compliance with emission limits using point value system   | Y                                  |                              |
| 63.5900(a)(3)                 | Compliance with content limits using average value method or individual value method.  | Y                                  |                              |
| 63.5900(a)(4)                 | Compliance with work practice requirements – Table 4   | Y                                  |                              |

Renewal date: January 5, 2009

## IV. Source-Specific Applicable Requirements

**Table IV – C**  
**Source-specific Applicable Requirements**  
**S-3 CHOPPER GUNS (2)**

| <b>Applicable Requirement</b> | <b>Regulation Title or Description of Requirement</b>                     | <b>Federally Enforceable (Y/N)</b> | <b>Future Effective Date</b> |
|-------------------------------|---|------------------------------------|------------------------------|
| 63.5900(b)                    | Reporting deviations from standards                                       | Y                                  |                              |
| 63.5905                       | What notifications must I submit and when?                                | Y                                  |                              |
| 63.5910                       | What reports must I submit and when?                                      | Y                                  |                              |
| 63.5915(a),(c), (d)           | What records must I keep?   | Y                                  |                              |
| 63.5920                       | In what form and how long must I keep my records?                         | Y                                  |                              |
| 63.5925                       | What parts of the General Provisions apply to me?                         | Y                                  |                              |
| Table 3, Part 6a              | Tooling gel coating   | Y                                  |                              |
| Table 3, Part 6b              | White/off-white pigmented gel coating                                     | Y                                  |                              |
| Table 3, Part 6c              | All other pigmented gel coating   | Y                                  |                              |
| Table 3, Part 6d              | Corrosion resistant and/or high strength gel coating                      | Y                                  |                              |
| Table 3, Part 6e              | Fire retardant gel coat   | Y                                  |                              |
| Table 3, Part 6f              | Clear production gel coat   | Y                                  |                              |
| <b>BAAQMD Condition #9303</b> |   |                                    |                              |
| Part 9a                       | Acetone Usage (basis: cumulative increase)                                | N                                  |                              |
| Part 9b                       | Polyester Resin/Gelcoat Usage (basis: cumulative increase)                | Y                                  |                              |
| Part 10a                      | POC Emission Limit for S-3 (basis: BACT, cumulative increase)             | Y                                  |                              |
| Part 10b                      | NPOC Emission Limit for S-3 (basis: BACT, cumulative increase)            | N                                  |                              |
| Part 11                       | Record Keeping (basis: cumulative increase, Regulation 8-50-501)          | Y                                  |                              |
| Part 12                       | Compliance with Regulation 8-50 (basis: BACT; Regulation 8-50)            | Y                                  |                              |
| Part 13                       | All Spray Operations Must Be In Building (basis: Regulation 6-301, 6-305) | Y                                  |                              |
| Part 14                       | No more than 1 Chopper Gun At a Time (basis: Cumulative Increase)         | Y                                  |                              |

Renewal date: January 5, 2009

## 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 # 9303

For S-1, Filament Winder:

1. The owner/operator of S-1 shall not exceed the following usage limits in any consecutive 12-month period:

|                              |                |
|------------------------------|----------------|
| *a. Acetone                  | 600 Gallons    |
| b. Polyester Resin/Gelcoat   | 20,000 Gallons |
| (basis: Cumulative Increase) |                |
2. The owner/operator may use solvents and materials other than the materials specified in Condition 1, and/or usages in excess of those specified in part 1, provided that the owner/operator can demonstrate that the following are satisfied:
  - a. Total POC emissions from S-1 do not exceed 7,559 pounds in any consecutive twelve month period.
  - \*b. Total NPOC emissions from S-1 do not exceed 3,960 pounds in any consecutive twelve month period.
  - c. The use of these materials does not increase toxics emissions above any risk screening trigger level, except for styrene, which shall not exceed the monomer content limit of Regulation 8-50-304.
  - d. No ozone-depleting compounds as listed in Appendix A and B to Subpart A of 40 CFR 82 shall be used at this source.  
(basis: BACT; Cumulative Increase)
3. The owner/operator shall keep monthly records of the following in a District-approved log for at least five years and shall make such records available to the District upon request:
  - a. Maintain a list of resin, catalyst, and cleaning material used.
  - b. Maintain a list of the weight of VOC (in percent) in the polyester resin materials and the grams of VOC per liter for the cleaning materials.
  - c. Maintain records on a daily basis that provides the following information as applicable:
    1. the amount of each of the polyester resin materials and cleaning materials used.
    2. the volume of resin and cleaning materials used for touch-up and repair.  
Such records shall be retained and available for inspection by the APCO for the previous five-year period. (basis: Cumulative Increase; Regulation 8-50-501)

## VI. Permit Conditions

4. The owner/operator of S-1 and S-2 shall comply with the applicable requirements of Regulation 8, Rule 50. (basis: BACT; Regulation 8, Rule 50)

For S-2, Closed Mold Vacuum:

5. The owner/operator of S-2 shall not exceed the following usage limits in any consecutive 12-month period:
  - \*a. Acetone 600 Gallons
  - b. Polyester Resin/Gelcoat 30,000 Gallons  
(basis: Cumulative Increase)
6. The owner/operator may use solvents and materials other than the materials specified in Part 5, and/or uses in excess of those specified in part 5, provided that the owner/operator can demonstrate that the following are satisfied:
  - a. Total POC emissions from S-2 do not exceed 3,453 pounds in any consecutive twelve-month period.
  - \*b. Total NPOC emissions from S-2 do not exceed 3,960 pounds in any consecutive twelve-month period.
  - c. The use of these materials does not increase toxics emissions above any risk screening trigger level, except for styrene, which shall not exceed the monomer content limit of Regulation 8-50-304.
  - d. No ozone-depleting compounds as listed in Appendix A and B to Subpart A of 40 CFR 82 shall be used at this source.  
(basis: BACT; Cumulative Increase)
7. The owner/operator shall keep monthly records of the following in a District-approved log for at least five years and shall make such records available to the District upon request:
  - a. Maintain a list of resin, catalyst, and cleaning material used.
  - b. Maintain a list of the weight of VOC (in percent) in the polyester resin materials and the grams of VOC per liter for the cleaning materials.
  - c. Maintain records on a daily basis that provides the following information as applicable:
    1. the amount of each of the polyester resin materials and cleaning materials used.
    2. the volume of resin and cleaning materials used for touch-up and repair.Such records shall be retained and available for inspection by the APCO for the previous 5-year period. (basis: Cumulative Increase; Regulation 8-50-501)
8. The owner/operator shall comply with the applicable requirements of Regulation 8-50. (basis: Regulation 8-50)

For S-3, Chopper Guns (2):



## VI. Permit Conditions

9. The owner/operator of S-3 shall not exceed the following usage limits in any consecutive 12-month period:
  - \*a. Acetone 600 Gallons
  - b. Polyester Resin/Gelcoat 30,000 Gallons  
(basis: Cumulative Increase)
10. The owner/operator may use solvents and materials other than the materials specified in part9, and/or uses in excess of those specified in part9, provided that the owner/operator can demonstrate that the following are satisfied:
  - a. Total POC emissions from S-3 do not exceed 15,814 pounds in any consecutive twelve-month period.
  - \*b. Total NPOC emissions from S-3 do not exceed 3,960 pounds in any consecutive twelve-month period.
  - c. The use of these materials does not increase toxics emissions above any risk screening trigger level, except for styrene, which shall not exceed the monomer content limit of Regulation 8-50-304.
  - d. No ozone-depleting compounds as listed in Appendix A and B to Subpart A of 40 CFR 82 shall be used at this source.  
(basis: BACT; Cumulative Increase)
11. The owner/operator shall keep monthly records of the following in a District-approved log for at least five years and shall make such records available to the District upon request:
  - a. Maintain a list of resin, catalyst, and cleaning material used.
  - b. Maintain a list of the weight of VOC (in percent) in the polyester resin materials and the grams of VOC per liter for the cleaning materials.
  - c. Maintain records on a daily basis that provides the following information as applicable:
    1. the amount of each of the polyester resin materials and cleaning materials used.
    2. the volume of resin and cleaning materials used for touch-up and repair.Such records shall be retained and available for inspection by the APCO for the previous 5-year period. (basis: Cumulative Increase; Regulation 8-50-501)
12. The owner/operator of S-3 shall comply with the applicable requirements of Regulation 8-50. (basis: BACT; Regulation 8, Rule 50)
13. The owner/operator shall ensure that the spray area and all associated spray operations shall be contained within the building. (basis: Regulation 6-301, 6-305)
14. In no case shall the owner/operator operate more than one chopper gun operate at any time. (basis: Cumulative Increase)

## VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown 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 FILAMENT WINDER**

| Type of Limit | Citation of Limit    | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation                 | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|----------------------|--------|-----------------------|---|---|------------------------------|-----------------|
| Opacity       | BAAQMD<br>6-1-301    | N      |                       | Ringelmann No. 1  |   | N                            |                 |
| Opacity       | SIP<br>6-301         | Y      |                       | Ringelmann No. 1  |   | N                            |                 |
| FP            | BAAQMD<br>6-1-310    | N      |                       | 0.15 grains/dscf  |   | N                            |                 |
| FP            | SIP<br>6-310         | Y      |                       | 0.15 grains/dscf  |   | N                            |                 |
| FP            | BAAQMD<br>6-1-311    | N      |                       | $4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr |   | N                            |                 |
| FP            | SIP<br>6-311         | Y      |                       | $4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr |   | N                            |                 |
| VOC           | BAAQMD<br>8-50-301.1 | Y      |                       | monomer content $\leq$ 35%<br>by weight                 | BAAQMD<br>8-50-501.2;<br>Cond #9303,<br>part 3b | P/E                          | records         |

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII-A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-1 FILAMENT WINDER**

| 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>8-50-301.2 | N      |                       | VOC weight loss/emissions $\leq 60$ g/m <sup>2</sup> surface area | BAAQMD<br>8-50-501.3;<br>Cond #9303,<br>part 3b | P/E                          | records         |
| VOC           | SIP<br>8-50-301.2    | Y      |                       | VOC weight loss/emissions $\leq 60$ g/m <sup>2</sup> surface area | BAAQMD<br>8-50-501.3;<br>Cond #9303,<br>part 3b | P/E                          | records         |
| VOC           | BAAQMD<br>8-50-304   | Y      |                       | monomer content $\leq 50\%$ by weight                             | BAAQMD<br>8-50-501.2;<br>Cond #9303,<br>part 3b | P/E                          | records         |
| VOC           | BAAQMD<br>8-50-305.4 | N      |                       | VOC content of cleaning material $\leq 200$ g/liter               | BAAQMD<br>8-50-501.2;<br>Cond #9303,<br>part 3b | P/E                          | records         |
| VOC           | SIP<br>8-50-305.4    | Y      |                       | VOC content of cleaning material $\leq 200$ g/liter               | SIP<br>8-50-501.2;<br>Cond #9303,<br>part 3b    | P/E                          | records         |
| VOC           | BAAQMD<br>8-50-307   | N      |                       | VOC content of gel coat, as applied $\leq 250$ g/liter            | BAAQMD<br>8-50-501.2;<br>Cond #9303,<br>part 3b | P/E                          | records         |
| VOC           | SIP<br>8-50-307      | Y      |                       | VOC content of gel coat, as applied $\leq 250$ g/liter            | BAAQMD<br>8-50-501.2;<br>Cond #9303,<br>part 3b | P/E                          | records         |

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII-A  
 Applicable Limits and Compliance Monitoring Requirements  
 S-1 FILAMENT WINDER**

| Type of Limit | Citation of Limit                                     | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|---|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) & Table 3, Part 1b  | Y      |                       | filament application $\leq$ 171 lb/ton         | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) & Table 3, Part 2b  | Y      |                       | filament application $\leq$ 188 lb/ton         | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) & Table 3, Part 4b  | Y      |                       | filament application $\leq$ 270 lb/ton         | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) & Table 3, Part 5b  | Y      |                       | filament application $\leq$ 215 lb/ton         | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 5a | Y      |                       | Mechanical resin application $\leq$ 354 lb/ton | 63.5810                         | P/M                          | Records         |

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII-A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-1 FILAMENT WINDER**

| Type of Limit | Citation of Limit                                     | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|---|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6a | Y      |                       | Tooling gel coat $\leq$ 437 lb/ton                         | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6b | Y      |                       | White/Off-white pigmented gel coat $\leq$ 267 lb/ton       | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6c | Y      |                       | All other pigmented gel coat $\leq$ 377 lb/ton             | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6d | Y      |                       | Corrosion resistant and/or high strength $\leq$ 605 lb/ton | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6e | Y      |                       | Fire retardant gel coat $\leq$ 854 lb/ton                  | 63.5810                         | P/M                          | Records         |

Renewal date: January 5, 2009

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII-A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-1 FILAMENT WINDER**

| Type of Limit | Citation of Limit                                    | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation                     | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|--|--------|-----------------------|---|---|------------------------------|-----------------|
| VOC           | 40 CFR 63 Subpart WWW 63.5805(a) and Table 3 Part 6f | Y      |                       | Clear production gel coat $\leq$ 522 lb/ton           | 63.5810   | P/M                          | Records         |
| Through-put   | BAAQMD Condition #9303, Part 1b                      | Y      |                       | 20,000 gallons resin, as applied, per 12-month period | BAAQMD 8-50-501.4; Condition #9303, parts 3a and 3c | P/D                          | records         |
| POC           | BAAQMD Condition # 9303, Part 2a                     |        |                       | 7559 lbs per 12-month period                          | BAAQMD 8-50-501.4; Condition #9303, parts 3a and 3c | P/D                          | records         |
| NPOC          | BAAQMD Condition #9303, Part 1a                      | N      |                       | 600 gallons per 12-month period                       | BAAQMD 8-50-501.4; Cond #9303, parts 3a and 3c      | P/D                          | records         |
| NPOC          | BAAQMD Condition #9303, Part 2b                      | N      |                       | 3,960 lbs per 12-month period                         | BAAQMD 8-50-501.4; Cond #9303, parts 3a and 3c      | P/D                          | records         |

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII-B**  
**S-2 CLOSED MOLD VACUUM**

| Type of Limit | Citation of Limit    | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation                 | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|----------------------|--------|-----------------------|---|---|------------------------------|-----------------|
| Opacity       | BAAQMD<br>6-1-301    | N      |                       | Ringelmann No. 1  |   | N                            |                 |
| Opacity       | SIP<br>6-301         | Y      |                       | Ringelmann No. 1  |   | N                            |                 |
| FP            | BAAQMD<br>6-1-310    | N      |                       | 0.15 grains/dscf  |   | N                            |                 |
| FP            | SIP<br>6-310         | Y      |                       | 0.15 grains/dscf  |   | N                            |                 |
| FP            | BAAQMD<br>6-1-311    | N      |                       | $4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr |   | N                            |                 |
| FP            | SIP<br>6-311         | Y      |                       | $4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr |   | N                            |                 |
| VOC           | BAAQMD<br>8-50-304   | Y      |                       | monomer content $\leq$ 50% by weight                    | BAAQMD<br>8-50-501.2;<br>Cond #9303,<br>part 7b | P/E                          | records         |
| VOC           | BAAQMD<br>8-50-305.4 | N      |                       | VOC content of cleaning material $\leq$ 200 g/liter     | BAAQMD<br>8-50-501.2;<br>Cond #9303,<br>part 7b | P/E                          | records         |
| VOC           | SIP<br>8-50-305.4    | Y      |                       | VOC content of cleaning material $\leq$ 200 g/liter     | SIP<br>8-50-501.2;<br>Cond #9303,<br>part 7b    | P/E                          | records         |
| VOC           | BAAQMD<br>8-50-307   | N      |                       | VOC content of gel coat, as applied $\leq$ 250 g/liter  | BAAQMD<br>8-50-501.2;<br>Cond #9303,<br>part 7b | P/E                          | records         |
| VOC           | SIP<br>8-50-307      | Y      |                       | VOC content of gel coat, as applied $\leq$ 250 g/liter  | BAAQMD<br>8-50-501.2;<br>Cond #9303,<br>part 7b | P/E                          | records         |

Renewal date: January 5, 2009

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII-B**  
**S-2 CLOSED MOLD VACUUM**

| Type of Limit | Citation of Limit                                     | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|---|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6a | Y      |                       | Tooling gel coat $\leq$ 437 lb/ton                         | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6b | Y      |                       | White/Off-white pigmented gel coat $\leq$ 267 lb/ton       | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6c | Y      |                       | All other pigmented gel coat $\leq$ 377 lb/ton             | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6d | Y      |                       | Corrosion resistant and/or high strength $\leq$ 605 lb/ton | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6e | Y      |                       | Fire retardant gel coat $\leq$ 854 lb/ton                  | 63.5810                         | P/M                          | Records         |



## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII-B**  
**S-2 CLOSED MOLD VACUUM**

| Type of Limit | Citation of Limit                                     | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation                | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|---|--------|-----------------------|---|--|------------------------------|-----------------|
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6f | Y      |                       | Clear production gel coat $\leq$ 522 lb/ton           | 63.5810  | P/M                          | Records         |
| Through-put   | BAAQMD Condition #9303, Part 5b                       | Y      |                       | 30,000 gallons resin, as applied, per 12-month period | BAAQMD 8-50-501.4; Cond #9303, parts 7a and 7c | P/D                          | records         |
| POC           | BAAQMD Condition #9303, Part 6a                       | Y      |                       | 3,453 pounds per 12-month period                      | BAAQMD 8-50-501.4; Cond #9303, parts 7a and 7c | P/D                          | Records         |
| NPOC          | BAAQMD Condition #9303, Part 5a                       | N      |                       | 600 gallons per 12-month period                       | BAAQMD 8-50-501.4; Cond #9303, parts 7a and 7c | P/D                          | Records         |
| NPOC          | BAAQMD Condition #9303, Part 6b                       | N      |                       | 3,960 pounds per 12-month period                      | BAAQMD 8-50-501.4; Cond #9303, parts 7a and 7c | P/D                          | Records         |

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII-C**  
**S-3 CHOPPER GUNS (2)**

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit   | Monitoring Requirement Citation         | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|---|---|------------------------------|-----------------|
| Opacity       | BAAQMD 6-1-301    | N      |                       | Ringelmann No. 1  |   | N                            |                 |
| Opacity       | SIP 6-301         | Y      |                       | Ringelmann No. 1  |   | N                            |                 |
| FP            | BAAQMD 6-1-310    | N      |                       | 0.15 grains/dscf  |   | N                            |                 |
| FP            | SIP 6-310         | Y      |                       | 0.15 grains/dscf  |   | N                            |                 |
| FP            | BAAQMD 6-1-311    | N      |                       | $4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr           |   | N                            |                 |
| FP            | SIP 6-311         | Y      |                       | $4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr           |   | N                            |                 |
| VOC           | BAAQMD 8-50-301.1 | Y      |                       | monomer content $\leq$ 35% by weight                              | BAAQMD 8-50-501.2; Cond #9303, part 11b | P/E                          | records         |
| VOC           | BAAQMD 8-50-301.2 | N      |                       | VOC weight loss/emissions $\leq$ 60 g/m <sup>2</sup> surface area | BAAQMD 8-50-501.3; Cond #9303, part 11b | P/E                          | records         |
| VOC           | SIP 8-50-301.2    | Y      |                       | VOC weight loss/emissions $\leq$ 60 g/m <sup>2</sup> surface area | BAAQMD 8-50-501.3; Cond #9303, part 11b | P/E                          | records         |
| VOC           | BAAQMD 8-50-304   | Y      |                       | monomer content $\leq$ 50% by weight                              | BAAQMD 8-50-501.2; Cond #9303, part 11b | P/E                          | records         |

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII-C  
 S-3 CHOPPER GUNS (2)**

| 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>8-50-305.4   | N      |                       | VOC content of cleaning material $\leq$ 200 g/liter | BAAQMD<br>8-50-501.2;<br>Cond #9303,<br>part 11b | P/E                          | records         |
| VOC           | SIP<br>8-50-305.4  | Y      |                       | content of cleaning material $\leq$ 200 g/liter     | SIP<br>8-50-501.2;<br>Cond #9303,<br>part b      | P/E                          | records         |
| VOC           | BAAQMD<br>8-50-307   | N      |                       | content of gel coat, as applied $\leq$ 250 g/liter  | BAAQMD<br>8-50-501.2;<br>Cond #9303,<br>part 11b | P/E                          | records         |
| VOC           | SIP<br>8-50-307  | Y      |                       | content of gel coat, as applied $\leq$ 250 g/liter  | BAAQMD<br>8-50-501.2;<br>Cond #9303,<br>part 11b | P/E                          | records         |
| VOC           | 40 CFR 63<br>Subpart<br>WWWW<br>63.5805(a)<br>and Table<br>3 Part 1a | Y      |                       | Mechanical resin application $\leq$ 112 lb/ton      | 63.5810  | P/M                          | Records         |
| VOC           | 40 CFR 63<br>Subpart<br>WWWW<br>63.5805(a)<br>and Table<br>3 Part 2a | Y      |                       | Mechanical resin application $\leq$ 87 lb/ton       | 63.5810  | P/M                          | Records         |
| VOC           | 40 CFR 63<br>Subpart<br>WWWW<br>63.5805(a)<br>and Table<br>3 Part 3a | Y      |                       | Mechanical resin application $\leq$ 254 lb/ton      | 63.5810  | P/M                          | Records         |

Renewal date: January 5, 2009

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII-C**  
**S-3 CHOPPER GUNS (2)**

| Type of Limit | Citation of Limit                                     | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|---|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 4a | Y      |                       | Mechanical resin application $\leq$ 497 lb/ton       | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 5a | Y      |                       | Mechanical resin application $\leq$ 354 lb/ton       | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6a | Y      |                       | Tooling gel coat $\leq$ 437 lb/ton                   | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6b | Y      |                       | White/Off-white pigmented gel coat $\leq$ 267 lb/ton | 63.5810                         | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6c | Y      |                       | All other pigmented gel coat $\leq$ 377 lb/ton       | 63.5810                         | P/M                          | Records         |

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII-C  
 S-3 CHOPPER GUNS (2)**

| Type of Limit | Citation of Limit                                     | FE Y/N | Future Effective Date | Limit  | Monitoring Requirement Citation                       | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|---|--------|-----------------------|--|---|------------------------------|-----------------|
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6d | Y      |                       | Corrosion resistant and/or high strength $\leq$ 605 lb/ton | 63.5810   | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6e | Y      |                       | Fire retardant gel coat $\leq$ 854 lb/ton                  | 63.5810   | P/M                          | Records         |
| VOC           | 40 CFR 63 Subpart WWWW 63.5805(a) and Table 3 Part 6f | Y      |                       | Clear production gel coat $\leq$ 522 lb/ton                | 63.5810   | P/M                          | Records         |
| Through-put   | BAAQMD Condition #9303 Part 9b                        | Y      |                       | 30,000 gallons resin, as applied, per 12-month period      | BAAQMD 8-50-501.4; Condition #9303, parts 11a and 11c | P/D                          | records         |
| POC           | BAAQMD Condition #9303 Part 10a                       | Y      |                       | 15,814 pounds per 12-month period                          | BAAQMD 8-50-501.4; Condition #9303, parts 11a and 11c | P/D                          | records         |
| NPOC          | BAAQMD Condition #9303 Part 9a                        | N      |                       | 600 gallons Acetone per 12-month period                    | BAAQMD 8-50-501.4; Condition #9303, parts 11a and 11c | P/D                          | records         |

Renewal date: January 5, 2009

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII-C**  
**S-3 CHOPPER GUNS (2)**

| Type of Limit | Citation of Limit               | FE Y/N | Future Effective Date | Limit                            | Monitoring Requirement Citation                       | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|---------------------------------|--------|-----------------------|----------------------------------|---|------------------------------|-----------------|
| NPOC          | BAAQMD Condition #9303 Part 10b | N      |                       | 3,960 pounds per 12-month period | BAAQMD 8-50-501.4; Condition #9303, parts 11a and 11c | P/D                          | records         |

## VIII. TEST METHODS

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

**Table VIII  
 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;<br>U.S. EPA Method 9                             |
| SIP<br>6-301                       | Ringelmann No. 1 Limitation                   | Manual of Procedures, Volume I, Evaluation of Visible Emissions;<br>U.S. EPA Method 9                             |
| BAAQMD<br>6-1-310                  | Particulate Weight Limitation                 | Manual of Procedures, Volume IV, ST-15, Particulates Sampling;<br>U.S. EPA Method 5                               |
| SIP<br>6-310                       | Particulate Weight Limitation                 | Manual of Procedures, Volume IV, ST-15, Particulates Sampling;<br>U.S. EPA Method 5                               |
| BAAQMD<br>6-1-311                  | General Operations                            | Manual of Procedures, Volume IV, ST-15, Particulates Sampling;<br>U.S. EPA Method 5                               |
| SIP<br>6-311                       | General Operations                            | Manual of Procedures, Volume IV, ST-15, Particulates Sampling;<br>U.S. EPA Method 5                               |
| BAAQMD<br>Regulation<br>8-50-301.1 | Process Requirements, Monomer Content         | Manual of Procedures, Volume III, Method 39, Determination of Styrene Monomer Content of Polyester Resin Material |
| BAAQMD<br>Regulation<br>8-50-301.2 | Process Requirements, Vapor Suppressed Resins | Manual of Procedures, Volume III, Method 23, Determination of Volatile Emissions from Polyester Resins            |
| SIP<br>Regulation<br>8-50-301.2    | Process Requirements, Vapor Suppressed Resins | Manual of Procedures, Volume III, Method 23, Determination of Volatile Emissions from Polyester Resins            |
| BAAQMD<br>Regulation<br>8-50-304   | Corrosion-resistant Materials                 | Manual of Procedures, Volume III, Method 23, Determination of Volatile Emissions from Polyester Resins            |

**VIII. Test Methods**

**Table VIII  
 Test Methods**

| <b>Applicable Requirement</b> | <b>Description of Requirement</b>                     | <b>Acceptable Test Methods</b>   |
|-------------------------------|---|--|
| BAAQMD Regulation 8-50-305.4  | Surface Preparation and Clean-up Solvent, VOC Content | Manual of Procedures, Volume III, Method 31, Determination of Volatile Organic Compounds in Paint Strippers, Solvent Cleaners, and Low Solids Coatings                         |
| BAAQMD Regulation 8-50-305.4  | Surface Preparation and Clean-up Solvent, VOC Content | Manual of Procedures, Volume III, Method 41, Determination of Volatile Organic Compounds in Solvent Based Coatings and Related Materials Containing Parachlorobenzotrifluoride |
| BAAQMD Regulation 8-50-305.4  | Surface Preparation and Clean-up Solvent, VOC Content | Manual of Procedures, Volume III, Method 43, Determination of Volatile Methylsiloxanes in Solvent Based Coatings, Inks and Related Materials                                   |
| SIP Regulation 8-50-305.4     | Surface Preparation and Clean-up Solvent, VOC Content | Manual of Procedures, Volume III, Method 31, Determination of Volatile Organic Compounds in Paint Strippers, Solvent Cleaners, and Low Solids Coatings                         |
| BAAQMD Regulation 8-50-307    | Gel Coat Requirement                                  | Manual of Procedures, Volume III, Method 26, Determination of Volatile Weight Loss of Gel Coats  |
| SIP Regulation 8-50-307       | Gel Coat Requirement                                  | Manual of Procedures, Volume III, Method 26, Determination of Volatile Weight Loss of Gel Coats  |
| 40 CFR Part 63, Subpart WWW   | Determining Vapor Suppressant Effectiveness           | Appendix A, Test Method for Determining Vapor Suppressed Effectiveness   |



## IX. PERMIT SHIELD

Not Applicable.

## X. REVISION HISTORY

|   |                   |
|---|-------------------|
| Initial Issuance (Application 15679):   | July 1, 1997      |
| Renewal (Application 3954):   | December 19, 2002 |
| Reopening and minor revision (No application for reopening, Application 8164 for minor revision)                            | July 15, 2004     |
| Addition of requirements of NESHAPS,<br>40 CFR 63, Subpart A, General Provisions<br>Reinforced Plastic Composite Production |                   |
| Addition of requirements of NESHAPS,<br>40 CFR 63, Subpart WWWW,<br>Reinforced Plastic Composite Production                 |                   |
| Deletion of "case-by-case" MACT requirements in<br>40 CFR 63.52 et seq.   |                   |
| Update of Section I, Standard Conditions  |                   |
| Update of Section III, Generally Applicable Requirements  |                   |
| Addition of BAAQMD Regulation 6-311 to Section IV table<br>for Source 1, Filament Winder                                    |                   |
| Addition of revisions to BAAQMD Condition 9303 to allow<br>use of alternative materials without an increase<br>in emissions |                   |
| Renewal (Application 15561):  | January 5, 2009   |
| Administrative Amendments   |                   |
| Change Responsible Official from Michael E. Lewis to Frank Lillo  |                   |
| Change Facility Contact from Frank Lillo to Courtney van Amstel   |                   |
| Change District Contact from Carol Lee to Madhav Patil  |                   |

## **XI. GLOSSARY**

**ACT**

Federal Clean Air Act

**APCO**

Air Pollution Control Officer

**BAAQMD**

Bay Area Air Quality Management District

**BACT**

Best Available Control Technology

**Basis**

The underlying authority which allows the District to impose requirements.

**CAA**

The federal Clean Air Act

**CAAQS**

California Ambient Air Quality Standards

**CEQA**

California Environmental Quality Act

**CFR**

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

**CO**

Carbon Monoxide

**Cumulative Increase**

The sum of permitted emissions from each new or modified source since a specified date 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 1/26/99). Used to determine whether threshold-based requirements are triggered.

**District**

The Bay Area Air Quality Management District

**dscf**

Dry Standard Cubic Feet

## **IX. Glossary**

### **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 (MACT), and Part 72 (Permits Regulation, Acid Rain), 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.

### **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 40 CFR Part 63.

### **Major Facility**

A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants 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 Federal Clean Air Act and implemented by District Regulation 2, Rule 6.

### **MOP**

The District's Manual of Procedures.

### **NAAQS**

National Ambient Air Quality Standards

### **NESHAPS**

National Emission Standards for Hazardous Air Pollutants. Contained in 40 CFR Parts 61 and 63

### **NMHC**

Non-methane Hydrocarbons (Same as NMOC)

### **NMOC**

Non-methane Organic Compounds (Same as NMHC)

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

## **IX. Glossary**

Oxides of nitrogen.

### **NPOC**

Non-precursor organic compounds

### **NSPS**

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Federal Clean Air Act, and implemented by 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 pollutants. Mandated by Title I of the Federal Clean Air Act and implemented by 40 CFR Parts 51 and 52 and District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

### **Offset Requirement**

A New Source Review requirement to provide federally enforceable emission offsets for the emissions from a new or modified source. Applies to emissions of POC, NO<sub>x</sub>, PM<sub>10</sub>, and SO<sub>2</sub>.

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

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

### **POC**

Precursor Organic Compounds

### **PM**

Particulate Matter

### **PM<sub>10</sub>**

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 those 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.

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

Sulfur dioxide

## IX. Glossary

### **THC**

Total Hydrocarbons (NMHC + Methane)

### **Title V**

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

### **TOC**

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

### **TPH**

Total Petroleum Hydrocarbons

### **TRMP**

Toxic Risk Management Plan

### **TSP**

Total Suspended Particulate

### **VOC**

Volatile Organic Compounds

### **Units of Measure:**

|                |   |                                  |
|----------------|---|----------------------------------|
| bhp            | = | brake-horsepower                 |
| btu            | = | British Thermal Unit             |
| cfm            | = | cubic feet per minute            |
| g              | = | grams                            |
| gal            | = | gallon                           |
| gpm            | = | gallons per minute               |
| hp             | = | horsepower                       |
| hr             | = | hour                             |
| lb             | = | pound                            |
| in             | = | inches                           |
| max            | = | maximum                          |
| m <sup>2</sup> | = | square meter                     |
| min            | = | minute                           |
| mm             | = | million                          |
| ppmv           | = | parts per million, by volume     |
| ppmw           | = | parts per million, by weight     |
| psia           | = | pounds per square inch, absolute |
| psig           | = | pounds per square inch, gauge    |
| scfm           | = | standard cubic feet per minute   |
| yr             | = | year                             |