

*MOJAVE DESERT  
AIR QUALITY MANAGEMENT DISTRICT*

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Federal Operating Permit Number: 42701095

For: Molded Fiber Glass Companies

Facility: Molded Fiber Glass Companies West

Facility Location: 9400 Holly Road, Adelanto, California 92301

Issued Pursuant to MDAQMD Regulation XII

Effective Date: May 23, 2011

●SEE TITLE V PAGE 2 FOR PERMIT REVISION SUMMARY●

This Federal Operating Permit Expires:

May 23, 2016

Issued By: Eldon Heaston  
Executive Director



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## **PERMIT REVISIONS**

**May 23, 2011 Permit Renewal:** Permit re-issued for a new 5 year term to expire May 23, 2016  
Part I(A) updated responsible official and facility contact.  
Part II, pages II-9 – II-30, updated rule citations to reflect current rule book and SIP versions  
Part II(25), pages II-14 – II-15, updated Rule 442 requirements and rule cite.  
Part III(B), (C), (D) and (E), pages III-32 – III-43, updated District permit conditions for consistency with 40 CFR Part 63, Subpart WWWW and added conditions requiring compliance with Rule 1162 and the Title V permit. Moved Rule 442 requirements from District permit conditions to Part II as a facility wide requirement.

*Renewal processed by Roseana Navarro-Brasington*

**Date of Change, 10-22-08 Administrative Permit Amendment:** (update by Sam Oktay)  
The intent of changes made during the 07-31-07 T5 Amendments were not completed as intended. This revision completes those changes; Pages affected: III-34, III-36, III-39, and III-42. Associated affected Permits are: B002555, B002557, S008896, and S009003 respectively.

**Date of Change, 07-31-07 Administrative Permit Amendment:** (update by Sam Oktay)  
Updated to incorporate facility emissions cap increase for large part manufacturing through the use of ERC's, Certificate Numbers 0071 and 0074. Pages affected: III-34, III-35, III-36, III-38, III-39, III-41 and III-42. District Permits affected: B002555, B002557, S008896, and S009003.  
New large part limit is 38.77 TPY of VOC's, was 15.89 TPY.

**Date of Change, 05-23-06:** (update by Bill)  
Re-Issue Title V Permit for new 5-year period. Permit valid May 23, 2006 through May 23, 2011.

**Date of Change, 04-06-06:** (update by Bill)  
Start 30-day Public Notice and concurrent 45-day EPA review period. EPA review period ends May 22, 2006.

**Date of Change, 03-31-06 and 05-02-2006:** (update by Bill)  
Update standard permit wording and rule cites & conditions to reflect most current versions and requirements. Update MDAQMD APCO/Executive Director changes. Per Company/Facility telephone comment, remove hydraulic press and central dust collector system, MDAQMD Permit #s B004648 and C002618 as per 11-23-2005 letter & Title V Renewal Application.

**Date of Change, 2-10-05:** (update by Sam)  
Updated Owner/operator "Site" Contact, from Frank Luna to Lisa Jaynes (Jackie Thomas), Title V Permit, Part I- Page 4.

Updated Title V Part I, Section C, I-6, “Equipment Description”; added 2 c, referencing closed molding processes.

Updated Title V Part II, Section C, Page II-29, “Facility Wide Compliance Conditions”, 10 c. to include references to closed molding and covered mixing associated with “Work Practices”.

Updated Title V Part III, Section B-3, page III-32 & 33 to include references to open molding, or closed molding processes, compression molding and vacuum resin infusion molding associated with large part manufacturing.

Updated Title V Part III, Section B-7, page III-33 to include references to open molding, or closed molding processes, compression molding and vacuum resin infusion molding associated with large part manufacturing.

Updated Title V Part III, Section C-3, page III-34 to include references to open molding, or closed molding processes, compression molding and vacuum resin infusion molding associated with large part manufacturing.

Updated Title V Part III, Section C-7b, page III-35 to include references to open molding, or closed molding processes, compression molding and vacuum resin infusion molding associated with large part manufacturing.

Updated Title V Part III, Section D-4, page III-36, facility VOC limitations clarified, including references to larger part manufacturing.

Updated Title V Part III, Section D-5, page III-36, and 37, changed daily to monthly emissions inventory requirements for mixing of press materials.

Updated Title V Part III, added Section D-6, D-6a, and D-6b, page III-37, facility VOC limitations clarified, including references to larger part manufacturing.

Updated Title V Part III, Section F-4, page III-38-39 to include Equipment Specific Monitoring.

Updated Title V Part III, Section G-4, page III-41 to include references to open molding, or closed molding processes, compression molding and vacuum resin infusion molding associated with large part manufacturing.

Updated Title V Part III, Section G-8b, page III-42 to include references to open molding, or closed molding processes, compression molding and vacuum resin infusion molding associated with large

part manufacturing.

Updated Title V Part III, Section H-4, page III-44 to include references to open molding, or closed molding processes, compression molding and vacuum resin infusion molding associated with large part manufacturing.

Updated Title V Part III, Section H-8b, page III-45 to include references to open molding, or closed molding processes, compression molding and vacuum resin infusion molding associated with large part manufacturing.

Removed References to Inactive District Permits; affected Title V pages: I-5 through I-7, III-30 through III-32: B004646, B004647, B004649, B004693, B004874, B004875, B004876, B004877, B004878, B004879, B004880, B004881, B004882, B004883, B004884, B004885, B004886, B004887, B004888, B004889, B004890, and B004891.

Revised Part II, *Applicable Requirements and Emissions Limitations*, Section B; *FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS*, and Section C; *FACILITY WIDE COMPLIANCE CONDITIONS*, to incorporate most recent EPA and CARB approved language. Affected Title V pages; II-8 through II-29.

Added USEPA NESHAP MACT facility, material usage and application, and record keeping requirements pursuant to 40 CFR 63, Subpart A, and WWWW as applicable to Reinforced Plastic Composites Production. Affected Title V pages: 4, II-29, III33, III-35, III-39, III-40, III-42, III-44, and III-45.

Update permits conditions for B002555 and B002557, and B004648 to reflect language consistent with conditions in permits, S008896 & S009003.

Permit Descriptions for permits B002555, B002557, S008896 and S009003 Identified as booths 1,2,3, and 4 respectively.

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PART I  
INTRODUCTORY INFORMATION

**A. Owner/operator Identifying Information:**

<u>Owner/Company Name:</u>	Molded Fiber Glass Companies
<u>Owner Mailing Address:</u>	Molded Fiber Glass Companies West 9400 Holly Road Adelanto, California 92301
<u>Owner/operator Name:</u>	Molded Fiber Glass Companies West
<u>Owner/operator Location:</u>	9400 Holly Road Adelanto, California 92301
<u>MDAQMD Federal Operating Permit Number:</u>	42701095
<u>MDAQMD Company Number:</u>	0427
<u>MDAQMD Owner/operator Number:</u>	01095
<u>Responsible Official:</u>	Tony Drake
<u>Title:</u>	General Manager
<u>Phone Number:</u>	760-246-4042
<u>Facility "Site" Contacts:</u>	Jackie Thomas
<u>Title:</u>	Plant Manager
<u>Phone Number:</u>	760-246-4042
<u>Nature of Business:</u>	Manufacturer of Molded Fiber Glass Products
<u>SIC Code:</u>	3089 – Molded Fiber Glass Operations
<u>Owner/operator Location:</u>	UTM (km) 2836 N / 459 E

**B. DESCRIPTION OF OWNER/OPERATOR:**

Federal Operating Permit (FOP number: 42701095) is for Molded Fiber Glass Companies, MOLDED FIBER GLASS COMPANIES WEST, located at 9400 Holly Road, in Adelanto, California). MOLDED FIBER GLASS COMPANIES WEST is a Manufacturer of Molded Fiber Glass Products owner/operator. The basic product of the owner/operator is a range of products from both open and closed molding processes. This is accomplished through mixing and forming raw materials of finely divided solids, with resins and fiber glass and the subsequent molding into composite parts. Emitting equipment at the owner/operator includes; drive presses, mixing equipment for the particulate solids, mixing equipment for the resins, spray coating equipment, spray booths, hydraulic press, and ancillary equipment. Particulate emissions are controlled by bughouses, and dust collectors.

**C. EQUIPMENT DESCRIPTION:**

1. One Open Molding Process (Gelcoat and Laminating Equipment)

- a. MDAQMD Permit Number B002555, which consists of BOOTH # 1 GELCOAT and LAMINATING (LINE A) consisting of: Gelcoat and Laminating booth that is 60 feet long by 10 feet high and 16 ft deep; Low Pressure air assist airless spray gun, model LPA-11-AAC Glas-Craft; Laminating area (Spray-up), which consists of: Series of booth type exhaust plenums, and Disposable filters (180 each at 20 inches square by 2 inches thick), and 4-Dayton Brand No. 3C414 at 5 hp each and moving 18,750 ACFM (total 75,000 ACFM), and an Exhaust Chamber.
- b. MDAQMD Permit Number B002557, which consists of BOOTH # 2 GELCOAT LAY-UP AREA and MOLDING ROOM (Line C) consisting of: MDAQMD Permit Number B002557, which consists of: Two Glas-Craft spray guns; 3 Super Flow chopper systems; Four Dayton Exhaust Fans, model 3C414 @ 5 hp each; Two Exhaust Air Chambers 40 feet by 8 feet by 4 feet; and 80 Fiber Glass Filters each with dimensions of 24 inches by 20 inches by 2 inches thick.

2. Closed Molding Process Consisting of the following Closed Molding Equipment:

- a. Closed molding processes also include vacuum resin infusion molding process, which includes a resin injection pump, a vacuum pump, and disposable nylon containing membrane.

3. Two Owner/operator Spray Booths

- a. MDAQMD Permit Number S008896 BOOTH # 3 GELCOAT AND LINE B LAMINATING BOOTH, which consists of a booth 40 feet long X 16 feet high X 16 feet deep, containing (144) disposable filters 20" X 20" X 2" each. (1) gelcoat spray gun, (2) non-atomizing resin application guns, three (3) exhaust stacks- 33 feet high, 3.5 feet in diameter, each with a flow rate of 21333 CFM, powered by (3) Dayton Brand 3C414, tube axle type exhaust fans, 6 bladed, 42" diameter, for a total flow rate of 64,000 CFM.
- b. MDAQMD Permit Number S009003 BOOTH # 4 GELCOAT AND LINE D LAMINATING BOOTH, which consists of a booth 20 feet long X 16 feet high X 16 feet deep, containing (72) disposable filters 20" X 20" X 2" each. (1) gelcoat spray gun, (1) non-atomizing resin application guns, one (1) Dayton Model 3C414, tube axle, 10 hp, 6 blade, 42 inch diameter exhaust fan generating a flow rate of 32000 CFM.
- c. Equipment, which does not require District Permits due to rule 219 consists of Bulk Resin Tanks; Wood Working Equipment and dust collector; Comfort air conditioning, space heating and ventilation systems; dust collector for plastic cut/sand surface grinding equipment; portable sanding and grinding equipment; forklift vehicles; LPG storage tank; and portable welding and cutting equipment.

**PART II**  
**FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS**  
**LIMITATIONS; MONITORING, RECORDKEEPING,**  
**REPORTING AND TESTING REQUIREMENTS; COMPLIANCE**  
**CONDITIONS; COMPLIANCE PLANS**

**A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:**

1. A permit is required to operate this facility.  
[Rule 203 - *Permit to Operate*; Version in State Implementation Plan (SIP) = California Air Resources Board (CARB) Ex. Order G-73, 40 Code of Federal Regulations (CFR) 52.220(c)(39)(ii)(B) - 11/09/78 43 Federal Register (FR) 52237; Current Rule Version = 07/25/77]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.  
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the Air Pollution Control Officer (APCO) / District.  
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.  
[Rule 207 - *Altering or Falsifying of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. Permits are not transferable.  
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
8. The Air Pollution Control Officer (APCO) may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.  
[Rule 217 - *Provision for Sampling And Testing Facilities*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(31)(vi)(C) - 02/01/77 43 FR 52237; Current Rule Version = 07/25/77]
9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.  
[SIP Pending: Rule 219 - *Equipment Not Requiring a Written Permit* as amended on 4/25/05, submission SIP Pending; SIP Approved San Bernardino County portion 6/6/1977, 40 CFR 52.220(c)(39)(ii)(B); SIP Approved Riverside County portion SCAQMD Rule 219 as amended 9/4/1981, 40 CFR 52.220(c)(103)(xviii)(A), Current Rule Version = 08/23/10]
10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.  
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217, Current Rule Version = 002/28/11]
11. Owner/Operator shall pay all applicable MDAQMD permit fees.  
[Rule 301 - *Permit Fees*; Applicable Version = 06/28/2010 effective 01/01/2011), Applicable via Title V Program interim approval 02/05/96 61 FR 4217, Current Rule Version = 06/28/10]
12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.  
[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
13. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
  - (a) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the

Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.

- (b) While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:
- (i). Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation, a visible emissions inspection is required every three (3) months or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3-month time frame.
  - (ii). Diesel Standby and emergency reciprocating engines using California low sulfur fuels require no additional monitoring for opacity.
  - (iii). Diesel/Distillate-Fueled Boilers firing on California low sulfur fuels require a visible emissions inspection after every 1 million gallons diesel combusted, to be counted cumulatively over a 5-year period.
  - (iv). On any of the above, if a visible emissions inspection documents opacity, an U.S. Environmental Protection Agency (EPA) Method 9 "Visible Emissions Evaluation" shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3 working day time frame.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*]

14. Owner/Operator is limited to use of the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 parts per million (ppm) calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be kept on-site and available for review by District, state, or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent.

[40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*]

[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

15. Emissions of fugitive dust from any transport, handling, construction, or storage activity at

this facility shall not be visible in the atmosphere beyond the property line of the facility.

[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR  
52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

16. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an “Alternative PM<sub>10</sub> Control Plan” (ACP) pursuant to Rule 403.2(G) has been approved.  
[**SIP Pending:** Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* Submitted as adopted 7/22/97 on 10/18/96]
17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
  - (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
  - (b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
  - (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR  
52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
18. Owner/Operator shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
  - (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
  - (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR  
52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
19. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO<sub>2</sub>), greater than or equal to 500 ppm by volume.  
[Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR  
52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]
20. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum

of 15 consecutive minutes.

(a) The provisions of this condition shall not apply to emissions from internal combustion engines.

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

21. Owner/Operator shall not build, erect, install, or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission that would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.

(a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.

[Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

22. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions averaged over a minimum of 25 consecutive minutes.

[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

Reference Section III A(1)

23. The Air Pollution Control Officer (APCO), at his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment that has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:

(a) Any breakdown that results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and

(b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and

(c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.

(d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a

petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.

- (e) If the breakdown occurs outside normal District working hours, the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer (APCO).

[SIP Pending: Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

- 24. The provisions of Regulation IV except Rule 402 shall not apply to experimental research operations when the following requirements are met:

- (a) The purpose of the operation is to permit investigation, experiment, or research to advance the state of knowledge or the state of the art; and
- (b) The Air Pollution Control Officer (APCO) has given written prior approval that shall include limitation of time.

[SIP: Not SIP: Rule 441 – *Research Operations* Disapproved 1/16/81 and 40 CFR 52.272(a)(9)(i)]

- 25. Owner/Operator of this facility shall not discharge into the atmosphere emissions in excess of the following from VOC containing materials or from organic solvents which are not VOCs unless such emissions have been reduced by at least 85%:

- (a) VOCs from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month per Facility.
- (b) a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average.
- (c) The provisions of this condition shall not apply to:
  - (1) The manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
  - (2) The emissions of VOCs from VOC-containing materials or equipment which are subject to the rules of Regulation IV or which are exempt from air pollution control requirements by said rules.
  - (3) The spraying or other employment of organic solvents as insecticides, pesticides or herbicides.
  - (4) The use of equipment or materials for which other requirements are specified in source specific rules of Regulation XI after the compliance dates specified in such source specific rules.
  - (5) The use of 1-1-1 Trichloroethane.
  - (6) Aerosol products.

[SIP: Rule 442 – *Usage of Solvents*, Current rule book version = 2/27/06, SIP approved 5/8/07, 72 FR 52791, 40 CFR 52.220(c)(347)(i)(c)(1); approved 6/9/82, 47 FR 25013, 40 CFR 52.220(c)(51)(xii)(B); approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(ii)(C)]

26. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered “open outdoor fires” for the purposes of Rule 444 (reference Rule 444(B)(9)).  
[Rule 444 – *Open Outdoor Fires*, version in SIP = Submitted as adopted 5/8/07 40 CFR 52.220(c)(350)(B)(1); FR date 10/31/2007, 72 FR 61525, Current Rule Version = 09/25/06]
27. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning, and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.
  - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
  - (c) Cold Solvent Degreasers - Freeboard Requirements:
    - (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
    - (ii) *Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.*
    - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
    - (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one.
  - (d) Cold Solvent Degreasers - Cover Requirements:
    - (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.
  - (e) Cold Solvent Degreasers - Solvent Level Identification:
    - (i) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.

- (f) All Degreasers shall comply with the following operating requirements:
- (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
  - (ii) Degreasers shall not be operating with any detectable solvent leaks.
  - (ii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
  - (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a federally or state licensed facility to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
  - (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
  - (vi) Solvent carryout shall be minimized by the following methods:
    - (a) Rack workload arranged to promote complete drainage
    - (b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
    - (c) Retain the workload inside of the vapor zone until condensation ceases.
    - (d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
    - (e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
  - (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
  - (viii) Except for sealed chamber degreasers, all solvent agitation shall be by pump recirculation, a mixer, or ultrasonics.
  - (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
  - (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
  - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers

- at all times, except during use.
- (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
  - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the volatile organic compound (VOC) limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
- (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
    - (i) Product name(s) used in the degreaser, and
    - (ii) The mix ratio of solvent compounds mixtures of solvents are used, and
    - (iii) VOC content of solvent or mixture of compounds as used, and
    - (iv) The total volume of the solvent(s) used for the facility, on a monthly basis, and
    - (v) The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
  - (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data are recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.
  - (3) Documentation shall be maintained on site of the disposal or on-site recycling of any waste solvent or residues.
  - (4) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5-year period as required by this Title V / Federal Operating Permit (Reference Rule 1203(D)(1)(d)(ii)).

[Rule 1104 - *Organic Solvent Degreasing Operations*; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

28. Owner/Operator’s use of *Architectural Coatings* at this facility shall comply with the applicable requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table 1, as listed below:

**Table 1**

**VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS**

Limits are expressed in grams of VOC per liter of coating thinned to the manufacturer’s maximum recommendation, excluding the volume of any water, exempt compounds, or colorant added to tint bases. “Manufacturer’s maximum recommendation” means the maximum recommendation for thinning that is indicated on the label or lid of the coating container.

<u>Coating Category</u>	<u>Grams/liter</u>
<b>Flat Coatings</b>	100
<b>Nonflat Coatings</b>	150
<b>Nonflat-High Gloss Coatings</b>	250
<b>Specialty Coatings</b>	
Antenna Coatings	530
Antifouling Coatings	400
Bituminous Roof Coatings	300
Bituminous Roof Primers (b)	350
Bond Breakers	350
Clear Wood Coatings	
Clear Brushing Lacquers	680
Lacquers (including lacquer sanding sealers)	550
Sanding Sealers (other than lacquer sanding sealers)	350
Varnishes	350
Concrete Curing Compounds	350
Dry Fog Coatings	400
Faux Finishing Coatings	350
Fire Resistive Coatings	350
Fire-Retardant Coatings:	
Clear	650
Opaque	350

Floor Coatings	250
Flow Coatings	420
Form-Release Compounds	250
Graphic Arts Coatings (Sign Paints)	500
High Temperature Coatings	420
Industrial Maintenance Coatings (c)	250
Low Solids Coatings (d)	120
Magnesite Cement Coatings	450
Mastic Texture Coatings	300
Metallic Pigmented Coatings	500
Multi-Color Coatings	250
Pre-Treatment Wash Primers	420
Primers, Sealers, and Undercoaters	200
Quick-Dry Enamels	250
Quick-Dry Primers, Sealers, and Undercoaters	200
Recycled Coatings	250
Roof Coatings	250
Rust Preventative Coatings	400
Shellacs:	
Clear	730
Opaque	550
Specialty Primers, Sealers, and Undercoaters	350
Stains	250
Swimming Pool Coatings	340
Swimming Pool Repair and Maintenance Coatings	340
Temperature-Indicator Safety Coatings	550
Traffic Marking Coatings	150
Waterproofing Sealers	250
Waterproofing Concrete/Masonry Sealers	400
Wood Preservatives (e)	350

- a. Conversion factor: one pound VOC per gallon (U.S.) = 119.95 grams VOC per liter.
- b. Formerly listed as General Primer, Sealers & Undercoaters.
- c. Except Anti-Graffiti coatings, which have a limit of 600 g/ltr.
- d. Units are grams of VOC per liter (pounds of VOC per gallon) of coating, including water and exempt compounds.
- e. Except Below Ground Wood Preservatives, which have a limit of 600 g/ltr.

[Rule 1113 - *Architectural Coatings*; SIP: Submitted as amended 02/24/03 on 4/1/03

limited approval/disapproval 40 CFR 52.220(c)(315)(i)(C)(1) 1/2/2004 69 FR 34;]

29. Owner/Operator's use of *Wood Products Coatings* at this facility shall comply with the applicable requirements of Rule 1114, including the VOC limits specified in Rule 1114, part C, Table of Standards, as listed below:

(1) VOC Content of Coatings & Adhesives

(a) Any Owners and/or Operators of Wood Products Coating Application Operations shall not apply any Coating or Adhesive to a Wood Product which has a VOC Content, including any VOC-containing material added to the original Coating supplied by the manufacturer, which exceeds the applicable limit specified below, unless emissions to the atmosphere are controlled by air pollution abatement equipment with an Overall Control Efficiency of at least 85 percent. Any Coating subject to this rule that meets either of the two VOC Content limit formats (grams per liter or pounds per gallon [lb/gal]) is in compliance with this subsection.

(i) **LIMITS**

Grams of VOC Per Liter of Coating,  
Less Water and Less Exempt Compounds (VOC Content)

Coating	Current Limit g/L (lb/gal)	On and After 7/1/97		On and After 7/1/2005
		Column I <i>or</i> g/L (lb/gal)	Column II g/L (lb/gal)	g/L (lb/gal)
Clear Sealers	680 (5.7)	550 (4.6)	680 (5.7)	275 (2.3)
Clear Topcoat	680 (5.7)	550 (4.6)	275 (2.3)	275 (2.3)
Pigmented Primers, Sealers and Undercoats	600 (5.0)	550 (4.6)	600 (5.0)	275 (2.3)
Pigmented Topcoats	600 (5.0)	550 (4.6)	275 (2.3)	275 (2.3)

Effective July 1, 1997, a person or facility shall use Coatings on Wood Products that comply with either all VOC Content limits in Column I or all VOC Content limits in Column II. A person or facility that applies a Pigmented Primer, Sealer or Undercoat, but not a Clear Topcoat or Pigmented Topcoat, to a Wood Product shall be subject to column I for that product.

- (ii) Notwithstanding the requirements of subsection (C)(1)(a)(i), a person or facility that applies a topcoat and a primer, sealer or undercoat to a Shutter may, until July 1, 2005, choose to comply with the VOC Content limits specified below for that Shutter:

(c) **LIMITS**  
Grams of VOC Per Liter of Coating,  
Less Water and Less Exempt Compounds (VOC Content)

Coating	g/L (lb/gal)
Clear Sealers	275 (2.3)
Clear Topcoat	680 (5.7)
Pigmented Primers, Sealers & Undercoats	275 (2.3)
Pigmented Topcoats	600 (5.0)

(d) **LIMITS**  
Grams of VOC Per Liter of Coating,  
Less Water and Less Exempt Compounds (VOC Content)

Coating	Current Limit g/L (lb/gal)	On and After 7/1/97	On and After 7/1/2005
		g/L (lb/gal)	g/L (lb/gal)
Fillers	500 (4.2)	500 (4.2)	275 (2.3)
High-Solid Stains	700 (5.8)	550 (4.6)	350 (2.9)
Inks	500 (4.2)	500 (4.2)	500 (4.2)

		On and After 7/1/97	On and After 7/1/2005
Mold-Seal Coatings	750 (6.3)	750 (6.3)	750 (6.3)
Multi-Colored Coatings	685 (5.7)	685 (5.7)	275 (2.3)
Low-Solids Stains, Toners and Washcoats	800 (6.7)	480 (4.0)	120 (1.0)
Adhesives	250 (2.1)	250 (2.1)	250 (2.1)

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, Approved: 08/18/98, 63 FR 44132, 40 CFR 52.220(c)(244)(i)(C); Approved 61 FR 18962, 04/30/96]

30. Owner/Operator's use of *Metal Parts and Products Coatings* at this facility shall comply with the applicable requirements of Rule 1115, including the VOC limits specified in Rule 1115, as listed below:

Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS

(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

<u>Coating</u> (lb/gal)	<u>Air Dried</u> g/L	<u>Baked</u> (lb/gal) g/L
General	420 (3.5)	360 (3.0)
Military Specification	420 (3.5)	360 (3.0)
Etching Filler	420 (3.5)	420 (3.5)
Solar-Absorbent	420 (3.5)	360 (3.0)
Heat-Resistant	420 (3.5)	360 (3.0)
High-Gloss	420 (3.5)	360 (3.0)
Extreme High-Gloss	420 (3.5)	360 (3.0)
Metallic	420 (3.5)	420 (3.5)
Extreme Performance	420 (3.5)	360 (3.0)
Prefabricated Architectural		

Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

31. Owner/Operator’s use of *Automotive Finishing Operations* at this facility shall comply with the applicable requirements of Rule 1116, including the VOC limits specified in Rule 1116, as listed below:

Any person who applies Coatings to Group I Vehicles (Buses and Mobile Equipment), Group II Vehicles (Passenger cars, Large/Heavy Duty Truck cabs and chassis, Light and Medium Duty Trucks and Vans, and motorcycles), or their parts and components, shall comply with subsections (a) or (b) below:

- (a) Group I Vehicles and Mobile Equipment

Any person shall not Finish or refinish Group I Vehicles and Mobile Equipment or their parts and components where Color Match is not required, using any Coating with a VOC content in excess of the following limits, expressed as Grams of VOC per Liter of Coating Less Water and Less Exempt Compounds, as applied, unless emissions of VOC to the atmosphere are controlled by air pollution abatement equipment with combined capture efficiency and control efficiency of the abatement device of at least 85 percent, and which has been approved in writing by the Air Pollution Control Officer (APCO):

	<b>VOC Limits</b>
Pretreatment Wash	780 g/L (6.5 lb/gal)

	<b>VOC Limits</b>
Primer	
Primer	250 g/L (2.1 lb/gal)
Primer Sealer	250 g/L (2.1 lb/gal)
Topcoat	340 g/L (2.8 lb/gal)
Metallic Topcoat	420 g/L (3.5 lb/gal)
Extreme Performance	420 g/L (3.5 lb/gal)

- (b) Any person shall not refinish Group II Vehicles (Passenger cars, Large/Heavy Duty Truck cabs and chassis, Light and Medium Duty Trucks and Vans, and motorcycles), their parts and components, or Group I Vehicles and Mobile Equipment where Color Match is required, using any Coating with a VOC content in excess of the following limits, expressed as Grams of VOC per Liter of Coating Less Water and Less Exempt Compounds, as applied, unless emissions of VOC to the atmosphere are controlled by air pollution abatement equipment with a combined capture efficiency and control efficiency of the abatement device of at least 85 percent, and which has been approved in writing by the Air Pollution Control Officer (APCO):

	<b>VOC Limits</b>
Pretreatment Wash Primer	780 g/L (6.5 lb/gal)
Primer/Primer Surfacer	250 g/L (2.1 lb/gal)
Primer Sealer	340 g/L (2.8 lb/gal)
Topcoat	420 g/L (3.5 lb/gal)
Metallic Topcoat	420 g/L (3.5 lb/gal)
Multi-Stage Topcoat System	420 g/L (3.5 lb/gal)

[Rule 1116 - Automotive Finishing Operations; Submitted as amended 08/23/10, SIP pending; Current version in SIP 4/26/99, approved 04/10/00, 65 FR 18901, 40 CFR

52.220(c)(268)(i)(8)(B)(1); Approved 6/13/95, 60 FR 31081, 40 CFR  
52.220(c)(216)(i)(A)(1); Approved 12/20/93, 58 FR 66283, 40 CFR  
52.220(c)(188)(i)(B)(1)]

32. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1211 (Regulation XII - *Federal Operating Permits*). [SIP: Not SIP. Title V Program Approval 11/21/03 68 FR 65637; Partial Withdrawal of approval 10/15/02 67 FR 63551; Notice of Deficiency 05/22/02 67 FR 35990; Approval 12/17/01 66 FR 63503; Interim Approval 02/05/96 61 FR 4217, program amendment 02/28/11, approval pending]

**B. FACILITY-WIDE MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS:**

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.  
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
  - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
  - (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal

personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent).

Vendor data meeting this requirement are sufficient.

[40 CFR 70.6(a)(3)(B) – *Periodic Monitoring Requirements*]

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)] and in California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]

- 4 (a) Owner/Operator shall submit Compliance Certifications as prescribed by Rule 1203(F)(1) and Rule 1208, in a format approved by MDAQMD. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.  
[40 CFR 70.6(c)(5)(i); Rule 1208; Rule 1203(D)(1)(vii-x)]
  - (b) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.  
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
  - (c) Owner/Operator shall comply with any additional certification requirements as specified in 42 United States Code (U.S.C.) §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.  
[Rule 1203 (D)(1)(g)(x)]
  - (d) On an annual basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the Air Pollution Control Officer (APCO) / District pursuant to District Rule 1203. Each report shall be certified to be true, accurate, and complete by “The Responsible Official” and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.  
[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(v - x)]
5. Owner/Operator shall submit, on an annual basis, a *Monitoring Report* to the Air Pollution Control Officer (APCO) / District. Each *Monitoring Report* shall be submitted no later than 30 days after the midpoint (six months after the Title V Permit month & day issue date) of the Title V Permit anniversary date of any given year. This *Monitoring Report* shall be certified to be true, accurate, and complete by “The Responsible Official” and shall include the following information and/or data:

- (a) Summary of deviations from any federally enforceable requirement in this permit.
- (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
- (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.

An alternate Monitoring Report format may be used upon prior approval by MDAQMD.  
[Rule 1203(D)(1)(e)(i)]

6. Owner/Operator shall promptly report all deviations from Federal Operating Permit requirements including, but not limited to, any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation. [Rule 1203(D)(1)(e)(ii) and Rule 430(C)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District. [SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 2/24/95]
- (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 1203(D)(1)(e)(i)]

7. If any facility unit(s) should be determined not to be in compliance with any federally enforceable requirement during the 5-year permit term, then Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:

- (a) A narrative description of how the facility will achieve compliance with such

- requirements; and
- (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
  - (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance. [Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

**C. FACILITY-WIDE COMPLIANCE CONDITIONS:**

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice. [40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit. [40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit. [40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement. [40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]

5. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.  
[1203 (D)(1)(f)(ii)]
6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.  
[Rule 1201 (I)(2); Rule 1203(D)(1)(g)(v)]
7. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.  
[40 CFR 61, subparts A and M]
8. Owner/Operator shall notify Air Pollution Control Officer (APCO) / District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.  
[40 CFR 61.145.b]
9. Owner/Operator shall notify the Air Pollution Control Officer (APCO) / District, on an **annual** basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].  
[40 CFR 61.145.b]
10. This facility shall be maintained and operated in compliance with USEPA NESHAP Maximum Achievable Control Technology (MACT) Standards found in 40 CFR 63 Subparts A and WWWW to include but not limited to the following:
  - a. The open molding HAP emissions shall not exceed the HAP emission limits in Table 3 or Table 7, depending on which compliance option is chosen to demonstrate compliance with Subpart WWWW of 40 CFR 63. In accordance with Subpart 63.5810, the facility may use Option A in 63.5810(a), Option B in 63.5810(b), Option C in 63.5810(c), or Option D in 63.5810(d) to comply with the open molding limits.  
[40 CFR; 63.5810, *Equations To Calculate Organic HAP Emissions Factors For*

*Specific Open Molding And Centrifugal Casting Process Streams]*

- b. HAP emissions (commonly styrene and methyl methacrylate) shall be determined by using the equations found in Table 1 of Subpart WWWW to 40 CFR 63.  
[40 CFR; 63.5810, *Equations To Calculate Organic HAP Emissions Factors For Specific Open Molding And Centrifugal Casting Process Streams*]
- c. This facility must comply with ‘Work Practices’ found in Table 4 to Subpart WWWW of 40 CFR 63 and demonstrate compliance with these ‘Work Practices’ per Table 9 to Subpart WWWW of 40 CFR 63. The closed molding and covered mixing processes must comply with the “Work Practices” found in Table 4.  
[40 CFR; 63.5805(a) through (d) and (g), 63.5835(a), 63.5900(a)(3), 63.5910(c)(5), and 63.5915(d), *Work Practice Standards*’]
- d. This facility must submit semi-annual ‘Compliance Reports’ as required in Table 14 to Subpart WWWW of 40 CFR 63 per 40 CFR 63.5910(b) on or before January 31 and July 31 of each year.  
[40 CFR; 63.5910(b), *Notifications, Reports, and Reports*’]
- e. This facility is required to meet operation and maintenance requirements 40 CFR 63.6(e)(1) and (2).  
[40 CFR; 63, Table 15 to Subpart WWWW: *Applicability Of General Provisions (Subpart A) To Subpart WWWW Of Part 63*’]
- f. This facility must submit a ‘Notification of Compliance Status’ per 40 CFR 63.9(h) and Table 13 to Subpart WWWW of 40 CFR 63.  
[40 CFR; 63, Table 13 to Subpart WWWW: *Applicability And Timing Of Notifications*’]

**PART III**  
**EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS**  
**LIMITATIONS; MONITORING, RECORDKEEPING,**  
**REPORTING AND TESTING REQUIREMENTS; COMPLIANCE**  
**CONDITIONS; COMPLIANCE PLANS**

**A. Standard Monitoring, Record-keeping and Reporting Requirements:**

1. Any data and records required to be generated and/or kept by any portion of this permit, shall be kept current, on-site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and provided to District, state, or federal personnel on request.  
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].
2. Any reports generated from monitoring required by any portion of this permit shall be submitted by the owner/operator to the MDAQMD at least every three (3) months unless another time period is specified in the specific provision requiring monitoring.  
[40 CFR 70.6(a)(3)(iii)(A); Rule 1203(D)(1)(e)(i)]
3. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's Compliance Test Procedural Manual. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.  
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)  
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
  - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
  - (b) Fuel suppliers fuel analysis certification/guarantee including fuel sulfur content

shall be kept on site, for a minimum of five (5) years, and available for inspection by District, state or federal personnel on request. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).

*[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]* (for Periodic Monitoring Requirements, see Part II and Part III conditions)

*[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]*

*[Rule 407 - Liquid and Gaseous Air Contaminants; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]*

*[Rule 1157 - Boilers and Process Heaters; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]*

The o/o shall curtail all operations from the mixing of press materials and their processing in the presses for the current production year once the 24.5 ton/year limit, according to the daily inventory emissions, has been reached.

*[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]*

**B. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number B002555, BOOTH 1 GELCOAT & LAMINATING (LINE A):**

1. This spray booth and the entire facility shall be maintained and operated in compliance with USEPA NESHAP Maximum Achievable Control Technology (MACT) Standards found in 40 CFR 63 Subparts A and WWWW to include but not limited to the following:
  - a. The open molding HAP emissions shall not exceed the HAP emission limits in Table 3 or Table 7, depending on which compliance option is chosen to demonstrate compliance with Subpart WWWW of 40 CFR 63. In accordance with Subpart 63.5810, the facility may use Option A in 63.5810(a), Option B in 63.5810(b), Option C in 63.5810(c), or Option D in 63.5810(d) to comply with the open molding limits.
  - b. HAP emissions (commonly styrene and methyl methacrylate) shall be determined by using the equations found in Table 1 of Subpart WWWW to 40 CFR 63.

- c. This facility must comply with Work Practices found in Table 4 to Subpart WWW of 40 CFR 63 and demonstrate compliance with these Work Practices per Table 9 to Subpart WWW of 40 CFR 63.
- d. This facility must submit semi-annual Compliance Reports as required in Table 14 to Subpart WWW of 40 CFR 63 per 40 CFR 63.5910(b) on or before January 31 and July 31 of each year.
- e. This facility is required to meet operation and maintenance requirements 40 CFR 63.6(e)(1) and (2).
- f. This facility must submit a Notification of Compliance Status per 40 CFR 63.9(h) and Table 13 to Subpart WWW of 40 CFR 63.
- g. In the event of conflict between the MACT Standard, and the conditions sited below, the MACT standard shall govern.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. Only "Glas-Craft", model LPA-11-AAC spray guns or equivalent, and GS manufacturing superflow chopper systems are approved for use.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Total VOC emissions from all operations conducted at this facility are limited to 43.8 tons of VOC per year plus an additional 38.77 TPY from Large Part open molding manufacturing or closed molding, which includes compression molding and resin infusion molding. Facility emissions include this spray booth and spray booths under district permits B002557, S008896, S009003, compression molding and mixing under district permit number B004648 and resin infusion molding combined, based on a 12 month rolling average, as indicated in Permit Condition 7.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
4. For the purposes of calculating VOC emissions, all VOC in air-dried materials used shall be assumed to be emitted to the atmosphere during the day of application.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. Filters shall be maintained in a tightly mounted and dimensionally stable condition free of excess deposits or interference with airflow passages.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
  
6. This equipment shall be operated in strict accord with the manufacturer's specifications or, if manufactured by the applicant, approved by the district Air Pollution Control Officer (APCO).  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
  
7. Total Facility VOC emissions shall be limited to 82.57 tons per year, based on a 12 month rolling average, provided that the following conditions a) and b) are met:
  - a. Facility VOC emissions shall not exceed 43.8 tons per year (12-month rolling average), unless compliance with condition b) is demonstrated.
  
  - b. If facility VOC emissions exceed 43.8 tons per year (12 month rolling average) the owner/operator must demonstrate that the increment of up to an additional 38.77 tons per year (12 month rolling average) results from only "Large Part" open molding manufacturing, as defined herein and demonstrated by recordkeeping required in section 4, or from closed molding processes, which include compression molding and vacuum resin infusion molding.

For the purpose of this permit, and in accord with MACT Standard, 40 CFR Part 63, Subpart WWWW:

A large open molding part is defined as a part that, when the final finished part is enclosed in the smallest rectangular six-sided box into which the part can fit, the total interior volume of the box exceeds 250 cubic feet, or any interior sides of the box exceed 50 square feet.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[40 CFR Part 63, Subpart WWWW]

8. The owner/operator shall comply with the polyester resin and gelcoat application technique requirements in section C(1) of MDAQMD Rule 1162, and shall not exceed the monomer limits for each applicable resin use in Table 1 in Section C(2) of MDAQMD Rule 1162.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[Rule 1162 – Polyester Resin Operations, Version in SIP = Current Rule Version  
8/27/2007, Approved 11/24/2008, 40 CFR 52.220(c)(354)(i)(B)(1) 11/24/2008 73 FR  
70883]

9. This equipment shall comply with all the applicable requirements of this facility’s current federal operating permit including Part II - Facilitywide Applicable Requirements.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR  
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

**C. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number B002557, BOOTH 2 GELCOAT LAY-UP AREA AND MOLDING ROOM (LINE C):**

1. This spray booth and the entire facility shall be maintained and operated in compliance with USEPA NESHAP Maximum Achievable Control Technology (MACT) Standards found in 40 CFR 63 Subparts A and WWWW to include but not limited to the following:
- a. The open molding HAP emissions shall not exceed the HAP emission limits in Table 3 or Table 7, depending on which compliance option is chosen to demonstrate compliance with Subpart WWWW of 40 CFR 63. In accordance with Subpart 63.5810, the facility may use Option A in 63.5810(a), Option B in 63.5810(b), Option C in 63.5810(c), or Option D in 63.5810(d) to comply with the open molding limits.
  - b. HAP emissions (commonly styrene and methyl methacrylate) shall be determined by using the equations found in Table 1 of Subpart WWWW to 40 CFR 63.
  - c. This facility must comply with Work Practices found in Table 4 to Subpart WWWW of 40 CFR 63 and demonstrate compliance with these Work Practices per Table 9 to Subpart WWWW of 40 CFR 63.
  - d. This facility must submit semi-annual Compliance Reports as required in Table 14 to Subpart WWWW of 40 CFR 63 per 40 CFR 63.5910(b) on or before January 31 and July 31 of each year.
  - e. This facility is required to meet operation and maintenance requirements 40 CFR 63.6(e)(1) and (2).

- f. This facility must submit a Notification of Compliance Status per 40 CFR 63.9(h) and Table 13 to Subpart WWWW of 40 CFR 63.
- g. In the event of conflict between the MACT Standard, and the conditions sited below, the MACT standard shall govern.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. Only GS or equivalent and GS manufacturing superflow chopper systems are approved for use.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Total VOC emissions from all operations conducted at this facility are limited to 43.8 tons of VOC's per year plus an additional 38.77 TPY from "Large Part" open molding manufacturing or closed molding, which includes compression molding, covered mixing, and resin infusion molding. Facility emissions include this spray booth and spray booths under district permits B002555, S008896, S009003, compression molding and mixing, and resin infusion molding combined, based on a 12 month rolling average, as indicated in Permit Condition 7.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
4. For the purpose of calculating VOC emission, all VOC air-dried materials used shall be assumed to be emitted to the atmosphere during the day of application.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Filters shall be maintained in a tightly mounted and dimensionally stable condition free of excess deposits or interference with airflow passages.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. This equipment shall be operated in strict accord with the manufacturer's specifications or, if manufactured by the applicant, approved by the district Air Pollution Control Officer (APCO).  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. Total Facility VOC emissions shall be limited to 82.57 tons per year, based on a 12 month rolling average, provided that the following conditions a) and b) are met:
- a. Facility VOC emissions shall not exceed 43.8 tons per year (12-month rolling average), unless compliance with condition b) is demonstrated.
  - b. If facility VOC emissions exceed 43.8 tons per year (12 month rolling average) the owner/operator must demonstrate that the increment of up to an additional 38.77 tons per year (12 month rolling average) results from only “Large Part” open molding manufacturing, as defined herein and demonstrated by recordkeeping required in section 4, or from closed molding processes, which include compression molding and vacuum resin infusion molding.

For the purpose of this permit, and in accord with MACT Standard, 40 CFR Part 63, Subpart WWWW:

A large open molding part is defined as a part that, when the final finished part is enclosed in the smallest rectangular six-sided box into which the part can fit, the total interior volume of the box exceeds 250 cubic feet, or any interior sides of the box exceed 50 square feet.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[40 CFR Part 63, Subpart WWWW]

8. The owner/operator shall comply with the polyester resin and gelcoat application technique requirements in section C(1) of MDAQMD Rule 1162, and shall not exceed the monomer limits for each applicable resin use in Table 1 in Section C(2) of MDAQMD Rule 1162.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[Rule 1162 – Polyester Resin Operations, Version in SIP = Current Rule Version 8/27/2007, Approved 11/24/2008, 40 CFR 52.220(c)(354)(i)(B)(1) 11/24/2008 73 FR 70883]

9. This equipment shall comply with all the applicable requirements of this facility’s current federal operating permit including Part II - Facilitywide Applicable Requirements.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

**D. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit number S008896, BOOTH 3 GELCOAT AND LINE B LAMINATING BOOTH:**

1. This spray booth and the entire facility shall be maintained and operated in compliance with USEPA NESHAP Maximum Achievable Control Technology (MACT) Standards found in 40 CFR 63 Subparts A and WWWW to include but not limited to the following:
  - a. The open molding HAP emissions shall not exceed the HAP emission limits in Table 3 or Table 7, depending on which compliance option is chosen to demonstrate compliance with Subpart WWWW of 40 CFR 63. In accordance with Subpart 63.5810, the facility may use Option A in 63.5810(a), Option B in 63.5810(b), Option C in 63.5810(c), or Option D in 63.5810(d) to comply with the open molding limits.
  - b. HAP emissions (commonly styrene and methyl methacrylate) shall be determined by using the equations found in Table 1 of Subpart WWWW to 40 CFR 63.
  - c. This facility must comply with Work Practices found in Table 4 to Subpart WWWW of 40 CFR 63 and demonstrate compliance with these Work Practices per Table 9 to Subpart WWWW of 40 CFR 63.
  - d. This facility must submit semi-annual Compliance Reports as required in Table 14 to Subpart WWWW of 40 CFR 63 per 40 CFR 63.5910(b) on or before January 31 and July 31 of each year.
  - e. This facility is required to meet operation and maintenance requirements 40 CFR 63.6(e)(1) and (2).
  - f. This facility must submit a Notification of Compliance Status per 40 CFR 63.9(h) and Table 13 to Subpart WWWW of 40 CFR 63.
  - g. In the event of conflict between the MACT Standard, and the conditions sited below, the MACT standard shall govern.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. Only "Glas-Craft", model LPA-11-AAC spray guns or equivalent and GS manufacturing superflow chopper systems (or equivalent) are approved for use.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Total VOC emissions from all operations conducted at this facility are limited to 43.8 tons of VOC per year plus an additional 38.77TPY from Large Part open molding manufacturing, or from closed molding processes, which include compression molding and vacuum resin infusion molding. Facility emissions include this spray booth and spray booths under district permit S009003, B002555, B002557, and resin infusion molding combined, based on a 12 month rolling average, as indicated in Permit Condition 7.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
4. For the purposes of calculating VOC emissions, all VOC in air dried materials used, shall be assumed to be emitted, to the atmosphere during the day of application..  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Filters shall be maintained in a tightly mounted and dimensionally stable condition free of excess deposits or interference with air flow passages.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. This equipment shall be operated in strict accord with the manufacturer's specifications or, if manufactured by the applicant, approved by the District Executive Officer.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. Total Facility VOC emissions shall be limited to 82.57 tons per year, based on a 12 month rolling average, provided that the following conditions a) and b) are met:
  - a. Facility VOC emissions shall not exceed 43.8 tons per year (12-month rolling average), unless compliance with condition b) is demonstrated.
  - b. If facility VOC emissions exceed 43.8 tons per year (12 month rolling average) the owner/operator must demonstrate that the increment of up to an additional 38.77 tons per year (12 month rolling average) results from only Large Part open molding

manufacturing, as defined herein and demonstrated by recordkeeping required in section 4, or from closed molding processes, which include compression molding and vacuum resin infusion molding.

For the purpose of this permit, and in accord with MACT Standard, 40 CFR Part 63, Subpart WWWW:

A large open molding part is defined as a part that, when the final finished part is enclosed in the smallest rectangular six-sided box into which the part can fit, the total interior volume of the box exceeds 250 cubic feet, or any interior sides of the box exceed 50 square feet.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[40 CFR Part 63, Subpart WWWW]

8. The owner/operator shall comply with the polyester resin and gelcoat application technique requirements in section C(1) of MDAQMD Rule 1162, and shall not exceed the monomer limits for each applicable resin use in Table 1 in Section C(2) of MDAQMD Rule 1162.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[Rule 1162 – Polyester Resin Operations, Version in SIP = Current Rule Version 8/27/2007, Approved 11/24/2008, 40 CFR 52.220(c)(354)(i)(B)(1) 11/24/2008 73 FR 70883]
9. This equipment shall comply with all the applicable requirements of this facility's current federal operating permit including Part II - Facilitywide Applicable Requirements.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

**E. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit number S009003, BOOTH 4 GELCOAT AND LINE D LAMINATING BOOTH:**

1. This spray booth and the entire facility shall be maintained and operated in compliance with USEPA NESHAP Maximum Achievable Control Technology (MACT) Standards found in 40 CFR 63 Subparts A and WWWW to include but not limited to the following:
  - a. The open molding HAP emissions shall not exceed the HAP emission limits in

Table 3 or Table 7, depending on which compliance option is chosen to demonstrate compliance with Subpart WWWW of 40 CFR 63. In accordance with Subpart 63.5810, the facility may use Option A in 63.5810(a), Option B in 63.5810(b), Option C in 63.5810(c), or Option D in 63.5810(d) to comply with the open molding limits.

- b. HAP emissions (commonly styrene and methyl methacrylate) shall be determined by using the equations found in Table 1 of Subpart WWWW to 40 CFR 63.
  - c. This facility must comply with Work Practices found in Table 4 to Subpart WWWW of 40 CFR 63 and demonstrate compliance with these Work Practices per Table 9 to Subpart WWWW of 40 CFR 63.
  - d. This facility must submit semi-annual Compliance Reports as required in Table 14 to Subpart WWWW of 40 CFR 63 per 40 CFR 63.5910(b) on or before January 31 and July 31 of each year.
  - e. This facility is required to meet operation and maintenance requirements 40 CFR 63.6(e)(1) and (2).
  - f. This facility must submit a Notification of Compliance Status per 40 CFR 63.9(h) and Table 13 to Subpart WWWW of 40 CFR 63.
  - g. In the event of conflict between the MACT Standard, and the conditions sited below, the MACT standard shall govern.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[40 CFR Part 63, Subpart WWWW]
2. Only "Glas-Craft", model LPA-11-AAC spray guns or equivalent and GS manufacturing superflow chopper systems (or equivalent) are approved for use.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Total VOC emissions from all operations conducted at this facility are limited to 43.8 tons of VOC per year plus an additional 38.77 TPY from Large Part open molding manufacturing, or from closed molding processes, which include compression molding and vacuum resin infusion molding. Facility emissions include this spray booth and spray booths under district permit S008896, B002555, B002557, compression molding and mixing under district permit number B004648, and resin infusion molding combined,

based on a 12 month rolling average, as indicated in Permit Condition 7.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see Part II and Part III conditions)

4. For the purposes of calculating VOC emissions, all VOC in air dried materials used, shall be assumed to be emitted, to the atmosphere during the day of application .  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Filters shall be maintained in a tightly mounted and dimensionally stable condition free of excess deposits or interference with air flow passages.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. This equipment shall be operated in strict accord with the manufacturer's specifications or, if manufactured by the applicant, approved by the district Air Pollution Control Officer (APCO).  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. Total Facility VOC emissions shall be limited to 82.57 tons per year, based on a 12 month rolling average, provided that the following conditions a) and b) are met:
  - a. Facility VOC emissions shall not exceed 43.8 tons per year (12-month rolling average), unless compliance with condition b) is demonstrated.
  - b. If facility VOC emissions exceed 43.8 tons per year (12 month rolling average) the owner/operator must demonstrate that the increment of up to an additional 38.77 tons per year (12 month rolling average) results from only "Large Part" open molding manufacturing, as defined herein and demonstrated by recordkeeping required in section 4, or from closed molding processes, which include compression molding and vacuum resin infusion molding.

For the purpose of this permit, and in accord with MACT Standard, 40 CFR Part 63, Subpart WWWW:

A large open molding part is defined as a part that, when the final finished part is enclosed in the smallest rectangular six-sided box into which the part can fit, the total interior volume of the box exceeds 250 cubic feet, or any interior sides of the box exceed

50 square feet.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[40 CFR Part 63, Subpart WWWW]

8. The owner/operator shall comply with the polyester resin and gelcoat application technique requirements in section C(1) of MDAQMD Rule 1162, and shall not exceed the monomer limits for each applicable resin use in Table 1 in Section C(2) of MDAQMD Rule 1162.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]  
[Rule 1162 – Polyester Resin Operations, Version in SIP = Current Rule Version 8/27/2007, Approved 11/24/2008, 40 CFR 52.220(c)(354)(i)(B)(1) 11/24/2008 73 FR 70883]
9. This equipment shall comply with all the applicable requirements of this facility’s current federal operating permit including Part II - Facilitywide Applicable Requirements.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

## PART IV STANDARD FEDERAL OPERATING PERMIT CONDITIONS

### A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.  
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]
2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.  
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]
3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).  
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.  
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]
5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.  
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.  
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]
7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.  
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]

8. Owner/Operator shall furnish to District, state or federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.  
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]
9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.  
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.  
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.  
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that “only” Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).  
[40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.  
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations, which occurred prior to the issuance of this Federal Operating Permit.  
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.  
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be

construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414. [40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.  
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]
18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.  
[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]
19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.  
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]
20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.  
[40 CFR Part 82, Subpart F]
21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.  
[40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.  
[Section 113(a) of the Clean Air Act]

## PART V OPERATIONAL FLEXIBILITY

### A. ALTERNATIVE OPERATING SCENARIO(S):

Owner/operator individual State/District Permits are already conditioned to allow owner/operator-wide emissions cap and internal netting. Further, the conditions of these State/District level permits are listed within Part III of this Title V Permit. This owner/operator State/District emissions cap is federally enforceable under the conditions of this Title V Permit.

Owner/operator must comply with these already listed conditions and keep records required for a period of five (5) years from the date the data is generated, and made available to District, State or federal personnel on request.

### B. OFF PERMIT CHANGES

I. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:

A. Permittee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and

1. The proposed change is not:

- a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See 1203(E)(1)(c)(i)d.]*
- b. A modification under Title I of the Federal Clean Air Act; or
- c. A modification subject to Regulation XIII; and *[See 1203(E)(1)(c)(i) d.]*
- d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See 1203(E)(1)(c)(i)c.]*
- e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). *[See 1203(E)(1)(c)(i)e.]*

II. Procedure for “Off Permit” Changes

A. If a proposed “Off Permit Change” qualifies under Part V, Section (B)(I)(A)(1) above, permittee shall implement the change as follows:

1. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. *[See 1203(E)(1)(c)(i)b.]*
  2. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
    - a. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition; and *[See 1203(E)(1)(c)(i)b.]*
    - b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See 1203(E)(1)(c)(i)b.]*
    - c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. *[See 1203(E)(1)(c)(i)c.]*
  3. Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See 1203(E)(1)(c)(i)a.]*
- B. Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See 1203(E)(1)(c)(i)a. and g.]*
- C. Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. *[See 1203(E)(1)(c)(i)f.]*
- D. Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). *[See 1203(E)(1)(c)(i)f.]*
- III. Other Requirements:
- A. The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
  - B. The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)]*

[Rule 1203(E)(1)(c)]

## PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

### A. CONVENTIONS

The following referencing conventions are used in this federal operating permit:

- 40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS)
- 40 CFR Part 60, Appendix F, Quality Assurance Procedures
- 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- 40 CFR Part 61, Subpart M, National Emission Standards for Asbestos
- 40 CFR Part 63--National Emission Standards For Hazardous Air Pollutants For Affected Source Categories
- 40 CFR Part 72, Permits Regulation (Acid Rain Program)
- 40 CFR Part 73, Sulfur Dioxide Allowance System
- 40 CFR Part 75, Continuous Emission Monitoring
- 40 CFR Part 75, Subpart D, Missing Data Substitution Procedures
- 40 CFR Part 75, Appendix B, Quality Assurance and Quality Control Procedures
- 40 CFR Part 75, Appendix C, Missing Data Estimating Procedures
- 40 CFR Part 75, Appendix D, Optional SO<sub>2</sub> Emissions Data Protocol
- 40 CFR Part 75, Appendix F, Conversion Procedures
- 40 CFR Part 75, Appendix G, Determination of CO<sub>2</sub> Emissions

### B. OTHER CONVENTIONS:

1. Unless otherwise noted, a “day” shall be considered a 24-hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

### C. ABBREVIATIONS

Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
Btu	British thermal units
CCR	California Code of Regulations

CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH <sub>3</sub>	ammonia
NMOC	non-methane organic compounds
NO <sub>x</sub>	oxides of nitrogen
NO <sub>2</sub>	nitrogen dioxide
O <sub>2</sub>	oxygen
pH	pH (acidity measure of solution)
PM <sub>10</sub>	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO <sub>x</sub>	oxides of sulfur
SO <sub>2</sub>	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure