

*MOJAVE DESERT*  
*AIR QUALITY MANAGEMENT DISTRICT*

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*Federal Operating Permit Number: 088201634*

For: FIBER-CARE BATH, INC.

Facility: FIBER-CARE BATH, INC.

Issued Pursuant to MDAQMD Regulation XII

Effective Date:

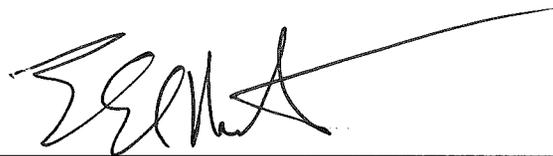
September 18, 2012

•SEE TITLE V PAGE 2 FOR PERMIT REVISION SUMMARY•

This Federal Operating Permit Expires On:

September 18, 2017

Issued By: Eldon Heaston  
Executive Director/  
Air Pollution Control Officer



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## **PERMIT REVISION HISTORY**

**January 8, 2016 – Minor Modification as follows:**

The District received an application on October 19, 2015 for the proposed modification to replace the spray systems for the lamination production buildings #1 & #2 (District Permits S007459& S011473) and the gel coat production building (District Permit S011478).

*Changes made by Sheri Haggard*

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PART I  
INTRODUCTORY INFORMATION

A. **FACILITY INFORMATION:**

Owner/Company Name: FIBER-CARE BATH, INC.

Owner Mailing Address: FIBER-CARE BATH, INC.  
9832 B Yucca Road  
Adelanto, CA 92301

Facility Names: FIBER-CARE BATH, INC.

Facility Location: 9832 B Yucca Road  
Adelanto, CA 92301

Mailing Address: FIBER-CARE BATH, INC.  
9832 B Yucca Road  
Adelanto, CA 92301

MDAQMD Federal Operating Permit Number: 088201634

MDAQMD Company Number: 0882

MDAQMD Facility Number: 01634

Responsible Official: Mr. Tom Kirkmeyer  
President  
760-246-0019

Facility "Site" Contacts: Mr. Tom Kirkmeyer  
President  
760-246-0019

Nature of Business: Fiberglass bath tubs and showers  
SIC/NAICS: 3088/326191 – Plastics Plumbing Fixture Manufacturing  
Facility Location: UTM (Km) 458.698E/3824.972N

**B. FACILITY DESCRIPTION:**

Federal Operating Permit (FOP number: 088201634) is for Fiber-Care Bath, Inc. Fiber-Care Bath, Inc., is located at 9832 B Yucca Road, in Adelanto, California. Fiber-Care Bath manufactures fiberglass (reinforce plastic composites) showers and tubs. The manufacturing process is comprised of mold preparation, gel-coat and resin laminations, and finishing under SIC Code 3088 –Plastics Plumbing Fixtures and NACIS Code 326191 - Plastics Plumbing Fixture Manufacturing. The manufacturing process begins with mold preparation. The mold is then moved to a gel-coat station/booth and VOC suppressed gel-coat is applied. The dispensing unit is an internal mix, non-atomized airless unit. The mold, coated with a gel-coat is allowed to cure for approximately twenty minutes. The mold is then moved to booth the Lamination #1 spray booth, where first lamination is applied using an internal mix, non-atomized airless dispensing unit. The first lamination also utilizes a reactive suppressant similar to that used in the gel - coat application. The mold is then moved to another spray booth (Lamination #2), where second lamination is applied. The mold is then move to a pull station where the newly formed part is hydraulically separated from the mold.

**C. EQUIPMENT LIST:**

S004768	SPRAY BOOTH - TOOLING, BUILDING #1	The booth; spray guns , the compressor, which runs the guns; mixers; and storage areas for the resins as well as solid ingredients for the finished products.
S007459	SPRAY BOOTH - LAMINATION #1, PRODUCTION BUILDING 2	Ventilated Spray Room with exhaust filters. Includes a Magnum Venus Plastech Spray System, Model FIT-C-WMB-PAT-15746-GFC-30, consisting of Pump, Mixer, and 5 spray guns. This system and associated guns are shared with Permits S011473 and S011478.
S011473	SPRAY BOOTH - LAMINATION #2, PRODUCTION BUILDING 2	Ventilated Spray Room with exhaust filters. Includes a Magnum Venus Plastech Spray System, Model FIT-C-WMB-PAT-15746-GFC-30, consisting of Pump, Mixer, and 5 spray guns. This system and associated guns are shared with Permits S007459 and S0114783.
S011478	SPRAY BOOTH, GEL COAT, PRODUCTION BUILDING 2	Ventilated Spray Room with exhaust filters. Includes a Magnum Venus Plastech Spray System, Model IMG-CM-PAT-30, consisting of Pump, Mixer, and 5 spray guns. This system and associated guns are shared with Permit S007459 and S011473.

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.  
[District Rule 203]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.  
[District Rule 203]
3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.  
[District Rule 204]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.  
[District Rule 204]
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.  
[District Rule 206]
6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.  
[District Rule 207]
7. Permits are not transferable.  
[District Rule 209]
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.  
[District Rule 217]
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 District Rule 219 and meets the applicable criteria contained in District Rule 219(B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.  
[District Rule 219]
10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.

[District Rule 221]

11. Owner/Operator shall pay all applicable MDAQMD permit fees.  
[District Rule 301]
12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.  
[District Rule 312]
13. Owner/Operator shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is
  - (a) As dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
  - (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke that is designated No. 1 on the Ringelmann Chart.[District Rule 401]
14. Owner/Operator must adhere to the provisions of District Rule 403, Fugitive Dust, including the following provisions:
  - (a) A person shall not cause or allow the emissions of fugitive dust from any transport, handling, construction or storage activity so that the presence of such dust remains visible in the atmosphere beyond the property line of the emission source (does not apply to emissions emanating from unpaved roadways open to public travel or farm roads. This exclusion shall not apply to industrial or commercial facilities).
  - (b) A person shall take every reasonable precaution to minimize fugitive dust emissions from wrecking, excavation, grading, clearing of land and solid waste disposal operations.
  - (c) A person shall not cause or allow particulate matter to exceed 100 micrograms per cubic meter when determined as the difference between upwind and downwind samples collected on high volume samplers at the property line for a minimum of five hours.
  - (d) A person shall take every reasonable precaution to prevent visible particulate matter from being deposited upon public roadways as a direct result of their operations. Reasonable precautions shall include, but are not limited to, the removal of particulate matter from equipment prior to movement on paved streets or the prompt removal of any material from paved streets onto which such material has been deposited.[District Rule 403]
15. Owner/Operator shall comply with the applicable requirements of District Rule 403.2 unless an "Alternative PM<sub>10</sub> Control Plan" (ACP) pursuant to District Rule 403.2(G) has been approved.  
[District Rule 403.2]
16. 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.

[District Rule 404]

17. 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 District 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.

[District Rule 405]

18. 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.

[District Rule 406]

19. 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.

[District Rule 407]

20. 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.

[District Rule 408]

21. 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.

[District Rule 409]

22. 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 District 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).

[District Rule 430]

23. The provisions of District Regulation IV, except District 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.

[District Rule 441]

24. The owner/operator of this facility shall meet the following emission and operating requirements:
- (a) Shall not discharge VOCs into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month at this Facility.
    - (i) Compliance with the VOC limit above may be obtained through use of any of the following or any combination thereof:
      - a. Product reformulation or substitution;
      - b. Process changes;
      - c. Improvement of operational efficiency;
      - d. Development of innovative technology;
      - e. operation of emission collection and control system that reduces overall emissions by eighty-five percent (85%).
  - (b) Shall not discharge into the atmosphere a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average. For purposes of VOC quantification, discharge

shall include a drying period of 12 hours following the application of such non-VOC solvents.

- (c) The provisions of this condition shall not apply to:
  - (i) The manufacture, transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
  - (ii) The emissions of VOCs from VOC-containing materials or equipment which are subject to District Regulation IV rules or which are exempt from air pollution control requirements by such rules.
  - (iii) The use of pesticides including insecticides, rodenticides or herbicides.
  - (iv) The use of 1,1,1 trichloroethane, methylene chloride and trichlorotrifluoroethane.
  - (v) Aerosol products.
  - (vi) VOC containing materials or equipment which is not subject to VOC limits of any rule found in District Regulation XI – Source Specific Standards.
- (d) Owner/operator shall maintain daily usage records for all VOC-containing materials subject to this condition. The records shall be retained for five years and be made available upon request. VOC records shall include but not be limited to:
  - (i) The amount, type and VOC content of each solvent used; and
  - (ii) The method of application and substrate type; and
  - (iii) The permit units involved in the operation (if any).
- (e) Determination of VOC Content in Solvent-containing materials, Presence of VOC in Clean-up Materials, or Determination of Efficiency of Emission Control Systems must be made in accordance with methods and provisions of District Rule 442.

[District Rule 442]

- 25. Owner/Operator shall not set open outdoor fires unless in compliance with District Rule 444. Outdoor fires burned according to an existing District permit are not considered “open outdoor fires” for the purposes of District Rule 444 (reference Rule 444(B)(9)).  
[District Rule 444]
- 26. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of District 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 that reduces solvent evaporation and minimizes disturbing the vapor zone.
  - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in District 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 1.
- (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 that 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.
  - (iii) 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) District Rule 442 Applicability:  
Any solvent using operation or facility which is not subject to the source-specific District Rule 1104 shall comply with the provisions of District Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of District Rule 1104 shall be subject to the applicable provisions of District Rule 442.
- (h) Solvent Usage Records:  
Owner/Operator subject to District Rule 1104 or claiming any exemption under District Rule 1104, Section (E), shall comply with the following requirements:
- (i) 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:
    - a. Product name(s) used in the degreaser, and
    - b. The mix ratio of solvent compounds mixtures of solvents are used, and
    - c. VOC content of solvent or mixture of compounds as used, and

- d. The total volume of the solvent(s) used for the facility, on a monthly basis, and
  - e. The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
- (ii) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of District Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is 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.
  - (iii) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.
  - (iv) 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.

[District Rule 1104]

27. Owner/Operator’s use of Architectural Coatings at this facility shall comply with the applicable requirements of District Rule 1113, including the VOC limits specified in District Rule 1113, part C, 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.

<b>Coating Category</b>	<b>Effective, 01/01/2013 g/L</b>
<b>Primary Coatings</b>	
Flat Coatings	50
Nonflat Coatings	100
Nonflat-High Gloss Coatings	150
<b>Specialty Coatings</b>	
Aluminum Roof Coatings	400
Basement Specialty Coatings	400
Bituminous Roof Coatings	50
Bituminous Roof Primers	350
Bond Breakers	350
Concrete Curing Compounds	350
Concrete/Masonry Sealers	100
Driveway Sealers	50

Dry Fog Coatings	150
Faux Finishing Coatings	350
Fire Resistive Coatings	350
Floor Coatings	100
Form-Release Compounds	250
Graphic Arts Coatings (Sign Paints)	500
High Temperature Coatings	420
Industrial Maintenance Coatings	250
Low Solids Coatings	120 <sub>a</sub>
Magnesite Cement Coatings	450
Mastic Texture Coatings	100
Metallic Pigmented Coatings	500
Multi-Color Coatings	250
Pre-Treatment Wash Primers	420
Primers, Sealers, and Undercoaters	100
Reactive Penetrating Sealers	350
Recycled Coatings	250
Roof Coatings	50
Rust Preventative Coatings	250
Shellacs:	
Clear	730
Opaque	550
Specialty Primers, Sealers, and Undercoaters	100
Stains	250
Stone Consolidants	450
Swimming Pool Coatings	340
Traffic Marking Coatings	100
Tub and Tile Refinish Coatings	420
Waterproofing Membranes	250
Wood Coatings	275
Wood Preservatives	350
Zinc-Rich Primers	340
a: Limit is expressed as VOC Actual (G)(1)(a)(ii)	

[District Rule 1113]

28. The owner/operator’s use of Wood Products Coatings at this facility shall comply with the applicable requirements of District Rule 1114, including the VOC limits specified in District Rule 1114, part C, Table of Standards, as listed below:
- (a) VOC Content of Coatings & Adhesives
    - (i) 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.

- (ii) Limits:

**VOC CONTENT LIMITS FOR WOOD PRODUCTS COATINGS**  
 Grams of VOC per Liter of Coating,  
 Less Water and Less Exempt Compounds (VOC Content)

<b>Coating Category</b>	<b>Effective, 07/01/05 g/L (lb/gal)</b>
Clear Sealers	275 (2.3)
Clear Topcoats	275 (2.3)
Pigmented Primers, Sealers, and Undercoats	275 (2.3)
Pigmented Topcoats	275 (2.3)
Fillers	275 (2.3)
High-Solid Stains	350 (2.9)
Inks	500 (4.2)
Mold-Seal Coatings	750 (6.3)
Multi-Colored Coatings	275 (2.3)
Low-Solids Stains, Toners and Washcoats	120 (1.0)
Adhesives	250 (2.1)

[District Rule 1114]

29. The owner/operator's use of Metal Parts and Products Coatings at this facility shall comply with the applicable requirements of District Rule 1115, including the VOC limits specified in District Rule 1115, as listed below:
- (a) 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.
- (i) VOC Content of Coatings:

VOC CONTENT LIMITS FOR METAL PARTS AND PRODUCTS COATINGS

Grams of VOC per Liter of Coating,  
 Less Water and Less Exempt Compounds

<b>Coating</b>	<b>Air Dried g/L (lb/gal)</b>	<b>Baked g/L (lb/gal)</b>
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)
<i>Prefabricated Architectural</i>		
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)
<i>High Performance</i>		
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)

[District Rule 1115]

30. Owner/Operator's Polyester Resin Operations at this facility shall comply with the applicable requirements of District Rule 1162, including the application techniques, material requirements, and process requirements, as listed below:
- (a) Application Technique
    - (i) Except for gel coats, a person shall not apply any resin materials to an open mold surface subject to the provisions of this rule unless one of the following non-atomizing application techniques is used and operated according to the manufacturer's specifications:
      - a. Non-atomizing Spray Application technique;
      - b. Flowcoaters;

- c. Pressure-Fed Rollers;
  - d. Resin Impregnators;
  - e. Hand Lay-Up applications; or
  - f. Other non-atomizing application techniques which have transfer efficiencies at least equal to one of the above methods, and which are used in a manner that the parameters under which they were tested are permanent features of the method. Prior to their use, such application shall be approved in writing by the APCO, CARB, and the USEPA.
- (ii) An operator shall not apply gel coat materials to any open mold surface subject to the provisions of this rule unless one of the following application techniques is used and operated according to the manufacturer's specifications:
- a. Any non-atomizing application technique listed in (a), above;
  - b. Air-Assisted Airless Spray;
  - c. Electrostatic Attraction; or
  - d. High-Volume, Low-Pressure (HVLP).
- (b) Material Requirements
- (i) A person shall not use polyester resin material in an Open Molding System that has a monomer content in excess of the limits specified in Table 1, below:

TABLE 1, POLYESTER RESIN LIMITS

<b>Polyester Resin Material</b>	<b>Monomer Content</b>
<i>Clear Gel Coat</i>	
For Marble Resins	40
For Other Resins	44
Boat Manufacturing	48
<i>Pigmented Gel Coat</i>	
White and Off-White	30
Non-White – Boat Manufacturing	33
Non-White – Other	37
Primer	28
Specialty Gel Coats	48
<i>General Purpose Resin</i>	
Marble Resins	10 or (32% as supplied, no fillers)
Solid Surface Resins	17
Tub/Shower Resins	24 or (35% as supplied, no fillers)
Lamination Resins	31 or (35% as supplied, no fillers)
Fire Retardant Resin	38
<i>Corrosion Resistant and/or High Strength Resin</i>	
Mechanical (non-atomizing)	46.2
Filament application	42
Manual application	40
Other Resins	35
Boat Manufacturing (Atomized)	28
Boat Manufacturing (Non-atomized)	35

- (ii) Complying formulations shall not be thinned or diluted with any VOC containing material or changed in any manner that may increase VOC emissions after testing, but prior to or during application.
- (iii) In lieu of complying with the monomer percentage limitations in Table 1, air pollution control equipment with a capture and control system Overall Control Efficiency of at least 85 percent, as determined pursuant to subsections (E)(1)(b) and (E)(1)(d) of District Rule 1162 may be used.
- (iv) A person shall not apply to an Open Molding System any Tub/Shower Resin material unless all the applied resin material is vapor suppressed.

- (c) Process Requirements
    - (i) A person shall not operate a Closed Molding System, unless the weight loss of polyester resin materials during polymerization is less than four (4) percent.
    - (ii) A person shall not perform a Pultrusion operation, unless wet-out baths are covered except for 18 inches from the exit of the bath to the die. The weight loss of polyester resin materials during polymerization shall be no less than three (3) percent in a pultrusion operation.
  - (d) Notwithstanding the requirements specified in section (a)(1), a person may perform touch-up and repair using a hand-held spray gun that has a container no larger than 1 quart for gel coat or resin as part of the gun.
  - (e) Any person processing polyester resin materials and any other VOC containing materials shall keep these materials in closed containers except when filling or emptying the container.
  - (f) A person shall not use VOC-containing materials for cleaning or clean-up, excluding coating stripping equipment cleaning, unless:
    - (i) The VOC content composite partial pressure is 45 mm Hg or less at a temperature of 20 degrees C, or
    - (ii) The material contains 200 grams or less of VOC content per liter of material, as applied.
31. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1211 (Regulation XII - *Federal Operating Permits*).  
[District Regulation XII]
32. Owner/Operator shall comply with the requirements of 40 CFR 63, Subpart A – *National Emission Standards for Hazardous Air Pollutants: General Provisions* and 40 CFR 63, Subpart WWWW – *National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production*.  
[40 CFR 63, Subpart A and WWWW]

**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.  
[District Rule 1203(D)(1)(d)(ii)]  
[40 CFR 70.6(a)(3)(ii)(B)]
- 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.  
[District Rule 204]

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.

[District Rule 204]

[40 CFR 70.6(a)(3)(B)]

[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. Owner/Operator shall submit, annually, a Compliance Certification as prescribed by District Rule 1203(F)(1) and District 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.

[District Rule 1203(D)(1)(g)(v-x)]

[District Rule 1203(D)(1)(g)(v-x)]

[40 CFR 72.90.a; 40 CFR 70.6(c)(5)(i)]

- (a) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.

[District Rule 1203(D)(1)(g)(viii)]

[40 CFR 70.6(c)(5)(ii)]

- (b) 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.

[District Rule 1203 (D)(1)(g)(x)]

- (c) 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.

[District Rule 1203 (D)(1)(g)(v - x)]

[40 CFR 72.90.a]

- (d) The annual certification period is September 18<sup>th</sup> of the previous year through September 17<sup>th</sup> of the current year, and shall be submitted with postmark no later than October 18<sup>th</sup> of each year.  
[District Rule 1203 (D)(1)(g)(v - x)]

5. The owner/operator shall submit, semi-annually, a Monitoring Report to the APCO/District. The Monitoring Reports shall be certified to be true, accurate, and complete, signed 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.
- (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.
- (e) The semi-annual reporting periods shall be submitted as follows:
  - (i) March 18<sup>th</sup> through October 18<sup>th</sup>, due with postmark no later than November 18<sup>th</sup> of each year; and,
  - (ii) October 19<sup>th</sup> through March 17<sup>th</sup>, due with postmark no later than April 17<sup>th</sup> of each year.

[District 1203(D)(1)(c)(i - iii); District 1203(D)(1)(d)(i); District Rule 1203(D)(1)(e)(i - ii); District Rule 1203(D)(1)(g)(v - x)]

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. [District Rule 1203(D)(1)(e)(ii) and District 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.  
[District Rule 430]
- (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.

[District 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 the owner/operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of District Regulation V (District Rules 501 - 518). In addition, the 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 District 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.

[District Rule 1201 (I)(3)(iii); District Rule 1203 (D)(1)(e)(ii); District 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.  
[District Rule 1203(D)(1)(g)(i)]  
[40 CFR 70.6(c)(2)(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.  
[District Rule 1203(D)(1)(g)(ii)]  
[40 CFR 70.6(c)(2)(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.  
[District Rule 1203(D)(1)(g)(iii)]  
[40 CFR 70.6(c)(2)(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.  
[District Rule 1203(D)(1)(g)(iv)]  
[40 CFR 70.6(c)(2)(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.  
[District Rule 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.  
[District Rule 1201(I)(2) and District 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. The owner/operator shall notify the APCO/District at least ten (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 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.  
[District Rule 1203(D)(1)(d)(ii)]  
[40 CFR 70.6(a)(3)(ii)(B)]
  
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.  
[District Rule 204]  
[40 CFR 70.6 (a)(3)(B)]
  
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).  
[District Rule 204]  
[40 CFR 70.6 (a)(3)(B)]

**B. EQUIPMENT SPECIFIC MONITORING, RECORD-KEEPING, REPORTING AND TESTING REQUIREMENTS APPLICABLE TO MDAQMD PERMIT UNITS S004768, S007459, S011473 AND S011478:**

1. The owner/operator (o/o) shall operate and maintain this equipment in strict accord with those recommendations of the manufacturer and/or sound engineering practices which produce the minimum emissions of contaminants.  
[District Rule 204]  
[40 CFR 70.6 (a)(3)(B)]
2. This facility shall use only vapor suppressed gel coats and resins at this facility.  
[District Rule 204]  
[40 CFR 70.6 (a)(3)(B)]
3. All spray application of gel coats and resins shall be done using only non-atomized spray equipment.  
[District Rule 204]  
[40 CFR 70.6 (a)(3)(B)]
4. This equipment shall be equipped with a functional pressure differential gauge (manometer). Pressure differential range 0.5 to 4.0 inches water column per manufacturer's specifications.  
[District Rule 204]  
[40 CFR 70.6 (a)(3)(B)]
5. This facility shall be operated and maintained in compliance with District Rules 442 and 1162 and USEPA Rules known as National Emission Standards for Hazardous Air Pollutants (NESHAP) and Maximum Achievable Control Technology (MACT) Title 40 CFR 63 subpart WWWW.  
[40 CFR 63, Subpart WWWW]
6. This facility shall only use gel coats, resins and other materials that comply with the VOC limits in District Rule 1162 Table 1 and HAP emission limit of 40 CFR 63 subpart WWWW Table 3.  
[40 CFR 63, Subpart WWWW]
7. The owner/operator shall maintain a log for the facility, which, at a minimum, contains the information specified below. This log shall be maintained for a minimum five (5) years, and shall be provided to District, state or federal personnel on request:
  - (a) Date of operation;
  - (b) Manufacturer, type, and amount (in pounds, gallons, tons, liter, etc.) of resin, coating and solvent used (preparation, thinning, cleanup or other);
  - (c) VOC and HAP(s) content of each type of resin, coating and solvent in pounds per gallon, grams per liter, percent (weight/weight), et.;
  - (d) Photochemically reactive organic solvent and organic solvent content of each type of resin, coating and solvent in pounds per gallon or grams per liter or percent (weight/weight);
  - (e) Keep daily records of VOC and HAP(s) containing materials and organic solvents used;

- (f) Total amount of VOC and HAP(s) containing materials and organic solvents used per calendar month;
  - (g) Total amount of photochemically reactive organic solvents used per day.
  - (h) Weekly log of the air filter pressure differential (manometer) gauge readings.  
[District Rule 204]  
[40 CFR 70.6 (a)(3)(B)]
8. This facility shall be limited to total VOC emissions as defined in Rule 1301 that can be released to the atmosphere from this facility shall not exceed 49,800 pounds (24.9 tons) per rolling twelve calendar month period. Emissions shall be calculated on a monthly basis using the equations in 40 CFR 63 subpart WWWW Table 1 or by equation and/or method approved by the District in writing. Exceeding this facility cap limit will trigger offsets and BACT review.  
[District Rule 1301]  
[District Rule 1303]
9. This facility shall prepare a monthly report that contains the information (data) to demonstrate compliance with Condition 7.  
[District Rule 204]  
[40 CFR 63, Subpart WWWW]
10. This facility must not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin.  
[40 CFR 63, Subpart WWWW]
11. This facility must keep containers that store VOC and/or HAP-containing materials closed or covered except during the addition or removal of materials. Bulk VOC and/or HAP-containing materials storage tanks may be vented as necessary for safety.  
[40 CFR 63, Subpart WWWW]
12. Upon request by the District, the facility must submit a facility wide accurate annual comprehensive emissions inventory data that includes all emissions from permitted, non-permitted and fugitive sources, in a format and by a calculation method approved by the District.  
[District Rule 204]
13. This facility shall be operated in compliance with all applicable requirements of District, State and Federal Rules and Regulations. In the event of conflict between Permit conditions and other requirements the most stringent shall govern.  
[District Rule 204]

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.  
[District Rule 1203(D)(1)(f)(i)]  
[40 CFR 70.6(a)(5)]
2. The 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.  
[District Rule 1203(D)(1)(f)(ii)]  
[40 CFR 70.6(a)(6)(i)]
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).  
[District Rule 1203(D)(1)(f)(iii)]  
[40 CFR 70.6(a)(6)(ii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.  
[District Rule 1203(D)(1)(f)(iv)]  
[40 CFR 70.6(a)(6)(iii)]
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.  
[District Rule 1203(D)(1)(f)(v)]  
[40 CFR 70.6(a)(6)(iii)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.  
[District Rule 1203(D)(1)(f)(vi)]  
[40 CFR 70.6(a)(6)(iv)]
7. The 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.  
[District Rule 1203(D)(1)(f)(vii)]  
[40 CFR 70.6(a)(6)(v)]

8. The 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.  
[District Rule 1203(D)(1)(f)(viii)]  
[40 CFR 70.6(a)(6)(v)]
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.  
[District Rule 1203(D)(1)(d)(ii)]  
[40 CFR 70.6(a)(3)(ii)(B)]
10. The owner/operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in District Rules 301 and 312.  
[District Rule 1203(D)(1)(f)(ix)]  
[40 CFR 70.6(a)(7)]
11. The 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.  
[District Rule 1203(D)(1)(f)(x)]  
[40 CFR 70.6(a)(8)]
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).  
[District Rule 1203(G)(1)]  
[40 CFR 70.6(f)(1)(i)]
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.  
[District Rule 1203(G)(3)(a)]  
[40 CFR 70.6(f)(3)(i)]
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.  
[District Rule 1203(G)(3)(b)]  
[40 CFR 70.6(f)(3)(ii)]
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.  
[District Rule 1203(G)(3)(c)]

- [40 CFR 70.6(f)(3)(iii)]
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.  
[District Rule 1203(G)(3)(d)]  
[40 CFR 70.6(f)(3)(iv)]
  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.  
[District Rule 1203(G)(3)(e)]  
[40 CFR 70.4(b)(12)(ii)(B)]
  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.  
[District Rule 1203(G)(3)(f)]  
[40 CFR 70.4(b)(14)(iii)]
  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.  
[District Rule 1203 (G)(3)(g)]  
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi)]
  20. If the owner/operator performs maintenance on, or services, repairs, or disposes of appliances, the 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 the owner/operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the 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

- (a) Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
    - (i) 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 District Rule 219; and
      - a. The proposed change is not:
        - 1. Subject to any requirements under Title IV of the Federal Clean Air Act; or,
        - 2. A modification under Title I of the Federal Clean Air Act; or
        - 3. A modification subject to Regulation XIII; and,
        - 4. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and,
        - 5. 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).
- [District Rule 1203(E)(1)(c)(i)]
- (b) Procedure for “Off Permit” Changes
    - (i) If a proposed “Off Permit Change” qualifies under Part V, Section (A)(I)(a) above, the permittee shall implement the change as follows:
      - a. The permittee shall apply for an Authority to Construct permit pursuant to the provisions of Regulation II.
      - b. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
        - 1. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition; and

2. A list of any new Applicable Requirements which would apply as a result of the change; and
  3. A list of any existing Applicable Requirements, which would cease to apply as a result of the change.  
[District Rule 1203(E)(1)(c)(ii)(a)&(b)]
- c. The permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District.  
[District Rule 1203(E)(1)(c)(ii)(c)]
- (ii) The permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or seven (7) days after forwarding the copy of the notice and application to USEPA whichever occurs later.  
[District Rule 1203(E)(1)(c)(ii)(e)]
  - (iii) The 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.  
[District Rule 1203(E)(1)(c)(ii)(d)(1)]
  - (iv) The permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to District Rule 1202(B)(3)(b).  
[District Rule 1203(E)(1)(c)(ii)(d)(2)]
- (c) Other Requirements:
- (i) The provisions of District Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
  - (ii) The provisions of District Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition.  
[District Rule 1203(E)(1)(c)]  
[40 CFR 70.4(b)(i)(B)]

## PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

### A. STANDARD CONVENTIONS:

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

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horse power
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
Dia.	diameter
DistrictMojave	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

PART VII  
DISTRICT SIP HISTORY AND CITATIONS

A. **DISTRICT RULE SIP HISTORY:**

1. For Rule SIP History including approval, pending approval, etc, see:  
<http://www.mdaqmd.ca.gov/Modules/ShowDocument.aspx?documentid=45>

B. **DISTRICT RULE SIP CITATIONS:**

1. District Rule SIP Citations are on the following pages.

<b>District Rule</b>	<b>Title</b>	<b>SIP Rule Version</b>	<b>Citation</b>	<b>Federally Enforceable</b>	<b>Notes</b>
203	<i>Permit to Operate</i>	1/7/77	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
204	<i>Permit Conditions</i>	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
206	<i>Posting of Permit to Operate</i>	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
207	<i>Altering or Falsifying of Permit</i>	1/9/76	[SIP: Approved 11/09/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C)]	Y	
209	<i>Transfer and Voiding of Permit</i>	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
217	<i>Provision for Sampling And Testing Facilities</i>	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	

218	<i>Stack Monitoring</i>	7/25/79	[SIP: Approved 9/28/81, 46 FR 47451, 40 CFR 52.220(c)(65)(ii)]	Y	
219	<i>Equipment Not Requiring a Written Permit</i>	SB - 6/6/77 RC - 9/4/81	SB - [SIP: Approved 11/9/78, 43 FR, 52237, 40 CFR 52.220(c)(31)(vi)(C), 40 CFR 52.220(c)(32)(iv)(C), and 40 CFR 52.220(c)(39)(ii)(B)]  RC - [SIP: Approved 7/6/82, 47 FR 29231, 40 CFR 52.220(c)(103)(xviii)(A)]	Y	
221	<i>Federal Operating Permit Requirement</i>	12/21/94	[SIP: Approved 2/5/96, 61 FR 4217, 40 CFR 52.220(c)(216)(i)(A)(2)]	Y	
301	<i>Permit Fees</i>	Not in SIP	Applicable Version = Most current amendment, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	Rule 301 is a fee rule and does not ordinarily require submission to USEPA. Various prior versions of Rule 301 were previously included in the State Implementation Plan (SIP) however USEPA removed this rule from the SIP on 01/18/02 (67 FR 2573; 40 CFR 52.220(c)(39)(iv)(C)). Therefore, this rule is not required to be a federal submittal.

312	<i>Fees for Federal Operating Permits</i>	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	
401	<i>Visible Emissions</i>	SB - 7/25/1977 RC - 2/4/1977 (subdivision (a)) RC - 10/15/82 (subdivision (b))	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(C)] RC (a) - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)] RC (b) - [SIP: Approved 10/19/84, 49 FR 41028, 40 CFR 52.220(c)(127)(vii)(C)]	Y	
403	<i>Fugitive Dust</i>	SB - 7/25/1977 RC - 7/25/1977	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(B)] RC - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)]	Y	
403.2	<i>Fugitive Dust Control for the Mojave Desert Planning Area</i>	9/22/96	[SIP: Approved 12/9/98, 63 FR 67784, 40 CFR 52.220(c)(194)(i)(H)(1)]	Y	
404	<i>Particulate Matter Concentration</i>	7/25/77	[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	

405	<i>Solid Particulate Matter, Weight</i>	7/25/77	[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
406	<i>Specific Contaminants</i>	SB - 7/25/1977 (subdivision (a)) RC - None	SB - [SIP: Approved, 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
407	<i>Liquid and Gaseous Air Contaminants</i>	5/7/76	SB - [SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C)] RC - [Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
408	<i>Circumvention</i>	5/7/76	[SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
409	<i>Combustion Contaminants</i>	5/7/76	[SIP: Approved 9/8/78; 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	

430	<i>Breakdown Provisions</i>	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	
431	<i>Sulfur Content of Fuels</i>	SB - 10/8/1976 RC - 10/8/1976	SB - [SIP: Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(B) and 40 CFR 52.220(c)(39)(ii)(B)  RC - [SIP: Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(C), 40 CFR 52.220(c)(39)(iv)(C), and 40 CFR 52.220(c)(39)(vi)(B)	Y	
442	<i>Usage of Solvents</i>	2/27/06	[SIP: Approved 09/17/2007, 72 FR 52791, 40 CFR 52.220(c)(347)(i)(C)(1)]	Y	
900	<i>Standards of Performance for New Stationary Sources</i>	2/28/11	Delegated by USEPA	Y	Adopts NSPSs by reference. See NSPSs Delegation Listing.
1000	<i>National Emissions Standards from Hazardous Air Pollutants</i>	2/28/11	Delegated by USEPA	Y	Adopts NESHAPs by reference. See NESHAP Delegation Listing.

1104	<i>Organic Solvent Degreasing Operations</i>	9/28/94	[SIP: Approved: 4/30/96, 61 FR 18962, 40 CFR 52.220(c)(207)(I)(D)(2)]	Y	
1113	<i>Architectural Coatings</i>	4/23/12	[SIP: Approved: 1/03/14, 79 FR 364, 40 CFR 52.220(c)(428)(i)(C)]	Y	
1115	<i>Metal Parts and Products Coating Operations</i>	4/22/96	[SIP: Approved 12/23/97, 62 FR 67002, 40 CFR 52.220(c)(239)(i)(A)(2)]	Y	
1161	<i>Cement Kilns</i>	3/25/02	[SIP: Approved 1/2/02, 67 FR 19, 40 CFR 52.220(c)(287)(i)(A)(1)]	Y	
1302	<i>NSR - Procedure</i>	3/25/96	[SIP: Approved 11/13/1996, 61 FR 58133, 40 CFR 52.220(c)(239)(i)(A)(1)]	Y	
Regulation XII	<i>Federal Operating Permits</i>	1201-1210: 9/26/05 1200 & 1211: 2/28/11	SIP: Not SIP. Final 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]		