



FEDERAL OPERATING PERMIT

Permit No.: **88201364**

Company: **Fiber-Care Bath, Inc.**

Facility: **Fiber-Care Bath, Inc.**

Issue date: **April 30, 2019**

Expiration date: **April 30, 2024**

**MOJAVE DESERT
AIR QUALITY
MANAGEMENT
DISTRICT**

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A handwritten signature in blue ink, appearing to read "Brad Poiriez", is written over a horizontal line.

Signed and issued by

BRAD POIRIEZ

EXECUTIVE DIRECTOR/

AIR POLLUTION CONTROL OFFICER

PERMIT REVISION HISTORY

March 1, 2019– Renewal of Permit

- Updated Section II
- Added hard dates for annual compliance certification, semi-annual monitoring reports and MACT reporting deadlines

Changes made by Roseana Brasington

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.
Facility Names: Fiber-Care Bath, Inc.
Facility Location: 9832 B Yucca Road
Adelanto, CA 92301

Mailing Address: 9832 B Yucca Road
Adelanto, CA 92301

Federal Operating Permit Number: 082201634

MDAQMD Company Number: 822

MDAQMD Facility Number: 1634

Responsible Official: Mr. Tom Kirkmeyer
President
760-246-0019
Email: tom.kirkmeyer@fibercarebaths.com

Facility "Site" Contact(s): Mr. Tom Kirkmeyer
President
760-246-0019
Email: tom.kirkmeyer@fibercarebaths.com

Facility "Off Site" Contact(s): None

Nature of Business: Fiberglass Bathtub and Shower Manufacturer
SIC/NAICS Code: 3088/326191 – Plastics Plumbing Fixture Manufacturing

Facility Coordinates 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 DESCRIPTION:

<i>District Permit Number:</i>	<i>Permit Description:</i>	<i>Permit Equipment Details:</i>
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 to construct is required to build, erect, install, alter or replace any equipment, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce or control the issuance of air contaminants.
[District Rule 201 - *Permits to Construct*]
 2. A permit is required to operate this facility. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.
[District Rule 203 - *Permit to Operate*]
 3. The Air Pollution Control Officer may impose written conditions on any permit.
[District Rule 204 - *Permit Conditions*]
 4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[District Rule 204 - *Permit Conditions*]
 5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.
[District Rule 206 - *Posting of Permit to Operate*]
 6. Owner/Operator shall not willfully deface, alter, forge or falsify any permit issued under District rules.
[District Rule 207 - *Altering or Falsifying of Permit*]
 7. Permits are not transferable.
[District Rule 209 - *Transfer and Voiding of Permit*]
 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. In the event of such requirements, the Air Pollution Control Officer shall notify the Owner/Operator in writing of the required size, number and location of sampling ports; the size and location of the sampling platform; the access to the sampling platform, and the utilities for operating the sampling and testing equipment. The platform and access shall be constructed in accordance with the General Industry Safety Orders of the State of

California.

[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 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: District Rule 219 - *Equipment Not Requiring a Written Permit*]
10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[District Rule 221 - *Federal Operating Permit Requirement*]
11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[District Rule 301 - *Permit Fees*]
12. Owner/Operator shall pay all applicable MDAQMD Title V permit fees.
[District Rule 312 - *Fees for Federal Operating Permits*]
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 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 supplier's 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.
 - (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 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.

[District Rule 204 - *Permit Conditions*]

[District Rule 401 - *Visible Emissions*]

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

14. Owner/Operator shall not burn any PUC quality natural gas fuel at this facility containing sulfur compounds in excess of 800 ppm calculated as hydrogen sulfide at standard conditions, or any diesel fuel having a sulfur content in excess of 0.5 percent by weight. Compliance with Rule 431 sulfur limit for PUC quality natural gas fuel shall be by the exclusive use of utility grade/pipeline quality natural gas. Records of natural gas supplier fuel quality/sulfur content limit shall be kept on-site for review by District, state or federal personnel at any time. Compliance with Rule 431 sulfur limit for diesel fuel shall be determined by keeping records of the diesel fuel supplier's fuel analysis guarantee showing fuel sulfur content. 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 431 - *Sulfur Content of Fuels*]
[40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*]
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.
[District Rule 403 - *Fugitive Dust*]
16. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in District 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 diesel or PUC quality natural gas 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 - *Particulate Matter Concentration*]
17. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter 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 - *Solid Particulate Matter, Weight*]
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 (SO₂) greater than or equal to 500 ppm by volume.

[District Rule 406 - *Specific Contaminants*]
[40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*]
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 - *Liquid and Gaseous Air Contaminants*]

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 which 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 - *Circumvention*]

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 (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes.

[District Rule 409 - *Combustion Contaminants*]

22. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which 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 which 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.

[SIP Pending: District Rule 430 - *Breakdown Provisions*]

23. Owner/Operator of this facility shall comply with all applicable requirements of District Rule 442 and must 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 - *Usage of Solvents*]

24. 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 and which utilize volatile organic solvents. 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 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 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.
 - (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 carry-out 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 either 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 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 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:
- (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 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 - *Organic Solvent Degreasing Operations*]

25. 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 Table 1 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.

Coating Category	Effective, 01/01/2013
Primary Coatings	
Flat Coatings	50
Nonflat Coatings	100
Nonflat-High Gloss Coatings	150
Specialty Coatings	
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 _a
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)	

Table 2
 VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

Effective January 1, 2013 the coating categories in Table 2 are eliminated and will be subject to the VOC limit of the applicable category in Table 1, except as provided in Section (C)(2), (C)(3), and (C)(5) of Rule 1113.

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.

Coating Category	Effective 02/24/2003
Antenna Coatings	530
Antifouling Coatings	400
Clear Wood Coatings	
Clear Brushing Lacquers	680
Lacquers (including lacquer sanding sealers)	550
Sanding Sealers (other than lacquer sanding sealers)	350
Varnishes	350

Fire-Retardant Coatings:	
Clear	650
Opaque	350
Flow Coatings	420
Quick-Dry Enamels	250
Quick-Dry Primers, Sealers, and Undercoaters	200
Swimming Pool Repair and Maintenance Coatings	340
Temperature-Indicator Safety Coatings	550
Waterproofing Sealers	250
Waterproofing Concrete/Masonry Sealers	400

[District Rule 1113 - *Architectural Coatings*]

26. 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)

Coating Category	Effective, 07/01/05 g/L (lb/gal)
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]

27. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of Rule 1115 by using equipment properly operated according to manufacturer's suggested guidelines using one or more of the following methods:
- (a) Electrostatic attraction.
 - (b) High Volume Low Pressure (HVLV) spray equipment.
 - (c) Dip coat.
 - (d) Hand Application Methods.

[District Rule 1115 - *Metal Parts and Products Coating Operations*]

28. 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 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:

VOC CONTENT LIMITS FOR METAL PARTS AND PRODUCTS
 (Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

Coating	Air Dried g/L (lb/gal)	Baked g/L (lb/gal)
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]

29. The owner/operator shall comply with the polyester resin and gelcoat application technique requirements in section C(2) 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.

Material	Weight Average Monomer VOC content (weight percent) limit
General Purpose Polyester Resin	
Marble Resin	10 % (32% as supplied, no Fillers)

Solid Surface Resin	17%
Tub/Shower Resin	24% (35% as supplied, no Fillers)
Lamination Resin	31% (35% as supplied, no Fillers)
Tooling Resin	
Atomized (spray)	30%
Non-Atomized	39%
Specialty Resin	
Fire Retardant	38%
High-Strength*	
Mechanical (Non-Atomizing)	46.2%
Filament Application	42%
Manual Application	40%
Corrosion-Resistant	48%
All other Resin	35%
Tooling Gel Coat	40%
Pigmented Gel Coat	
White and Off -White	30%
Non-White	37%
Primer	28%
Clear Gel Coat for use with Marble Resin	40%
Clear Gel Coat for use with Other Resin	44%
Specialty Gel Coat	48%
Conductive Gel Coat	42%

- (a) all Tub/Shower Resin material applied in an Open Mold Process shall be Vapor Suppressed Resin
- (b) Resins and Gel Coats used for Touch-Up, Repair, or Small Jobs, may have a Monomer content limit up to ten percent (10%) more than the applicable limit in Table 1. Such Resins or Gel Coats shall only be applied by a hand-held Atomized spray gun which has a container no larger than one (1) quart for the Resin or Gel Coat as part of the gun. Resins or Gel Coats applied by another method shall comply with the applicable limit in Table 1. Total material use for all Small Jobs at a Facility shall not exceed two (2) gallons per day.
- (c) 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.

[Rule 1162 – Polyester Resin Operations]

- 30. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*).
[Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
- 31. 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 for Reinforced Plastic Composites Production*.
[40 CFR 63, Subpart A and WWWW]
- 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]

- (e) The annual Compliance Certification shall be submitted as follows:

Report covering January 1 – December 31	Due by January 31
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The first annual report submitted on the schedule above shall include the period commencing from the end of the last report submitted through December 31 of the following year and shall be due on January 31 of that year.

- 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:

Report covering January 1 – June 30	Due by July 31
Report covering July 1 – December 31	Due by January 31

The first semi-annual Monitoring Report submitted on the schedule above shall include the period commencing from the end of the last report submitted through June 30 of the following year and shall be due on July 31 of that 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.

Report covering January 1 – June 30	Due by July 31
Report covering July 1 – December 31	Due by January 31

The first semi-annual Compliance Report submitted on the schedule above shall include the period commencing from the end of the last report submitted through June 30 of the following year and shall be due on July 31 of that year.

[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. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with airflow passages. Differential pressure drops across the discharge filters shall be maintained in accordance with the manufacturer's specifications with readings between 0.02 inches of water column and 0.32 inches of water column while the booth is in operation.
[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, filler 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.;
 - (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) Weekly log of the air filter pressure differential (manometer) gauge readings.
 - (h) Certifications of analysis from the Polyester Resin manufacturer(s) to verify that all applied Tub/Shower Resin Materials are Vapor Suppressed
- [District Rule 204]
[District Rule 1162]
[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 8.
[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. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]
13. 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 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]

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:

1. 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 District Rule 219; and
 - (i) The proposed change is not:
 - a. Subject to any requirements under Title IV of the Federal Clean Air Act; or,
 - b. A modification under Title I of the Federal Clean Air Act; or
 - c. A modification subject to Regulation XIII; and,
 - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and,
 - 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).
[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 SO₂ Emissions Data Protocol
- 40 CFR 75, Appendix F, Conversion Procedures
- 40 CFR 75, Appendix G, Determination of CO₂ 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 ₂	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 ₃	ammonia
NMOC	non-methane organic compounds
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
O ₂	oxygen
pH	pH (acidity measure of solution)
PM ₁₀	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 _x	oxides of sulfur
SO ₂	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://mdaqmd.ca.gov/home/showdocument?id=182>

B. DISTRICT RULE SIP CITATIONS:

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

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
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	
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	

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
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 - 7/25/1977RC - 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	

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
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>	N/A	SIP Pending: as amended 07/22/1996 and submitted 10/18/1996	?	
404	<i>Particulate Matter Concentration</i>		[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
405	<i>Solid Particulate Matter, Weight</i>		[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	Y	

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
			25684, 40 CFR 52.220(c)(32)(iv)(A)]		
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 - ?	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	
441	<i>Research Operations</i>		SIP: Not SIP: District Rule 441 – <i>Research Operations</i> Disapproved 1/16/81 and 40 CFR 52.272(a)(9)(i)]	N	
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	
444	<i>Open Outdoor Fires</i>	9/25/06	[SIP: Approved 10/31/2007, 72 FR 61525, 40 CFR 52.220(c)(350)(B)(1)]	Y	
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	
1114	<i>Wood Products Coating Operations</i>	11/25/96	[SIP: Approved: 08/18/98, 63 FR 44132, 40 CFR 52.220(c)(244)(i)(C); Approved 61 FR 18962, 04/30/96]	Y	

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
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	
1116	<i>Automotive Finishing Operations</i>	8/23/10	[SIP: Approved 8/9/12, 77 FR 47536, 40 CFR 52.220(c)(388)(i)(F)(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>		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]		
1162	<i>Polyester Resin Operations</i>	8/27/2007:	SIP: Approved 11/24/2008; 40 CFR 52.220(c)(354)(i)(B)(1).	Y	
1162	<i>Polyester Resin Operations</i>	4/23/2018	SIP Pending. SIP Submittal Date to EPA 7/5/2018	Y	By design, the weight average monomer VOC content (weight percent) limits are at least as stringent as the RPC MACT/NESHAP Limitations. Included in RACT SIP Submittal. Expect approval in 2019.