MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit 121902118

For:

Unlimited Performance Products

Facility:

Unlimited Performance Products

Issue Date: January 30, 2019

Expiration Date: January 29, 2024

Issued by:

Brad Poiriez

Executive Director/

Air Pollution Control Officer

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Permit Revisions

August 2024 - Permit ~~Major~~~~Minor~~Renewal ~~Modification~~ and NSR Modification. See SLFB for comprehensive analysis of Title V Permit updates.
Changes made by Kent Christensen

December 2018 - Permit Renewal. See SLFB for comprehensive analysis of Title V Permit updates.
Changes made by Chris Anderson

TABLE OF CONTENTS

PART I
INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name:	Unlimited Performance Products
Facility Names:	Unlimited Performance Products
Facility Location:	8770 Caliente Road, Hesperia, CA 92345
Mailing Address:	8770 Caliente Road, Hesperia, CA 92345
Federal Operating Permit Number:	121902118
MDAQMD Company Number:	1219
MDAQMD Facility Number:	2118
Responsible Official:	Nick Adams Owner 760-948-0055
Facility "Site" Contact(s):	Nick Adams Owner 760-948-0055 net55@aol.com
Facility "Off Site" Contact(s):	None
Nature of Business:	Fiberglass Automobile Parts Manufacturer Fiberglass Composite Boat Manufacturer
SIC/NAICS Code:	3714/336390 – Fiberglass Automobile Parts 3732/336612 – Boat Building and Repairing
Facility Coordinates	UTM (km) 462.801E/3807.788N 34.41065 degrees Latitude, -117.400515 degrees Longitude

B. DESCRIPTION OF FACILITY:

For automotive parts manufacturing: A fiberglass mold of the automobile part is sprayed with a mixture of gel coat and catalyst using a spray gun in the spray booth. The gel coat then hardens at ambient temperature. Next, hand lay-up of fiberglass and polyester resin is carried out in the fiberglass lay-up room. Polyester resin is applied by brush in the hand lay-up operation.

For boats manufacturing: A fiberglass mold of a boat component is sprayed with a mixture of gel coat and catalyst using a spray gun. After the gel coat is hardened, vinyl ester or polyester ester resin is applied by wet-out guns or hand lay-up as laminations layers. After the lamination layers cure, boat components are then assembled into boat sections using adhesive and resin applications. These boat sections are further integrated to form the actual boat. The boat is then worked on to increase its aesthetic value followed by quality control/quality assurance. Finally, the boat is shipped out to customers.

UPP is a federally Major (Title V) facility because~~...~~ the Facility has a Potential to Emit (PTE) greater than ten tons per year of a single Hazardous Air Pollutant (styrene). Additionally UPP is a ~~X~~ minor facility under NSR.

C. EQUIPMENT DESCRIPTION:

Spray Application Equipment, MDAQMD Permit # S008265:
Mondragon, Model PFDF 16-10-27 floor style type spray booth, 27' long x 16' wide x 10' high, with 46 - 20" x 20" paint arrestor filter cells; 5 hp exhaust fan.

Spray Application Equipment, MDAQMD Permit # S007781:
Spray Zone, Inc., Model SZ-FAF50S, 50' 4" long x 27' wide x 17' 8" high, with 56 - 20" x 20" x 2" exhaust filters, and 2 - 7.5 hp exhaust fans.

Spray Application Equipment, MDAQMD Permit # S007782:
Binks, Model 30-720, 14' 0" long x 13' 6" wide x 9' 0" high, with 18 - 20" x 20" x 2" exhaust filters, and 2 hp exhaust fan.

Portable Spray Gun, Fiberglass Operations, MDAQMD Permit # P015080:
GS Manufacturing, Model LW05, exhausted through two banks of filters, each 20 feet wide x 42 inches high, with 24 filters – each 20" x 20" x 2", and TBD hp exhaust fan producing TBD SCFM.

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 person shall not operate or use any equipment, the use of which may cause the issuance of air contaminants or the use of which may reduce or control the issuance of air contaminants, without first obtaining a written permit from the Air Pollution Control Officer or except as provided in District Rule 202.
[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. 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.
[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 described in subsection (a) of this rule.

[District Rule 204; District Rule 401*;* 40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements*]*

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 Rule 403.2 unless an "Alternative PM_{10} Control Plan" (ACP) pursuant to 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 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_2), 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_2) at standard conditions averaged over a minimum of ~~25~~ 15 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 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 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 District Rule 442, 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 trichlorotrifluroethane.
        (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]

24. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered "open outdoor fires" for the purposes of Rule 444 (reference Rule 444(B)(9)). [District Rule 444]

25. 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, which 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^{o}C (120^{o}F) shall operate with a freeboard ratio equal to or greater than 0.75.
        (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one.
    (d) Cold Solvent Degreasers – Cover Requirements:
        (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.
    (e) Cold Solvent Degreasers – Solvent Level Identification:
        (i) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
    (f) All Degreasers shall comply with the following operating requirements:
        (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
        (ii) Degreasers shall not be operating with any detectable solvent leaks.
        (ii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.

(iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; or a federally or state licensed facility to treat, store or dispose of such waste; or the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.

(v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.

(vi) Solvent carryout shall be minimized by the following methods:

a. Rack workload arranged to promote complete drainage

b. Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.

c. Retain the workload inside of the vapor zone until condensation ceases.

d. Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.

e. Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)

(vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.

(viii) Except for sealed chamber degreasers, all solvent agitation shall be by 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 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 volatile organic compound (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 Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data are recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.

(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 (Reference District Rule 1203(D)(1)(d)(ii)).
[District Rule 1104]

26. 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[a] 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.

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS		
Coating Category	**Current Limit**	**Effective 01/01/2022**
Primary Coatings	----	----
Flat Coatings	50	
Nonflat Coatings	100	50
Specialty Coatings	----	----
Aluminum Roof Coatings	400	100
Basement Specialty Coatings	400	
Bituminous Roof Coatings	50	
Bituminous Roof Primers	350	
Bond Breakers	350	
Building Envelope Coatings		50
Concrete Curing Compounds	350	
Concrete/Masonry Sealers	100	
Driveway Sealers	50	
Dry Fog Coatings	150	50
Faux Finishing Coatings	350	
Fire Resistive Coatings	350	150
Floor Coatings	100	50
Form-Release Compounds	250	100
Graphic Arts Coatings (Sign Paints)	500	
High Temperature Coatings	420	
Industrial Maintenance Coatings	250	
Low Solids Coatings [a]	120	
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:	----	----
Exterior/Dual	250	100
Interior	250	100
Stone Consolidants	450	
Swimming Pool Coatings	340	
Tire and Stone Sealers	100	
Traffic Marking Coatings	100	
Tub and Tile Refinish Coatings	420	
Waterproofing Membranes	250	100
Wood Coatings	275	
Wood Preservatives	350	
Zinc-Rich Primers	340	
a: Limit is expressed as VOC Actual		

Table 2
VOC CONTENT LIMITS FOR COLORANTS

(b) Limits are expressed as VOC Regulatory.

Coating Category	**Effective 01/01/2022**
Architectural Coatings, excluding Industrial Maintenance Coatings	50
Solvent-Based Industrial Maintenance Coatings	600
Waterborne Industrial Maintenance Coatings	50
Wood Coatings	600

[a]: Limit is expressed as VOC Actual, as defined in Rule 1301(G)(1)(a)(ii)

~~**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/Masonary 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~~
~~**Coating Category**~~	~~**Effective, 01/01/2013**~~
~~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]

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

(a) VOC Content of Coatings & Adhesives

(i) Limits for VOC Content of Coatings & Adhesives for New Wood Products:

Any Owners and/or Operators of Wood Products Coating Application Operations shall not apply any Coating or Adhesive to a New Wood Product if such materials have a VOC Content exceeding the applicable limits specified in the table below. The VOC Content of Coatings, including Low-Solids Stains, Toners, Washcoats and Solvents, shall be determined in accordance with District Rule 1114. VOC limits expressed in grams VOC per liter of Coating shall be used. In lieu of complying with the VOC content limitations above, air pollution control equipment with a capture and control system combined efficiency of at least 90 percent may be used. Any Coating subject to this rule that meets the VOC Content limit (grams per liter or pounds per gallon [lb/gal]) is in compliance with this subsection.

~~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.~~

(Grams of VOC per liter of coating, less water and less exempt compounds)	
Coating Category	**Effective, 01/31/2019 g/L (lb/gal)**
General	275 (2.3)
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	750 (6.3)
Multi-Colored Coatings	275 (2.3)
Low-Solids Stains, Toners and Washcoats	120 (1.0)
Adhesives	250 (2.1)
Conversion Varnish	550 (4.6)

(ii) Limits for VOC Content of Coatings & Adhesives for Refinishing, Repairing, Preserving or Restoring Wood Products:
Any Owners and/or Operators of Wood Products Coating Application Operations shall not apply a coating to refinish, repair, preserve or restore a wood product if such materials have a VOC Content exceeding the applicable limits specified in the table below. The VOC Content of Coatings, including Low-Solids Stains, Toners, Washcoats and Solvents, shall be determined in accordance with District Rule 1114. VOC limits expressed in grams VOC per liter of Coating shall be used. In lieu of complying with the VOC content limitations above, air pollution control equipment with a capture and control system combined efficiency of at least 90 percent may be used. Any Coating subject to this rule that meets the VOC Content limit (grams per liter or pounds per gallon [lb/gal]) is in compliance with this subsection.

(Grams of VOC per liter of coating, less water and less exempt compounds)	
Coating Category	**g/L (lb/gal)**
General	420 (3.5)
Clear Topcoats	680 (5.7)
Conversion Varnishes	550 (4.6)
Fillers	500 (4.2)
High-Solids Stains	700 (5.8)
Inks	500 (4.2)
Medium Density Fiberboard (MDF) Coatings	680 (5.7)
Mold-Seal Coating	750 (6.3)
Multi-Colored Coatings	680 (5.7)
Pigmented Coatings	600 (5.0)
Sealers	680 (5.7)
Low-Solids Stains, Toners and Washcoats	480 (4.0)
Any other Low Solids Coatings	480 (4.0)

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

Coating	On and After 7/1/2005 g/L (lb/gal)
Clear Sealers	275 (2.3)
Clear Topcoat	275 (2.3)
Pigmented Primers, Sealers and Undercoats	275 (2.3)
Pigmented Topcoats	275 (2.3)

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

Coating	On and After 7/1/2005 g/L (lb/gal)
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]

28. Owner/Operator's use of *Metal Parts and Products Coatings* at this facility shall comply with the applicable requirements of Rule 1115, including but not limited to, the VOC limits specified in 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~~ 90 percent:

(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 One-Component*	340 (2.8)	420 (3.5)
General Multi-Component*	340 (2.8)	360 (3.0)
Military Specification	340 (2.8)	275 (2.3)
Etching Filler	420 (3.5)	275 (2.3)
Solar-Absorbent	420 (3.5)	360 (3.0)
Heat-Resistant	420 (3.5)	360 (3.0)
High-Gloss	420 (3.5)	420 (3.5)
Extreme High-Gloss	420 (3.5)	420 (3.5)
Metallic	420 (3.5)	420 (3.5)
Extreme Performance	420 (3.5)	420 (3.5)
Prefabricated Architectural One-Component	420 (3.5)	420 (3.5)
Prefabricated Architectural Multi-Component	420 (3.5)	420 (3.5)
Touch Up	420 (3.5)	420 (3.5)
Repair	420 (3.5)	420 (3.5)
Silicone-Release	420 (3.5)	420 (3.5)
High-Performance Architectural	420 (3.5)	420 (3.5)
Camouflage	420 (3.5)	420 (3.5)
Vacuum-Metalizing	420 (3.5)	420 (3.5)
Mold-Seal	420 (3.5)	420 (3.5)
High-Temperature	420 (3.5)	420 (3.5)
Electric-Insulating Varnish	420 (3.5)	420 (3.5)
Pan-Backing	420 (3.5)	420 (3.5)
Pretreatment Wash Primer	420 (3.5)	420 (3.5)
Clear	520 (4.3)	520 (4.3)

Drum (New, Exterior)	340 (2.8)	340 (2.8)
Drum (New, Interior)	420 (3.5)	420 (3.5)
Drum (Reconditioned, Exterior)	420 (3.5)	420 (3.5)
Drum (Reconditioned, Interior)	500 (4.2)	500 (4.2)
Chemical Agent Resistant	420 (3.5)	420 (3.5)
**A General Coating is a Coating that does not meet a specific Coating category definition and is assumed to be a general use Coating and subject to the VOC limit for a General Coating.*		

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

[District Rule 1115]

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

Automotive Coating Categories and VOC Limits

	VOC Regulatory Limit, as applied, in grams per Liter (pounds per gallon)
Coating Categories	**Effective on and after 7/1/2011**
Adhesion Promoter	540 (4.5)
Clear Coating	250 (2.1)
Color Coating	420 (3.5)
Multi-color Coating	680 (5.7)
Pretreatment Coating	660 (5.5)
Primer	250 (2.1)
Primer Sealer	250 (2.1)
Single-stage Coating	340 (2.8)
Temporary Protective Coating	60 (0.5)
Truck Bed Liner Coating	310 (2.6)
Underbody Coating	430 (3.6)
Uniform Finish Coating	540 (4.5)
Any Other Coating Type	250 (2.1)

Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and Exempt Compounds, as applied to the Motor Vehicle, Mobile Equipment, or Associated Parts or Components.

[Rule 1116 - *Automotive Finishing Operations*]

30. Owner/Operator's use of *Reinforced Plastic Composites* at this facility shall comply with all of the applicable requirements of Rule 1162, including the VOC limits specified in Rule 1162, as listed below;

(a) Owner/Operator shall comply with one of the process or control requirements listed below in (1) and (2):

(i) Use materials in an Open Molding Process that comply with the limits in Table 1. In addition to complying with Table 1 limits, the non-Monomer VOC content of each Resin and Gel Coat shall not contain more than five percent (5%) by weight of the Resin or Gel Coat.

Table 1*
Monomer Content for Open Molding Resin and Gel Coat Process

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%

*Facilities that apply High-Strength Resins using Non-Atomized mechanical Application may use the same Resin for Manual Application during product assembly and/or reinforcement tie-ins, provided that the High-Strength Resin used for both application methods does not exceed the 46.2% Monomer content limit.

(ii) 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. (e) 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.

[District Rule 1162(C)(1)(a) and (d)

31. Owner/Operator's use of *Reinforced Plastic Composites* in Fiberglass Boat Manufacturing Operations at this facility shall comply with the applicable requirements of Rule 1162, including those listed below;

Table 2
Monomer VOC Limits for Open Molding Resin and Gel Coat Process for Fiberglass Boat Manufacturing Operations

Material	Application Method	Weight Average Monomer VOC content (weight percent) limit
Production Resin	Atomized (spray)	28%
Production Resin	Non-Atomized	35%
Pigmented Gel Coat	Any method	33%
Clear Gel Coat	Any method	48%
Tooling Resin	Atomized (spray)	30%
Tooling Resin	Non-Atomized	39%
Tooling Gel Coat	Any method	40%

(a) Table 2 materials used for part or Mold Repair and Touch-Up are exempt from Monomer VOC limits so long as they don't exceed one percent (1%) by weight of all Resin and Gel Coat used at a Facility on a 12-month rolling-average basis

(b) Table 2 Monomer and non-Monomer VOC limits shall not be applied to pure, 100-percent Vinylester Resin used for Skin Coats.

(i) Pure, 100-percent Vinylester Resin used for Skin Coats shall be applied with Non-Atomizing Resin Application Equipment.

(ii) The total amount of pure, 100-percent Vinylester Resin used for Skin Coats shall not exceed five percent (5%) by weight of all Resin used at a Facility on a 12-month rolling average.

[District Rule 1162(C)(3)]

32. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1211 (Regulation XII - *Federal Operating Permits*).

33. 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 VVVV – *National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing*.
[40 CFR 63, Subpart A and VVVV]

34. 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]

B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title 5 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 qualified District, CARB or EPA personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); District Rule 1203(D)(1)(d)(ii)]

2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual.* Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.
[District Rule 204]

3. Owner/Operator shall submit, annually, a *Compliance Certificatio*n as prescribed by District Rules 1203(F)(1) and 1208. The *Compliance Certification*, submitted 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(F)(1); District Rule 1208]

[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.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]

(b) Owner/Operator when submitting any *Compliance Certification(s*) to the MDAQMD shall contemporaneously submit such *Compliance Certification(s)* to USEPA.
[40 CFR 70.6(5)(iii); Rule 1203(D)(1)(g)(ix)]

(c) Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[Rule 1203 (D)(1)(g)(x)]

(d) The annual certification period is January 1st through December 31st and shall be submitted no later than January 31st of each year.

4. Owner/Operator shall submit, on a semi-annual basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. This *Monitoring Report* shall be certified to be true, accurate, and complete by "The Responsible Official" and shall include the following information and/or data:

(a) Summary of deviations from any federally enforceable requirement in this permit.

(b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.

(c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.

(d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.

(e) The semi-annual reporting period shall be submitted as follows:

(i) January 1st through June 30th, due no later than July 31st of each year; and.

(ii) July 1st through December 31st, due no later than January 31st of each year.

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

5. Owner/Operator shall promptly report all deviations from federal operating permit requirements including, but not limited to; any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation

and any corrective action or preventative measures taken as a result of the deviation. [Rule 1203(D)(1)(e)(ii) and Rule 430(C)]

Prompt reporting shall be determined as follows:

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

(b) Other deviations from permit conditions not involving excess emissions of air contaminants shall be reported to the District with any required monitoring reports at least every six (6) months.
[Rule 1203(D)(1)(e)(i)]

6. If any facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5-year permit term, then owner/operator shall obtain a *Schedule of Compliance*. In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with 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 Rules 1201 (I)(3)(iii); 1203 (D)(1)(e)(ii); 1203 (D)(1)(g)(v)]

C. FACILITYWIDE COMPLIANCE CONDITIONS:

1. Subject to safety, security, and operational considerations, 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, upon presentation of credentials and other documents as may be required by law.
[40 CFR 70.6(c)(2)(i); District Rule 1203(D)(1)(g)(i)]

2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); District Rule 1203(D)(1)(g)(ii)]

3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); District Rule 1203(D)(1)(g)(iii)]

4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); District Rule 1203(D)(1)(g)(iv)]

5. Owner/Operator shall remain in compliance with all 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 Rules 1201 (I)(2) and 1203(D)(1)(g)(v)]

7. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CRF 61, National Emission Standards for Hazardous Air Pollutants, subpart A, General Provisions, and with the requirements of 40 CFR 61.140 through 61.157 of subpart M, Asbestos for all demolition and renovation projects.
[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. The 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 be 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) The facility must determine the appropriate organic HAP (commonly styrene and methyl methacrylate) emission factors and calculate the facility's organic HAP emissions from all reinforced plastic composites production operations using the equations found in Table 1 of Subpart WWWW to 40 CFR 63. The necessary calculations must be completed within 30 days after the end of each month. [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.

Semi-Annual Report	Reporting Period	Due Date	Submit to
MACT: Semiannual monitoring (40 CFR 63, WWWW)	January 1 – June 30	July 31	MDAQMD
MACT: Semiannual monitoring (40 CFR 63, WWWW)	July 1 – December 31	January 31	MDAQMD

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 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*]

11. The Owner/Operator must comply with the standards in 40 CFR 63, Subpart VVVV by the compliance dates specified in Table 1 of Appendix A (40 CFR 63, Subpart VVVV).
[40 CFR 63.5695]

12. 40 CFR 63, Subpart VVVV Emission Limits for Open Molding and Gel Coat Operations
(a) The Owner/Operator must limit organic HAP emissions from the five open molding operations listed in paragraphs (a)(1) through (5) of this section to the emission limit specified in paragraph (b) of this section. Operations listed in paragraph (d) are exempt from this limit.
(1) Production resin.
(2) Pigmented gel coat.
(3) Clear gel coat
(4) Tooling resin
(5) Tooling gel coat
(b) The Owner/Operator must limit organic HAP emissions from open molding operations to the limit specified by equation 1 of this section, based on a 12-month rolling average.

$$HAP\ Limit = [46(M_R) + 159(M_{PG}) + 291(M_{CG}) + 54(M_{TR}) + 214(M_{TG})] \quad (Eq.\ 1)$$

Where:

HAP Limit = total allowable organic HAP that can be emitted from the open molding operations, kilograms

M_R = mass of production resin used in the past 12 months, excluding any materials exempt under paragraph (d) of this section, megagrams.

M_{PG} = mass of pigmented gel coat used in the past 12 months, excluding any materials exempt under paragraph (d) of this section, megagrams.

M_{CG} = mass of clear gel coat used in the past 12 months, excluding any materials exempt under paragraph (d) of this section, megagrams.

M_{TR} = mass of tooling resin used in the past 12 months, excluding any materials exempt under paragraph (d) of this section, megagrams.

M_{TG} = mass of tooling gel coat used in the past 12 months, excluding any materials exempt under paragraph (d) of this section, megagrams.

(c) The open molding emission limit is the same for both new and existing sources.

(d) The materials specified in paragraphs (d)(1) through (3) of this section are exempt from the open molding emission limit specified in paragraph (b) of this section.

(1) Production resins (including skin coat resins) that must meet specifications for use in military vessels or must be approved by the U.S. Coast Guard for use in the construction of lifeboats, rescue boats, and other life-saving appliances approved under 46 CFR subchapter Q or the construction of small passenger vessels regulated by 46 CFR subchapter T. Production resins for which this exemption is used must be applied with nonatomizing (non-spray) resin application equipment. The Owner/Operator must keep a record of the resins for this exemption was used.

(2) Pigmented, clear, and tooling gel coat used for part or mold repair and touch up. The total gel coat materials included in this exemption must not exceed 1 percent by weight of all gel coat used at your facility on a 12-month rolling-average basis. The Owner/Operator must keep a record of the amount of gel coats used per month for which this exemption is used and copies of calculations showing that the exempt amount does not exceed 1 percent of all gel coat used.

(3) Pure, 100 percent vinylester resin used for skin coats. This exemption does not apply to blends of vinylester and polyester resins used for skin coats. The total resin materials included in the exemption cannot exceed 5 percent by weight of all resin used at your facility on a 12-month rolling-average basis. The Owner/Operator must keep a record of the amount of 100 percent vinylester skin coat resin used per month that is eligible for this exemption and copies of calculations showing that the exempt amount does not exceed 5 percent of all resin used.

[40 CFR 63.5698]

13. Options for Complying with the Open Molding Emission Limit of 40 CFR 63, Subpart

VVVV: The Owner/Operator must use one or more of the options listed in paragraphs (a) through (c) of this section to meet the emission limit in Part II, Section C, condition 9 (40 CFR 63.5698) for the resins and gel coats used in open molding operations at this facility.

(a) Maximum achievable control technology (MACT) model point value averaging (emissions averaging) option.

(1) Demonstrate that emissions from the open molding resin and gel coat operations that the Owner/Operator averaged met the emission limit in Part II, Section C, condition 9 (40 CFR 63.5698) using the procedures described in Part II, Section C, condition 13, below (40 CFR 63.5710). Compliance with this option is based on a 12-month rolling average.

(2) Those operations and materials not included in the emissions average must comply with either paragraph (b) or (c) of this section.

(b) Compliant materials option.

(1) Demonstrate compliance by using resins and gel coats that meet the organic HAP content requirements in Table 2 of Appendix A (40 CFR 63, Subpart VVVV). Compliance with this option is based on a 12-month rolling average.

(c) Add-on control option.

(1) Use an enclosure and add-on control device, and demonstrate that the resulting emissions meet the emission limit in Part II, Section C, condition 9 (40 CFR 63.5698). Compliance with this option is based on control device performance testing and control device monitoring.

(2) This facility cannot achieve compliance with the add-on control option without applying, first, for a modification to this federal operating permit and local district permits, as this facility does not currently have add-on control device(s) permitted.

[40 CFR 63.5701]

14 General Requirements for Complying with the Open Molding Emission Limit of 40 CFR 63, Subpart VVVV:

(a) Emissions averaging option. For those open molding operations and materials complying using the emissions averaging option, the Owner/Operator must demonstrate compliance by performing the steps in paragraphs (a)(1) through (5) of this section.

(1) Use the methods specified in Part II, Section C, condition 19, below (40 CF 63.5758) to determine the organic HAP content of resins and gel coats.

(2) Complete the calculations described in condition 13, below (40 CFR 63.5710) to show that the organic HAP emissions do not exceed the limit specified in Part II, Section C, condition 9 (40 CFR 63.5698).

(3) Keep records as specified in paragraphs (a)(3)(i) through (iv) of this section for each resin and gel coat.

(i) Hazardous air pollutant content.

(ii) Amount of material used per month.

(iii) Application method used for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with nonatomized technology.

(iv) Calculations performed to demonstrate compliance based on MACT model point values, as described in Part II, Section C, condition 13, below (40 CFR 63.5710).

(4) Prepare and submit the implementation plan described in Part II, Section C, condition 12, below (40 CFR 63.5707) to the Administrator and keep it up to date.

(5) Submit semiannual compliance reports to the Administrator as specified in Part II, Section B, condition 9 (40 CFR 63.5764).

(b) Compliant materials option. For each open molding operation complying using the compliant materials option, the Owner/Operator must demonstrate compliance by performing the steps in paragraphs (b)(1) through (4) of this section.

(1) Use the methods specified in Part II, Section C, condition 19, below (40 CFR 63.5758) to determine the organic HAP content of resins and gel coats.

(2) Complete the calculations described in Part II, Section C, condition 14 (40 CFR 63.5713) to show that the weighted-average organic HAP content does not exceed the limit specified in Table 2 of Appendix A (40 CFR 63, Subpart VVVV).

(3) Keep records as specified in paragraphs (b)(3)(i) through (iv) of this section for each resin and gel coat.

(i) Hazardous air pollutant content.

(ii) Application method for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with nonatomized technology.

(iii) Amount of material used per month. This record is not required for an operation if all materials used for that operation comply with the organic HAP content requirements.

(iv) Calculations performed, if required, to demonstrate compliance based on weighted-average organic HAP content as described in Part II, Section C, condition 14 (40 CFR 63.5713).

(4) Submit semiannual compliance reports to the Administrator as specified in Part II, Section B, condition 9 (40 CFR 63.5764).

[40 CFR 63.5704]

15. Implementation Plan for Open Molding Operations for 40 CFR 63, Subpart VVVV:

(a) The Owner/Operator must prepare an implementation plan for all open molding operations for which the Owner/Operator comply by using the emissions averaging option described in condition 11 (40 CFR 63.5704(a)).

(b) The implementation plan must describe the steps the Owner/Operator will take to bring the open molding operations covered by this subpart into compliance. For

each operation included in the emissions average, the implementation plan must include the elements listed in paragraphs (b)(1) through (3) of this section.

(1) A description of each operation included in the average.

(2) The maximum organic HAP content of the materials used, the application method used (if any atomized resin application methods are used in the average), and any other methods used to control emissions.

(3) Calculations showing that the operations covered by the plan will comply with the open molding emission limit specified in Part II, Section C, condition 9 (40 CFR 63.5698).

(c) The Owner/Operator must submit the implementation plan to the District with the notification of compliance status specified in Part II, Section B, condition 8 (40 CFR 63.5761).

(d) The Owner/Operator must keep the implementation plan on site and provide it to the District when asked.

(e) If the Owner/Operator revises the implementation plan, the Owner/Operator must submit the revised plan with the next semiannual compliance report specified in Part II, Section B, condition 9 (40 CFR 63.5764).

[40 CFR 63.5707]

16. 40 CFR 63, Subpart VVVV Compliance Demonstration Using Emissions Averaging:

(a) Compliance using the emissions averaging option is demonstrated on a 12-month rolling-average basis and is determined at the end of every month (12 times per year). The first 12-month rolling-average period begins on the compliance date specified in Part II, Section C, condition 8 (40 CFR 63.5695).

(b) At the end of the twelfth month after your compliance date and at the end of every subsequent month, use equation 1 of this section to demonstrate that the organic HAP emissions from those operations included in the average do not exceed the emission limit in Part II, Section C, condition 9 (40 CFR 63.5698) calculated for the same 12-month period. (Include terms in equation 1 of Part II, Section C, condition 9 (40 CFR 63.5698) and equation 1 of this section for only those operations and materials included in the average.)

$$HAP\,\text{emissions} = [(PV_R)(M_R)+(PV_{PG})(M_{PG})+(PV_{CG})(M_{CG})+(PV_{TR})(M_{TR})+(PV_{TG})(M_{TG})] \quad (Eq.\ 1)$$

Where:

HAP emissions = Organic HAP emissions calculated using MACT model point values for each operation included in the average, kilograms.

PV_R = Weighted-average MACT model point value for production resin used in the past 12 months, kilograms per megagram.

M_R = Mass of production resin used in the past 12 months, megagrams.

PV_{PG} = Weighted-average MACT model point value for pigmented gel coat used in the past 12 months, kilograms per megagram.

M_{PG} = Mass of pigmented gel coat used in the past 12 months, megagrams.
PV_{CG} = Weighted-average MACT model point value for clear gel coat used in the past 12 months, kilograms per megagram.
M_{CG} = Mass of clear gel coat used in the past 12 months, megagrams.
PV_{TR} = Weighted-average MACT model point value for tooling resin used in the past 12 months, kilograms per megagram.
M_{TR} = Mass of tooling resin used in the past 12 months, megagrams.
PV_{TG} = Weighted-average MACT model point value for tooling gel coat used in the past 12 months, kilograms per megagram.
M_{TG} = Mass of tooling gel coat used in the past 12 months, megagrams.

(c) At the end of every month, use equation 2 of this section to compute the weighted-average MACT model point value for each open molding resin and gel coat operation included in the average.

$$PV_{OP} = \frac{\sum_{i=1}^{n}(M_i \, PV_i)}{\sum_{i=1}^{n}(M_i)} \qquad (Eq. 2)$$

Where:
PV_{OP} = weighted-average MACT model point value for each open molding operation (PVR, PVPG, PVCG, PVTR, and PVTG) included in the average, kilograms of HAP per megagram of material applied.
M_i = mass of resin or gel coat i used within an operation in the past 12 months, megagrams.
n = number of different open molding resins and gel coats used within an operation in the past 12 months.
PV_i = the MACT model point value for resin or gel coat i used within an operation in the past 12 months, kilograms of HAP per megagram of material applied.

(d) The Owner/Operator must use the equations in Table 3 of Appendix A (40 CFR 63, Subpart VVVV) to calculate the MACT model point value (PVi) for each resin and gel coat used in each operation in the past 12 months.

(e) If the organic HAP emissions, as calculated in paragraph (b) of this section, are less than the organic HAP limit calculated in Part II, Section C, condition 9(b) (40 CFR 63.5698) for the same 12-month period, then you are in compliance with the emission limit in Part II, Section C, condition 9 (40 CFR 63.5698) for those operations and materials included in the average.

[40 CFR 63.5710]

17. 40 CFR 63, Subpart VVVV Compliance Demonstration Using Compliant Materials:

(a) Compliance using the organic HAP content requirements listed in Table 2 of Appendix A (40 CFR 63, Subpart VVVV) is based on a 12-month rolling average that is calculated at the end of every month. The first 12-month rolling-average period begins on the compliance date specified in Part II, Section C, condition 8 (40 CFR 63.5695). If Owner/Operator is using filled material (production resin or tooling resin), they must comply according to the procedure described in Part II, Section C, condition 15 (40 CFR 63.5714).

(b) At the end of the twelfth month after your compliance date and at the end of every subsequent month, review the organic HAP contents of the resins and gel coats used in the past 12 months in each operation. If all resins and gel coats used in an operation have organic HAP contents no greater than the applicable organic HAP content limits in Table 2 to 40 CFR 63, Subpart VVVV, then the Owner/Operator is in compliance with the emission limit specified in Part II, Section C, condition 9 (40 CFR 63.5698) for that 12-month period for that operation. In addition, the Owner/Operator does not need to complete the weighted-average organic HAP content calculation contained in paragraph (c) of this section for that operation.

(c) At the end of every month, the Owner/Operator must use equation 1 of this section to calculate the weighted-average organic HAP content for all resins and gel coats used in each operation in the past 12 months.

$$Weight - Average\ HAP\ Content\ (\%) = \frac{\sum_{i=1}^{n}(M_i HAP_i)}{\sum_{i=1}^{n}(M_i)} \quad (Eq.1)$$

Where:

M_i = mass of open molding resin or gel coat i used in the past 12 months in an operation, megagrams.

HAP_i = Organic HAP content, by weight percent, of open molding resin or gel coat i used in the past 12 months in an operation. Use the methods in Part II, Section C, condition 19 (40 CFR 63.5758) to determine organic HAP content.

n = number of different open molding resins or gel coats used in the past 12 months in an operation.

(d) If the weighted-average organic HAP content does not exceed the applicable organic HAP content limit specified in Table 2 of Appendix A (40 CFR 63, Subpart VVVV), then the facility is in compliance with the emission limit specified in Part II, Section C, condition 9, (40 CFR 63.5698).

[40 CFR 63.5713]

18. 40 CFR 63, Subpart VVVV Compliance Demonstration for Filled Resins:

(a) If this facility is using a filled production resin or filled tooling resin, the Owner/Operator must demonstrate compliance for the filled material on an as-applied basis using equation 1 of this section.

$$PV_F = PV_u \times \frac{(100 - \%\ \text{Filler})}{100} \qquad (Eq.\ 1)$$

Where:

PV_F = The as-applied MACT model point value for a filled production resin or tooling resin, kilograms organic HAP per megagram of filled material.

PVu = The MACT model point value for the neat (unfilled) resin, before filler is added, as calculated using the formulas in Table 3 of Appendix A (40 CFR 63, Subpart VVVV).

% Filler = The weight-percent of filler in the as-applied filled resin system.

(b) If the filled resin is used as a production resin and the value of PVF calculated by equation 1 of this section does not exceed 46 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.

(c) If the filled resin is used as a tooling resin and the value of PV_F calculated by equation 1 of this section does not exceed 54 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.

(d) If this facility is including a filled resin in the emissions averaging procedure described in Part II, Section C, condition 13 (40 CFR 63.5710), then use the value of PV_F calculated using equation 1 of this section for the value of PV i in equation 2 of Part II, Section C, condition 13 (40 CFR 63.5710).

[40 CFR 63.5714]

19. 40 CFR 63, Subpart VVVV Standards for Resin and Gel Coat Mixing Operations:

(a) All resin and gel coat mixing containers with a capacity equal to or greater than 208 liters, including those used for on-site mixing of putties and polyputties, must have a cover with no visible gaps in place at all times.

(b) The work practice standard in paragraph (a) of this section does not apply when material is being manually added to or removed from a container, or when mixing or pumping equipment is being placed in or removed from a container.

(c) To demonstrate compliance with the work practice standard in paragraph (a) of this section, the Owner/Operator must visually inspect all mixing containers subject to this standard at least once per month. The inspection should ensure that all containers have covers with no visible gaps between the cover and the container, or between the cover and equipment passing through the cover.

(d) The Owner/Operator must keep records of which mixing containers are subject to this standard and the results of the inspections, including a description of any repairs or corrective actions taken.

[40 CFR 63.5731]

20. 40 CFR 63, Subpart VVVV Standards for Resin and Gel Coat Application Cleaning Operations:

(a) For routine flushing of resin and gel coat application equipment (e.g., spray guns, flowcoaters, brushes, rollers, and squeegees), the owner/operator must use a

cleaning solvent that contains no more than 5 percent organic HAP by weight. For removing cured resin or gel coat from application equipment, no organic HAP content limit applies.
[40 CFR 63.5734(a)]

(b) Owner/Operator must store organic HAP-containing solvents used for removing cured resin or gel coat in containers with covers. The covers must have no visible gaps and must be in place at all times, except when equipment to be cleaned is placed in or removed from the container. On containers with a capacity greater than 7.6 liters, the distance from the top of the container to the solvent surface must be no less than 0.75 times the diameter of the container. Containers that store organic HAP-containing solvents used for removing cured resin or gel coat are exempt from the requirements of 40 CFR part 63, subpart T. Cured resin or gel coat means resin or gel coat that has changed from a liquid to a solid.
[40 CFR 63.5734(b)]

(c) The Owner/Operator must demonstrate compliance with the resin and gel coat application equipment cleaning standards as required below:

(i) Determine and record the organic HAP content of the cleaning solvents subject to the standards specified in Part II, Section C, condition 17 (40 CFR 63.5734) using the methods specified in Part II, Section C, condition 19 (40 CFR 63.5758).
[40 CFR 63.5737(a)]

(ii) If this facility recycles cleaning solvents on site, the Owner/Operator may use documentation from the solvent manufacturer or supplier or a measurement of the organic HAP content of the cleaning solvent as originally obtained from the solvent supplier for demonstrating compliance, subject to the conditions in Part II, Section C, condition 19 (40 CFR 63.5758) for demonstrating compliance with organic HAP content limits.
[40 CFR 63.5737(b)]

(iii) At least once per month, the owner/operator must visually inspect any containers holding organic HAP-containing solvents used for removing cured resin and gel coat to ensure that the containers have covers with no visible gaps. Keep records of the monthly inspections and any repairs made to the covers.

[40 CFR 63.5737(c)]

21. 40 CF 63, Subpart VVVV Standards for Carpet and Fabric Adhesive Operations:

(a) Owner/Operator must use carpet and fabric adhesives that contain no more than 5 percent organic HAP by weight.

(b) To demonstrate compliance with the emission limit in paragraph (a) of this section, the owner/operator must determine and record the organic HAP content of the carpet and fabric adhesives using the methods in Part II, Section C, condition 19 (40 CFR 63.5758).

[40 CFR 63.5740]

22. Organic HAP Content:

(a) Determination of the organic HAP content for each material used in open molding resin and gel coat operations and/or carpet and fabric adhesive operations shall be determined using one of the options in paragraphs (a)(1) through (6) of this section:

(1) Method 311 (appendix A to 40 CFR part 63). Owner/Operator may use Method 311 for determining the mass fraction of organic HAP. Use the procedures specified in paragraphs (a)(1)(i) and (ii) of this section when determining organic HAP content by Method 311.

(i) Include in the organic HAP total each organic HAP that is measured to be present at 0.1 percent by mass or more for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is measured to be 0.5 percent of the material by mass, the Owner/Operator need not include it in the organic HAP total. Express the mass fraction of each organic HAP measured as a value truncated to four places after the decimal point (for example, 0.1234).

(ii) Calculate the total organic HAP content in the test material by adding up the individual organic HAP contents and truncating the result to three places after the decimal point (for example, 0.123).

(2) Method 24 (appendix A to 40 CFR part 60). Owner/Operator may use Method 24 to determine the mass fraction of non-aqueous volatile matter of aluminum coatings and use that value as a substitute for mass fraction of organic HAP.

(3) ASTM D1259–85 (Standard Test Method for Nonvolatile Content of Resins). Owner/Operator may use ASTM D1259–85 (available for purchase from ASTM) to measure the mass fraction of volatile matter of resins and gel coats for open molding operations and use that value as a substitute for mass fraction of organic HAP.

(4) Alternative method. Owner/Operator may use an alternative test method for determining mass fraction of organic HAP if they obtain prior approval by the District. Owner/operator must follow the procedure in 40 CFR 63.7(f) to submit an alternative test method for approval.

(5) Information from the supplier or manufacturer of the material. Owner/Operator may rely on information other than that generated by the test methods specified in paragraphs (a)(1) through (4) of this section, such as manufacturer's formulation data, according to paragraphs (a)(5)(i) through (iii) of this section.

(i) Include in the organic HAP total each organic HAP that is present at 0.1 percent by mass or more for OSHA-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is 0.5 percent of the material by mass, Owner/Operator does not have to include it in the organic HAP total.

(ii) If the organic HAP content is provided by the material supplier or manufacturer as a range, then the Owner/Operator must use the upper limit of the range for determining compliance. If a separate measurement of the total organic HAP content using the methods specified in paragraphs (a)(1) through (4) of this section exceeds the upper limit of the range of the total organic HAP content provided by the material supplier or manufacturer, then Owner/Operator must use the measured organic HAP content to determine compliance.

(iii) If the organic HAP content is provided as a single value, the Owner/Operator may assume the value is a manufacturing target value and actual organic HAP content may vary from the target value. If a separate measurement of the total organic HAP content using the methods specified in paragraphs (a)(1) through (4) of this section is less than 2 percentage points higher than the value for total organic HAP content provided by the material supplier or manufacturer, then Owner/Operator may use the provided value to demonstrate compliance. If the measured total organic HAP content exceeds the provided value by 2 percentage points or more, then Owner/Operator must use the measured organic HAP content to determine compliance.

(6) Solvent blends. Solvent blends may be listed as single components for some regulated materials in certifications provided by manufacturers or suppliers. Solvent blends may contain organic HAP which must be counted toward the total organic HAP content of the materials. When detailed organic HAP content data for solvent blends are not available, owner/operator may use the values for organic HAP content that are listed in Table 5 or 6 of Appendix A (40 CFR 63, Subpart VVVV). Owner/Operator may use Table 6 of Appendix A (40 CFR 63, Subpart VVVV) only if the solvent blends in the materials the Owner/Operator use do not match any of the solvent blends in Table 5 of Appendix A (40 CFR 63, Subpart VVVV) and the Owner/Operator knows only whether the blend is either aliphatic or aromatic. However, if test results indicate higher values than those listed in Table 5 or 6 of Appendix A (40 CFR 63, Subpart VVVV), then the test results must be used for determining compliance.

[40 CFR 63.5758(a)]

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

A. EQUIPMENT DESCRIPTION & PERMIT CONDITIONS:

Spray Application Equipment, MDAQMD Permit # S008265:
Mondragon, Model PFDF 16-10-27 floor style type spray booth, 27' long x 16' wide x 10' high, with 46 - 20" x 20" paint arrestor filter cells; 5 hp exhaust fan.

Spray Application Equipment, MDAQMD Permit # S007781:
Spray Zone, Inc., Model SZ-FAF50S, 50' 4" long x 27' wide x 17' 8" high, with 56 - 20" x 20" x 2" exhaust filters, and 2 - 7.5 hp exhaust fans.

Spray Application Equipment, MDAQMD Permit # S007782:
Binks, Model 30-720, 14' 0" long x 13' 6" wide x 9' 0" high, with 18 - 20" x 20" x 2" exhaust filters, and 2 hp exhaust fan.

Portable Spray Gun – Fiberglass Gel Coat Operations, MDAQMD Permit # P015080:
GS Manufacturing, Model LW05, Serial Number TBD, exhausted through two banks of filters, each, 20 feet long x 42 inches wide, each bank with 24 filters, each filter measuring – 20 inches x 20 inches x 2 inches, and TBD hp exhaust fan.

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]

2. The o/o shall not use gel coating application methods other than HVLP flow coat/chopper spray gun or hand layup unless prior written approval is obtained from the District.
[District Rules 204 and 1162]

~~3. Organic solvents used in this equipment shall be clearly labeled as non-photochemically reactive by the supplier or, for bulk shipments, shown to be non-photochemically reactive on bills of lading or invoices.~~
~~[District Rule 204]~~

~~4~~3. 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 §63.5805]

~~5~~4. 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. Conduct visual inspections of any container which holds organic HAP containing material to ensure that the containers have covers and that there are no visible gaps.
[40 CFR 63 Subpart VVVV §63.5734(b) and Subpart WWWW§63.5805]

~~6~~5. 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. Method of application and type of substrate for each use.
c. Manufacturer, type, and amount (in pounds. gallons, tons, liter, etc.) of gel coat, resin, coating and solvent used (preparation, thinning, cleanup or other);
d. Copies of the Environmental Data Sheet and/or Material Safety Data Sheet (MSDS) for each coating, diluents, thinner, and solvent used
e. VOC and HAP(s) content of each type of gel coat, resin, coating and solvent in pounds per pound, pounds per gallon or grams per liter;
f. Total VOC and HAP(s) emissions in pounds per day;
g ~~monthly~~ Monthly HAP calculations specified in condition ~~9~~ 8 to demonstrate compliance with 40 CFR 63 Subpart WWWW
h. ~~monthly~~ Monthly HAP calculations specified in condition ~~8~~ 7 to demonstrate compliance with 40 CFR 63 Subpart VVVV
i. 30 day rolling average of VOC emissions to demonstrate compliance with permit condition ~~14~~12;
j. 12 month rolling average of VOC emissions to demonstrate compliance with permit condition ~~15~~13;
k. ~~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);~~

~~l. Total amount of photochemically reactive organic solvents used per day.~~

~~m~~l. ~~log~~ Log of monthly inspections/repairs of containers holding HAP containing materials as required by condition ~~5~~4.

m. 12 month rolling average of cobalt bis(2-ethylhexanoate) emissions to

demonstrate compliance with permit condition 15. Total gallons per month of black gelcoat manufactured by Lilly Ram may be used as a surrogate for emission pounds per month. The Owner/Operator must notify the District prior to use of any other materials containing this compound.

[40 CFR 63 subparts VVVV and WWWW; District Rules 204; 1202]

~~7~~6. This equipment shall not be operated unless all exhaust air passes through tightly mounted filter media at least 2 inches thick.
[District Rule 204]

~~8~~7. The owner operator shall demonstrate compliance with 40 CFR 63 subpart VVVV:
a. Initial notification as required pursuant to §63.5761
b. Semi-annual compliance report as specified in §63.5764, to be submitted to District and USEPA by January 31 and July 31 of each year
c. ~~prepare~~ Prepare implementation plan as required by §63.5704(a)(4) and as specified by §63.5707. Implementation plan must be submitted to the District and USEPA.
d. ~~calculate~~ Calculate HAP emission limit for open molding operations §63.5698(b) table 2. 12 month rolling average calculated at the end of each month
e. ~~calculate~~ Calculate weighted-average MACT model point value for each open molding operation type used in calculating the HAP emissions calculated in f. below, §63.5710(c) and table 3
f. ~~calculate~~ Calculate HAP emissions from open molding operations §63.5710(b) 12 month rolling average calculated at the end of each month
e. 12 month rolling average HAP emissions must be less than the 12 month rolling average HAP emission limit to demonstrate compliance
f. ~~compliance~~ Compliance for resin and gel coat cleaning operations demonstrated by permit conditions 4 and 5.

[40 CFR 63 subpart VVVV; District Rules 204; 1202]

~~9~~8. The owner operator shall demonstrate compliance with 40 CFR subpart WWWW:
a. Initial notification as required pursuant to §63.5905
b. Semi-annual compliance report as specified in §63.5910, to be submitted to District and USEPA by January 31 and July 31 of each year
c. ~~calculate~~ Calculate weighted average organic HAP emission limit for open molding operations §63.5810(c)(1) using limits from table 3 12 month rolling average calculated at the end of each month
d. ~~calculate~~ Calculate actual individual emission factors for each open molding operation type using equations in table 1
e. ~~calculate~~ Calculate actual weighted average organic HAP emissions factor from

open molding operations §63.5810(c)(2) using calculated actual individual emission factors for all applicable open molding operation types 12 month rolling average calculated at the end of each month

f. 12 month rolling average organic HAP emission factor must be less than or equal to the corresponding 12-month rolling average organic HAP emission limit to demonstrate compliance

g. compliance for resin and gel coat cleaning and storage operations demonstrated by permit conditions 4 and 5.

[40 CFR 63 subpart WWWW; District Rules 204; 1202]

~~10~~9. 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 subparts WWWW and VVVV. In the event of conflict between these conditions, District rules and the MACTs the most stringent requirements shall govern.
[District Rule 204]

~~11~~10. The owner operator shall not utilize coatings, thinners or cleaning materials in surface coating operations which contain organic HAP. [40 CFR 63 Subpart PPPP §63.4481(c)(1)]

~~12~~11. The owner operator shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium (Title 17 CCR 93112 - Airborne Toxic Control Measure (ATCM) for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings). Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and provision of said information to District, state or federal personnel on request.

~~13~~12. The o/o shall limit daily VOCs emissions from this facility to 180 ~~lb/day~~pounds per day based on a 30-day rolling average of those days of actual production.
[District Rule 204]

~~15~~13. 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 or by equation and/or method approved by the District in writing. Exceeding this facility emissions limit will trigger offsets and BACT review.
[District Rule 1303]

~~16~~14. Owner/Operator shall comply with 40 CFR 63, Subpart VVVV Standards for Carpet and Fabric Adhesive Operations as follows:

a. Owner/Operator must use carpet and fabric adhesives that contain no more than 5 percent organic HAP by weight.

b. To demonstrate compliance with the emission limit in paragraph (a) of this section, the owner/operator must determine and record the organic HAP content of the carpet and fabric adhesives using the methods in 40 CFR 63.5758.

[40 CFR 63 Subpart VVVV]

15. The o/o shall limit monthly emissions of cobalt bis(2-ethylhexanoate) from this facility to 0.233 pounds per month based on a rolling 12-month average of actual production. This equates to usage of 660 gallons per month, on a rolling 12-month average, of black gelcoat manufactured by Lilly Ram Chemical Company, vented to a particulate control filter with at least 99% control efficiency.
[District Rules 1320, 1520]

16. This equipment shall be limited to application of gel coats.. All application of gel coats shall be limited to one of the following methods:

a. Air-Assisted Airless Spray;

b. Electrostatic Attraction;

c. High volume, Low Pressure (HVLP) Spray; or

d. A non-atomizing technique listed in District Rule 1162(C)(2)(a).

[District Rule 1162(C)(2)(b)]

17. This facility shall only use gel coats, resins, and other materials that comply with the VOC limits in District Rule 1162 Tables 1 and 2, and HAP emission limits of 40 CFR 63 subpart WWWW Table 3.
[District Rule 1162; 40 CFR 63, Subpart WWWW]

18 The facility shall not discharge VOCs into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes that are not subject to District Rule 1162, in excess of 1190 pounds per month. This includes, but is not limited to, coatings, modifiers, sealants, release agents, polymerization initiators, pure monomers, and catalysts.
[District Ruel 442]

19. 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 be limited to the following:

a. The open molding HAP emissions shall not exceed the HAP emission limits in Table 3 or Table 7, depending on which compliance option is chosen to demonstrate compliance with Subpart WWWW of 40 CFR 63. In accordance with Subpart 63.5810, the facility may use Option A in 63.5810(a), Option B in 63.5810(b), Option C in 63.5810(c), or Option D in 63.5810(d) to comply with the open molding limits.

b. The facility must determine the appropriate organic HAP (commonly styrene and methyl methacrylate) emission factors and calculate the facility's organic HAP emissions from all reinforced plastic composites production operations using the equations found in Table 1 of Subpart WWWW to 40 CFR 63. The necessary calculations must be completed within 30 days after the end of each month.

c. This facility must comply with "Work Practices" found in Table 4 to Subpart WWWW of 40 CFR 63 and demonstrate compliance with these "Work Practices" per Table 9 to Subpart WWWW of 40 CFR 63.

d. This facility must submit semi-annual Compliance Reports as required in Table 14 to Subpart WWWW of 40 CFR 63 per 40 CFR 63.5910(b). The report must contain all information required under 40 CFR 63.5910, and may be submitted along with, or as part of, the semiannual monitoring report required by this facility's Federal Operating Permit, per 40 CFR 70.6(a)(3)(iii)(A).

e. This facility is required to meet operation and maintenance requirements 40 CFR 63.6(e)(1) and (2).

f. This facility must submit a 'Notification of Compliance Status' per 40 CFR 63.9(h) and Table 13 to Subpart WWWW of 40 CFR 63.

g. In the event of a conflict between the MACT Standard and these permit conditions, the more stringent standard shall govern.

~~a.~~
~~17~~20. 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.
[40 CFR 70.6(a)(5); District Rule 1203(D)(1)(f)(i)]

2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); District Rule 1203(D)(1)(f)(ii)]

3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); District Rule 1203(D)(1)(f)(iii)]

4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); District Rule 1203(D)(1)(f)(iv)]

5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); District Rule 1203(D)(1)(f)(v)]

6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); District Rule 1203(D)(1)(f)(vi)]

7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing to determine whether cause exists for modifying, revoking and reissuing, terminating, or determining

compliance with the Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); District Rule 1203(D)(1)(f)(vii)]

8. Owner/Operator shall furnish to qualified District, CARB or EPA personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); District Rule 1203(D)(1)(f)(viii)]

9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.
[40 CFR 70.6(a)(3)(ii)(B); District Rule 1203(D)(1)(d)(ii)]

10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); District Rule 1203(D)(1)(f)(ix)]

11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); District Rule 1203(D)(1)(f)(x)]

12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that "only" Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).
[40 CFR 70.6(f)(1)(i); District Rule 1203(G)(1)]

13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); District Rule 1203(G)(3)(a)]

14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations, which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); District Rule 1203(G)(3)(b)]

15. This facility is not subject to any Applicable Requirement Contained in the Acid Rain Program.

[40 CFR 70.6(f)(3)(iii); District Rule 1203(G)(3)(c)]

16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); District Rule 1203(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); District Rule 1203(G)(3)(e)]

18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.
[40 CFR 70.4(b)(14)(iii); District Rule 1203(G)(3)(f)]

19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); District Rule 1203 (G)(3)(g)]

20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart F]

21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]

22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

PART V
OPERATIONAL FLEXIBILITY

A. ALTERNATIVE OPERATING SCENARIO (S):

Owner/Operator individual State/District Permits are already conditioned to allow facility-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. Permitee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
   (a). Permitee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and
      (i). The proposed change is not:
         a. Subject to any requirements under Title IV of the Federal Clean Air Act; or [District Rule 1203(E)(1)(c)(i)d.]
         b. A modification under Title I of the Federal Clean Air Act; or
         c. A modification subject to Regulation XIII; and [District Rule 1203(E)(1)(c)(i) d.]
         d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and [District Rule 1203(E)(1)(c)(i)c.]
         e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). [District Rule 1203(E)(1)(c)(i)e.]

2. Procedure for "Off Permit" Changes
   (a). If a proposed "Off Permit Change" qualifies under Part V, Section (B)(I)(A)(1)

above, permittee shall implement the change as follows:

(i). Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. [District Rule 1203(E)(1)(c)(i)b.]

(ii). In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:

a. A notification that this application is also an application for an "Off Permit" Change pursuant to this condition; and [1203(E)(1)(c)(i)b.]

b. A list of any new Applicable Requirements which would apply as a result of the change; and [District Rule 1203(E)(1)(c)(i)b.]

c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. [District Rule 1203(E)(1)(c)(i)c.]

(iii). Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. [District Rule 1203(E)(1)(c)(i)a.]

(b) Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. [District Rule 1203(E)(1)(c)(i)a. and g.]

(c) Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. [District Rule 1203(E)(1)(c)(i)f.]

(d) Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to District Rule 1202(B)(3)(b). [District Rule 1203(E)(1)(c)(i)f.]

3. Other Requirements:

(a) The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.

(b) The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. [40 CFR 70.4(b)(i)(B)] [District Rule 1203(E)(1)(c)]

PART VI
CONVENTIONS, ABBREVIATIONS, DEFINITIONS, MDAQMD APPLICABLE SIP

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO_2 Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO_2 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 used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
Btu	British thermal units
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO_2	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
hp	horsepower
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
PM_{10}	particulate matter less than 10 microns mean aerodynamic diameter
psia	pounds per square inch absolute
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO_2	sulfur dioxide

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 Information

1. SIP status and federal enforceability of District Rules are identified in Table 1- SIP INFORMATION (See Below).

TABLE 1- SIP INFORMATION

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
203	*Permit to Operate*	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	*Permit Conditions*	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	*Posting of Permit to Operate*	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	*Altering or Falsifying of Permit*	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	*Transfer and Voiding of Permit*	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	*Provision for Sampling And Testing Facilities*	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	

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
219	*Equipment Not Requiring a Written Permit*	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	*Federal Operating Permit Requirement*	12/21/94	[SIP: Approved 2/5/96, 61 FR 4217, 40 CFR 52.220(c)(216)(i)(A)(2)]	Y	
301	*Permit Fees*	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)).

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
					Therefore, this rule is not required to be a federal submittal.
312	*Fees for Federal Operating Permits*	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	
401	*Visible Emissions*	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	*Fugitive Dust*	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	*Fugitive Dust Control for the Mojave Desert Planning Area*	N/A	**SIP Pending:** as amended 07/22/1996 and submitted 10/18/1996	?	
404	*Particulate Matter Concentration*		[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
405	*Solid Particulate Matter, Weight*		[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	*Specific Contaminants*	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	*Liquid and Gaseous Air Contaminants*	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	

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
408	*Circumvention*	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	*Combustion Contaminants*	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	*Breakdown Provisions*	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	
431	*Sulfur Content of Fuels*	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	*Research Operations*		**SIP: Not SIP: District Rule 441 –** *Research Operations* Disapproved 1/16/81 and 40 CFR 52.272(a)(9)(i)]	N	
442	*Usage of Solvents*	2/27/06	[SIP: Approved 09/17/2007, 72 FR 52791, 40 CFR 52.220(c)(347)(i)(C)(1)]	Y	

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
444	*Open Outdoor Fires*	9/25/06	[SIP: Approved 10/31/2007, 72 FR 61525, 40 CFR 52.220(c)(350)(B)(1)]	Y	
1104	*Organic Solvent Degreasing Operations*	9/28/94	[SIP: Approved: 4/30/96, 61 FR 18962, 40 CFR 52.220(c)(207)(I)(D)(2)]	Y	
1113	*Architectural Coatings*	4/23/12	[SIP: Approved: 1/03/14, 79 FR 364, 40 CFR 52.220(c)(428)(i)(C)]	Y	
1114	*Wood Products Coating Operations*	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	
1115	*Metal Parts and Products Coating Operations*	4/22/96	[SIP: Approved 12/23/97, 62 FR 67002, 40 CFR 52.220(c)(239)(i)(A)(2)]	Y	
1116	*Automotive Finishing Operations*	8/23/10	[SIP: Approved 8/9/12, 77 FR 47536, 40 CFR 52.220(c)(388)(i)(F)(1)]	Y	
1302	*NSR - Procedure*	3/25/96	[SIP: Approved 11/13/1996, 61 FR 58133, 40 CFR 52.220(c)(239)(i)(A)(1)]	Y	
Regulation XII	*Federal Operating Permits*		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		

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
			4217]		
1162	*Polyester Resin Operations*	8/27/2007:	SIP: Approved 11/24/2008; 40 CFR 52.220(c)(354)(i)(B)(1).	Y	
1162	*Polyester Resin Operations*	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.

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