Federal Operating Permit

Permit No.: **121502114**

Company: **Duffy Electric Boat Company**

Facility: **Duffy Electric Boat Company**

Issue date: **12/6/21**

Expiration date: **12/6/26**

Mojave Desert Air Quality Management District

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Signed and issued by
Brad Poiriez
Executive Director/
Air Pollution Control Officer

PERMIT REVISIONS

May 31, 2024: Minor Modification
Addition of one new Fiberglass Chopper Gun/Airless Resin Sprayer.
(*Changes made by Kent Christensen****)***

2021: Renewal
(Changes made by Sheri Haggard)

May 26, 2015: Renewal
(Changes made by Sheri Haggard)

October 08, 2008: Issuance of Initial Title V Permit:
(By Bill Weese)

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PART I
INTRODUCTORY INFORMATION

A. Facility Identifying Information:

Issued To:	Duffy Electric Boat Company
Facility Name:	Duffy Electric Boat Company
Facility Location:	17260 Muskrat Adelanto, CA 92301
Mailing Address:	17260 Muskrat Avenue Adelanto, CA 92301
Federal Operating Permit Number:	121502114
MDAQMD Company Number:	1215
MDAQMD Facility Numbers:	02114
Responsible Official:	Marshall Duffield Owner 760-246-1211
Facility Contact:	Alfonso Figueroa Safety & Compliance 760-246-1211 alfonso@duffyboats.com
Facility "Off Site" Contact(s):	None
Nature of Business:	Reinforced Composite Manufacturer Polyester Resin Operations Electric Boat Manufacturer
SIC/NAICS Code:	3732/336612 – Boat Building and Repairing
Facility Coordinates:	UTM (km) 3824.798 N/458.600 E 34.562491°/-117.449707°

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 121502114) is for Duffy Electric Boat Company (Duffy Boats), located at 17130 & 17260 Muskrat Avenue, in Adelanto, California. Duffy Boats manufactures fiberglass composite boats. The boat manufacturing process is comprised of process steps such as mold preparation, resin laminations, components installation, and finishing.

C. EQUIPMENT DESCRIPTION:

Permit No.	**Permit Description**	**Operations Description**
S007654	Spray Booth	Used for wood coating operations.
S009850	Spray Booth	Used for gel coat operations.
P005246	GS Chopper Gun #1	Used to apply resin and fiberglass.
P005247	GS Chopper Gun #2	Used to apply resin and fiberglass.
P009257	GS Chopper Gun #3	Used to apply resin and fiberglass.
P014957	GS Chopper Gun #4	Used to apply resin and fiberglass
P005248	Spray Gun #1	Used to spray gel coat.
P009256	Spray Gun #2	Used to spray gel coat.

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

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit to construct is required to build, erect, install, alter or replace any equipment, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce or control the issuance of air contaminants.
[District Rule 201]

2. A permit is required to operate this facility. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.
[District Rule 203]

3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit to assure compliance with all applicable regulations.
[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 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 APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[District Rule 217]

9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in District Rule 219 and meets the applicable criteria contained in District Rule 219(B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[District Rule 219]

10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[District Rule 221]

11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[District Rule 301]

12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[District Rule 312]

13. Owner/Operator shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
    (a) General Visible Emissions Limitation:
        (i) 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
        (ii) Of such opacity as to obscure an observer's view to a degree equal to or greater than 20% opacity.
    (b) Abrasive Blasting Visible Emissions Limitation:
        (i) For indoor operations using noncertified Abrasive Blasting materials, of such opacity as to obscure an observer's view to a degree equal to or greater than 20% opacity (or equivalent Ringelmann
        (ii) For outdoor operations using wet abrasive blasting, hydroblasting, vacuum blasting, or abrasives certified for permissible dry outdoor blasting materials, of such opacity as to obscure an observer's view to a degree equal to or greater than 40% opacity (or equivalent Ringelmann 2.

    [District Rules 204, 401; 40 CFR 70.6 (a)(3)(i)(B)]

    (c) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.
    (d) While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:
        (i) Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation, a visible emissions inspection is required every three (3) months or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3-month time frame.

(ii) Diesel Standby and emergency reciprocating engines using California low sulfur fuels require no additional monitoring for opacity.

(iii) Diesel/Distillate-Fueled Boilers firing on California low sulfur fuels require a visible emissions inspection after every 1 million gallons diesel combusted, to be counted cumulatively over a 5-year period.

(iv) On any of the above, if a visible emissions inspection documents opacity, an U.S. Environmental Protection Agency (EPA) Method 9 "Visible Emissions Evaluation" shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3 working day time frame.

[District Rule 401 - *Visible Emissions;* 40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements; District Rule 431 - Sulfur Content of Fuels]

14. Owner/Operator must adhere to the provisions of District Rule 403, *Fugitive Dust*, including, but not limited to, 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 Visible Fugitive Dust remains visible in the atmosphere beyond the property line of the emission source, except during High Winds.

(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 PM_{10} to exceed 100 micrograms per cubic meter when determined as the difference between upwind and downwind samples collected on federal reference method samplers at the property line for a minimum of five hours, except during High Winds. Installation of samplers or monitors to determine compliance with this subsection shall be required at the APCO's discretion.

(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 204]
[District Rule 403]

15. 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 District Rule 404, Table 404(a).

(a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.

(b) This condition shall not apply to emissions resulting from the combustion of

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]

16. Owner/Operator shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in District Rule 405, Table 405(a).

(a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

(b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[District Rule 405]

17. 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]

18. 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]

19. 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]

20. 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 15 consecutive minutes.

[District Rule 409]

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

and:

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

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

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

(d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with District Regulation V.

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

[District Rule 430]

22. Owner/Operator is limited to use of the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 parts per million (ppm) calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be kept on-site and available for review by District, state, or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent.
[District Rule 431]
[*40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements*]

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

(a) The purpose of the operation is to permit investigation, experiment, or research to advance the state of knowledge or the state of the art; and

(b) The APCO has given written prior approval that shall include limitation of time.

[District Rule 441]

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

(a) VOCs from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month per Facility.

(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) a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average.

(c) The provisions of this condition shall not apply to:

(i) The manufacture of organic solvents, or the 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 the rules of Regulation IV or which are exempt from air pollution control requirements by said rules.

(iii) The use of pesticides including insecticides, rodenticides or herbicides.

(iv) The use of equipment or materials for which other requirements are specified in source specific rules of Regulation XI after the compliance dates specified in such source specific rules.

(v) The use of 1-1-1 Trichloroethane, methylene chloride and trichlorotrifluoroethane.

(vi) Aerosol products

(d) Owner/operator shall maintain daily usage and monthly emission records for all VOC-containing materials, and daily usage and 30-day rolling average emission records for non-VOC organic solvents subject to this condition. The records shall be retained for five years and be made available upon request. VOC records shall include but not be limited to:

(i) The amount, type and VOC content of each solvent used; and
(ii) The method of application and substrate type; and
(iii) The permit units involved in the operation (if any).

(e) Determination of VOC Content in Solvent-containing materials, Presence of VOC in Clean-up Materials, or Determination of Efficiency of Emission Control Systems must be made in accordance with methods and provisions of District Rule 442.

[District Rule 442 – *Usage of Solvents*]

25. Owner/Operator shall not set open outdoor fires unless in compliance with District Rule 444. Outdoor fires burned according to an existing District permit are not considered "open outdoor fires" for the purposes of District Rule 444 (reference District Rule 444(B)(10)).
[District Rule 444]

26. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of District Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products and which utilize volatile organic solvents. These requirements include, but are not limited to, the following:

VOC Content:

(a) An Owner/Operator shall not use a solvent with a VOC content that exceeds 25 grams of VOC per liter, as applied, for cleaning or surface preparation in any operation subject to this Rule.

(b) As an alternative to, or in lieu of, the above VOC limits, an Owner/Operator may use cleaning materials with a VOC composite vapor pressure limit of 8 millimeters of mercury (mm Hg) or less at 20 degrees Celsius.

Control Equipment:

(a) Owner/Operator may comply with the VOC limits above by using approved air pollution control equipment provided that the VOC emissions from such operations and/or materials are reduced in accordance with the following:

(i) The control equipment shall reduce emissions from an emission collection system by at least 95 percent (95%), by weight, or by reducing the output of the air pollution control equipment to less than 25 ppm calculated for carbon with no dilution; and

(ii) The Owner/Operator demonstrates that the system collects at least 90 percent (90%), by weight, of the emissions generated by the sources of emissions.

Cleaning Equipment and Method Requirements:

An Owner/Operator shall not perform solvent cleaning unless one of the cleaning devices or methods listed below are used, and the applicable requirements that follow are used:

(a) Wipe Cleaning;

(b) Closed containers or hand held spray bottles from which solvents are applied without a propellant-induced force;

(c) Cleaning equipment which has a solvent container that can be, and is closed during cleaning operations, except when depositing and removing objects to be cleaned, and is closed during non-operation with the exception of maintenance and repair to the equipment itself;

(d) Non-atomized solvent flow method where the cleaning solvent is collected in a container or a collection system which is closed except for solvent collection openings and, if necessary, openings to avoid pressure build-up inside the container; or

(e) Solvent flushing method where the cleaning solvent is discharged into a container which is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container. The discharged solvent from the equipment must be collected into containers without atomizing into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping.

(f) All Degreasers shall be equipped with the following:

(i) An apparatus or cover(s) which reduces solvent evaporation, except for

remote reservoirs.

(ii) A permanent, conspicuous label summarizing the applicable operating requirements. 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.

(g) Remote Reservoirs shall be equipped with the following:

(i) A sink, platform or work area which is sloped sufficiently towards a drain to prevent pooling of solvent within the work area.

(ii) A single or total drain hole area, not larger than 100 square centimeters (15.5 square inches) in area, for the Solvent to flow from the sink (platform/work area) into the enclosed reservoir.

(iii) If high volatility solvent is used, a drain cover/plug/closure device or a cover for placement over the top of the sink (platform/work area), when the equipment is not being used, cleaned or repaired.

(iv) A minimum sink depth of six (6) inches, as measured from the top of the drain to the top of the side of the sink.

(h) 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 (1).

(i) 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.

(j) Cold Solvent Degreasers - Solvent Level Identification:

(i) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.

(k) All Degreasers shall comply with the following operating requirements:

(i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.

(ii) Degreasers shall not be operating with any detectable solvent leaks.

(iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.

(iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a federally or state licensed facility

to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.

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

(vi) Solvent carry-out shall be minimized by the following methods:

a. Rack workload arranged to promote complete drainage.

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

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

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

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

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

(viii) Except for sealed chamber degreasers, all solvent agitation shall be by either pump recirculation, a mixer, or ultrasonics.

(ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless the spray is conducted in a totally enclosed space, separated from the environment.

(x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.

(xi) Wipe cleaning materials, including shop towels, containing solvent shall be kept in closed containers at all times, except during use.

(xii) Cleaning operations 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.

(l) District Rule 442 Applicability:

(i) Any solvent-using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of District Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of District Rule 442.

(m) Solvent Usage Records:

Owner/Operator subject to District Rule 1104 or claiming any exemption under Rule 1104, 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;
   b. The mix ratio of mixtures containing solvents as used;
   c. VOC content of solvent or mixture of compounds as used;
   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 equipment/system as a means of complying with the provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.

(iii) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.

(iv) Records shall be retained on site and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V/Federal Operating Permit.

[District Rule 1104]

27. Owner/Operator's use of Architectural Coatings at this facility shall comply with the applicable requirements of Rule 1113, including the VOC limits specified in Rule 1113, Part C- Requirements, as listed in Table 1 below:

Table 1
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

(a) Limits are expressed in grams of VOC per liter[a] 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.

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)
[District Rule 1113 – *Architectural Coatings*]

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

(a) 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.

(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)

(a) 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)

[District Rule 1114]

29. Owner/Operator's use of Metal Parts and Products Coatings at this facility shall comply with the applicable requirements of District Rule 1115, including but not limited to, the VOC limits specified in District Rule 1115, as listed below:

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

[District Rule 1115]

30. The owner/operator shall comply with all applicable requirements of District Rule 1162 – Polyester Resin Operations. As a Fiberglass Boat Manufacturing Operation, District Rule 1162 (C)(3) requirements apply to the facility. The following Compliant Materials requirements apply to the Open Molding Process:

(a) Materials used in an Open Molding Process shall not exceed the limits in the following table. In addition to these 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.

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%

(b) Materials in the above table 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 the Facility on a 12-month rolling-average basis.

[District Rule 1162 – *Polyester Resin Operations*]

31. The owner/operator shall comply with all applicable provisions of District Rule 1168 – Adhesive and Sealant Applications, including but not limited to, the VOC limits specified below:

(a) owner/operator shall not apply Adhesives, Adhesive Primers, Sealants, Sealant Primers, or any other Primer which have a VOC content in excess of the limits specified in Table 1 of District Rule 1168, as summarized below:

Application Process	VOC Emission Limit Less Water and Less Exempt Compounds in g/L (lb/gal)
General Adhesive*	
Fiberglass	80 (0.7)
Flexible Vinyl	250 (2.1)
Metal	30 (0.3)
Plastic Foams	50 (0.4)
Porous Material (Except Wood)	50 (0.4)
Pre-formed Rubber Products	250 (2.1)
Reinforced Plastic Composite	200 (1.7)
Rubber	250 (2.1)
Wood	30 (0.3)
Other Substrates	250 (2.1)
Specialty Adhesive	
Building Envelope Membrane	250 (2.1)
Carpet Pad	50 (0.4)
Ceramic Tile Installation	65 (0.5)
Contact Adhesive	80 (0.7)
Contact Adhesive – Special Purpose	250 (2.1)
Cove Base Installation	50 (0.4)
Drywall and Panel	50 (0.4)
Edge Glue	250 (2.1)
Elastomeric	750 (6.3)
Floor Covering Installation (Indoor)	150 (1.3)
Floor Covering Installation (Outdoor)	250 (2.1)
Immersible Product Manufacturing	650 (5.4)
Indoor Carpet	50 (0.4)
Metal to Urethane/Rubber Molding or Casting	850 (7.1)
Motor Vehicle	250 (2.1)
Motor Vehicle Weatherstrip	750 (6.3)
Multipurpose Construction	70 (0.6)
Non-membrane Roof Installation/Repair	300 (2.5)
Other Flooring	50 (0.4)
Perimeter Bonded Sheet Vinyl	660 (5.5)
Plastic Solvent Welding	
ABS	325 (2.7)
ABS to PVC Transition	510 (4.3)
Cellulose	100 (0.8)

CPVC	490 (4.1)
PVC	510 (4.3)
Styrene-Acrylonitrile	100 (0.8)
All Other Plastic Solvent Welding	250 (2.1)
Rubber Floor	325 (2.7)
Sheet Rubber Lining Installation	850 (7.1)
Single-Ply Roof Membrane Installation/Repair	250 (2.1)
Structural Glazing	100 (0.8)
Structural Wood Member	140 (1.7)
Subfloor	50 (0.4)
Thin Metal Laminating	780 (6.5)
Tire Retread	100 (0.8)
Top and Trim	540 (4.5)
Traffic Marking Tape	150 (1.3)
VCT and Asphalt Tile	50 (0.4)
Waterproof Resorcinol Glue	170 (1.4)
Wood Flooring	100 (0.8)
Adhesive Primer	
Motor Vehicle Glass Bonding	900 (7.5)
Plastic Solvent Welding	550 94.6)
Single-Ply Roof Membrane	250 (2.1)
Traffic Marking Tape	150 (1.3)
Other Adhesive Primer	250 (2.1)
Sealant Primers	
Architectural – Non-Porous	250 (2.1)
Architectural – Porous	775 (6.5)
Modified Bituminous	500 (4.2)
Other Sealant Primers	750 (6.3)
Sealants	
Architectural	250 (2.1)
Non-membrane Roof	300 (2.5)
Non-staining Plumbing Putty	150 (1.3)
Potable Water	100 (0.8)
Roadway	250 (2.1)
Single-Ply Roof Membrane	450 (3.8)
All Other Architectural Sealants	50 (0.4)
All Other Roof Sealants	300 (2.5)
All Other Sealant	420 (3.5)

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*). [District Regulation XII]

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]

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

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); 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 of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
   (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
   (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement are sufficient.
   (c) Throughput records to maintain emission inventory data required by the Consolidated Emissions Reporting Rule of 40 CFR 51, Subpart A.
   (d) The Owner/Operator must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request. [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

[*40 CFR 70.6(a)(3)(B) – Periodic Monitoring Requirements*]
[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B);

§187(a)(5); § 301(a)]
[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]

4. Owner/Operator shall submit, annually, a Compliance Certification as prescribed by District Rule 1203(F)(1) and District Rule 1208. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.
[40 CFR 70.6(c)(5)(i); District Rule 1203(D)(1)(g)(vii); Rule 1203(F)(1); District Rule 1208]
   (a) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
   [40 CFR 70.6(c)(5)(ii); District 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, Region IX Administrator.
   [40 CFR 70.6(5)(iii); District 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.
   [District Rule 1203 (D)(1)(g)(x)]
   (d) The annual certification period is January 1st of the previous year through December 31st of the current year and shall be submitted with postmark no later than February 28th of each year.
   [District Rule 1203 (D)(1)(g)(v - x)]

5. Owner/Operator shall submit, semi-annually, a *Monitoring Report of Deviations* to the APCO/District, with a copy to the USEPA, Region IX Administrator. This *Monitoring Report of Deviations* 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 all reportable deviations from any federally enforceable requirement in this permit.
   (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
   (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
   (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.
   (e) The semi-annual reporting periods shall be submitted as follows:
      (1) January 1st through June 30th, due with postmark no later than August

31st of each year; and,

(2) July 1st through December 31st, due with postmark no later than February 28th of each year.

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

6. Owner/Operator shall promptly report all deviations from federal operating permit requirements including, but not limited to; any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation. [District Rule 1203(D)(1)(e)(ii) and Rule 430(C)]
   Prompt reporting shall be determined as follows:
   (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District.
   [District Rule 430]
   (b) 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.
   [District Rule 1203(D)(1)(e)(i)]

7. If any facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5-year permit term, then owner/operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (District Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with District Rule 1201(I)(3)(iii) and shall include:
   (a) A narrative description of how the facility will achieve compliance with such requirements; and
   (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code

§42350 et seq.; and

(c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[District Rule 1201 (I)(3)(iii); District Rule 1203 (D)(1)(e)(ii); District Rule 1203 (D)(1)(g)(v)]

8. Owner/Operator must submit all of the notifications in Table 7 of Appendix A (40 CFR 63, Subpart VVVV) that apply to this facility by the dates in the table. The notifications are described more fully in 40 CFR 63, subpart A, General Provisions, referenced in Table 8 of Appendix A (40 CFR 63, Subpart VVVV).
[40 CFR 63.5764(a)]

9. Owner/Operator must submit the first compliance report for 40 CFR 63, subpart VVVV for the period beginning 12 months after the compliance date specified for your source in Part II, Section C, condition 8 (40 CFR 63.5695) and ending on June 30 or December 31, whichever date is the first date following the end of the first 12-month period after the compliance date that is specified for your source in Part II, Section C, condition 8 (40 CFR 63.5695).
   (a) The first compliance report must be postmarked or delivered no later than 60 calendar days after the end of the compliance reporting period specified in the paragraph above.
   (b) Each subsequent compliance report must cover the applicable semiannual reporting period from January 1 through June 30 or from July 1 through December 31.
   (c) Each subsequent compliance report must be postmarked or delivered no later than 60 calendar days after the end of the semiannual reporting period.

   [40 CFR 63.5764(b)]

10. The compliance report required by 40 CFR 63, Subpart VVVV must include the information specified below:
   (a) Company name and address.
   (b) A statement by the Responsible Official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report.
   (c) The date of the report and the beginning and ending dates of the reporting period.
   (d) A description of any changes in the manufacturing process since the last compliance report.
   (e) A statement or table showing, for each regulated operation, the applicable organic HAP content limit, application equipment requirement, or MACT model point value averaging provision with which you are complying. The statement or table must also show the actual weighted-average organic HAP

content or weighted-average MACT model point value (if applicable) for each operation during each of the rolling 12-month averaging periods that end during the reporting period.

(f) If you were in compliance with the emission limits and work practice standards during the reporting period, you must include a statement to that effect.

(g) If you deviated from an emission limit or work practice standard during the reporting period, you must also include the information listed in paragraphs (10)(g)(i) through (iv) of this section in the semiannual compliance report.

(i) A description of the operation involved in the deviation.

(ii) The quantity, organic HAP content, and application method (if relevant) of the materials involved in the deviation.

(iii) A description of any corrective action you took to minimize the deviation and actions you have taken to prevent it from happening again.

(iv) A statement of whether or not your facility was in compliance for the 12-month averaging period that ended at the end of the reporting period.

[40 CFR 63.5764(c)]

11. Owner/Operator must keep the records specified in paragraphs (a) through (d) of this section in addition to records specified in individual sections of 40 CFR 63, Subpart VVVV.

(a) Owner/Operator must keep a copy of each notification and report that was submitted to comply with 40 CFR 63, Subpart VVVV.

(b) Owner/Operator must keep all documentation supporting any notification or report that you submitted comply with 40 CFR 63, Subpart VVVV.

(c) Owner/Operator must keep the records specified in paragraphs (c)(i) of this section.

(i) The total amounts of open molding production resin, pigmented gel coat, clear gel coat, tooling resin, and tooling gel coat used per month and the weighted-average organic HAP contents for each operation, expressed as weight-percent. For open molding production resin and tooling resin, you must also record the amounts of each applied by atomized and nonatomized methods.

[40 CFR 63.5767]

12. Owner/Operator must keep records required by 40 CFR 63, Subpart VVVV in a readily available form so they can be easily inspected and reviewed. The Owner/Operator must keep each record for 5 years following the date that each record is generated. The Owner/Operator must keep each record on site for at least 2 years after the date that each record is generated. The Owner/Operator can keep the records offsite for the remaining 3 years. The Owner/Operator can keep the records on paper or an alternative media, such as microfilm, computer, computer disks, magnetic tapes, or on microfiche. [40 CFR 63.5770(a)-(d)]

13. Owner/Operator must keep records of which mixing containers are subject to the resin and gel coat mixing operations of Part II, Section C, condition 16 including the results of the inspections and a description of any repairs or corrective actions taken.

[40 CFR 63.5731]

14. Owner/Operator must keep records of the monthly inspections and any repairs made to the covers of the solvent cleaning containers as required by Part II, Section C, Condition 17. [40 CFR 63.5737(c)]

15. Owner/Operator must keep the records specified in paragraphs (a) through (d) of this section to demonstrate compliance with the VOC emission limit of Part II, Section C, Condition 20.
    (a) The following information which provides the information necessary to evaluate compliance:
        (i) The date of operation.
        (ii) The manufacturer's name of each product.
        (iii) The type of each product (i.e. resin, gelcoat, coating, solvent, fabric/carpet adhesive etc.)
        (iv) The application method for each product.
        (v) The amount used (i.e. pounds, gallons, etc.) of each product.
        (vi) The VOC content of each product in weight/weight (i.e. pounds per gallon, grams per liter, etc.).
        (vii) The weight (in percent) of each monomer (styrene, methyl methacrylate) for each product, if applicable.

        [District Rule 1162, District Rule 1200, and District Rule 1303]
    (b) The total amount of VOC emissions, in tons, for each calendar month. [District Rule 1200 and District Rule 1303]
    (c) The total amount of VOC emissions, in tons, for each consecutive twelve-month period. [District Rule 1200 and District Rule 1303]
    (d) Total daily use of non-VOC organics
    e. Thirty day rolling average of non-VOC organic solvent used in lb/month
    f. The Owner/Operator must keep each record for 5 years following the date that each record is generated. The Owner/Operator must keep each record on site for at least 2 years after the date that each record is generated. The Owner/Operator can keep the records offsite for the remaining 3 years. The Owner/Operator can keep the records on paper or an alternative media, such as microfilm, computer, computer disks, magnetic tapes, or on microfiche.

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 Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[District Rule 1203 (D)(1)(f)(ii)]

6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[District Rule 1201 (I)(2); District Rule 1203(D)(1)(g)(v)]

7. Owner/Operator shall insure that operating time, including start-up, for testing each boat's internal combustion engine does not exceed one (1) hour.
[District Rule 204]

8. 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]

9. 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]

10. 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]

11. 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]

12. 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]

13. 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]

14. 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]

15. 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.

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

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]

16. 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]

17. 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)]

18. 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]

19. 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)]

20. The total amount of VOC containing compounds and organic solvents as defined in District Rule 102 that can be released to the atmosphere from this facility (and any adjoining facility under common ownership and belonging to the same industrial grouping) shall not exceed 20 tons per year, calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. Increasing this limit will make the combined facility major for VOC, triggering offsets and BACT review. Records demonstrating compliance with this condition shall be maintained pursuant to Part II, Section B, condition 15.
[District Rule 1200 and District Rule 1303]

21. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and 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]

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

A. The following operating conditions apply to the equipment listed below:

- **SPRAY BOOTH, District Permit S007654**
- **SPRAY BOOTH, District Permit S009850**

1. This equipment, and any associated air pollution control equipment, shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. All coatings, diluents, thinners, solvents, polyester resin materials, application methods, and record keeping, shall comply with District Rules 442 and 1162 in their entirety. These rules pertain to Usage of Solvents and Polyester Resin Operations, respectively.

3. Discharge filters shall be installed and maintained in a tightly-mounted and dimensionally stable condition, free of excessive deposits or interference with airflow passages. The pressure drop across the discharge filters shall be within the range specified by the manufacturer and as measured by installed manometer.
[District Rule 1302(C)(2)]

4. The total amount of VOC containing compounds and organic solvents as defined in District Rule 102 that can be released to the atmosphere from this facility (and any adjoining facility under common ownership and belonging to the same industrial grouping) shall not exceed 20 tons per year, calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. Increasing this limit will make the combined facility major for VOC, triggering offsets and BACT review. Records demonstrating compliance with this condition shall be maintained pursuant to Part II, Section B, condition 15 of the Federal Operating Permit, as described in condition 5, below.
[District Rule 1303]

5. Owner/Operator must keep the records specified in paragraphs (a) through (d) of this section to demonstrate compliance with the VOC and non-VOC organic solvent emission limits of Part II, Section A, condition 24 of the Federal Operating Permit, as described in condition 4, above.
   (a) The following information which provides the information necessary to evaluate

compliance:

(i) The date of operation.
(ii) The manufacturer's name of each product.
(iii) The type of each product (i.e. resin, gelcoat, coating, solvent, fabric/carpet adhesive etc.)
(iv) The application method for each product.
(v) The amount used (i.e. pounds, gallons, etc.) of each product.
(vi) The VOC content of each product in weight/volume (i.e. pounds per gallon, grams per liter, etc.).
(vii) The weight (in percent) of each monomer (styrene, methyl methacrylate) for each product, if applicable. [District Rule 1162, District Rule 1200 and District Rule 1303]
(b) The total amount of VOC emissions, in tons, for each calendar month. [District Rule 1303]
(c) The total amount of VOC emissions, in tons, for each consecutive twelve-month period. [District Rule 1303]
(d Total daily use of non-VOC organic solvent in lb/day
(e) Thirty day rolling average of non-VOC organic solvent used in lb/month
(f) The Owner/Operator must keep each record for 5 years following the date that each record is generated. The Owner/Operator must keep each record on site for at least 2 years after the date that each record is generated. The Owner/Operator can keep the records offsite for the remaining 3 years. The Owner/Operator can keep the records on paper or an alternative media, such as microfilm, computer, computer disks, magnetic tapes, or on microfiche.

6. This facility is subject to 40 CFR 63, Subpart VVVV - National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing. This facility must comply with the requirements of 40 CFR 63, Subpart VVVV, as applicable.

7. This facility is classified as a Major Facility pursuant to District Rule 1201 as it has the potential to emit 10 tons per year of the Hazardous Air Pollutant of Styrene; therefore, this facility is required to meet the requirements of Title V of the Federal Clean Air Act (42 U.S.C. 7661-7661f). As such, this facility must comply with District Regulation XII - Federal Operating Permits and the associated issued Federal Operating Permit.

B. The following operating conditions apply to the equipment listed below:

- **GS CHOPPER GUN #1, District Permit P005246**
- **GS CHOPPER GUN #2, District Permit P005247**
- **GS CHOPPER GUN #3, District Permit P009257**
- **AIRLESS RESIN SPRAYER #1, District Permit P005248**
- **AIRLESS RESIN SPRAYER #2, District Permit P009256**
- **GS CHOPPER GUN #4, District Permit P014957**

1. This equipment, and any associated air pollution control equipment, shall be installed, operated, and maintained in strict accord with those recommendations of the

manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. All coatings, diluents, thinners, solvents, polyester resin materials, application methods, and record keeping, shall comply with District Rules 442 and 1162 in their entirety. These rules pertain to Usage of Solvents and Polyester Resin Operations, respectively.

3. The total amount of VOC containing compounds and organic solvents as defined in District Rule 102 that can be released to the atmosphere from this facility (and any adjoining facility under common ownership and belonging to the same industrial grouping) shall not exceed 20 tons per year, calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. Increasing this limit will make the combined facility major for VOC, triggering offsets and BACT review. Records demonstrating compliance with this condition shall be maintained pursuant to Part II, Section B, condition 15 of the Federal Operating Permit, as described in condition 4, below.
[District Rule 1303]

4. Owner/Operator must keep the records specified in paragraphs (a) through (d) of this section to demonstrate compliance with the VOC and non-VOC organic solvent emission limits of Part II, Section A, condition 24 of the Federal Operating Permit, as described in condition 3, above.
(a) The following information which provides the information necessary to evaluate compliance:
(i) The date of operation.
(ii) The manufacturer's name of each product.
(iii) The type of each product (i.e. resin, gelcoat, coating, solvent, fabric/carpet adhesive etc.)
(iv) The application method for each product.
(v) The amount used (i.e. pounds, gallons, etc.) of each product.
(vi) The VOC content of each product in weight/volume (i.e. pounds per gallon, grams per liter, etc.).
(vii) The weight (in percent) of each monomer (styrene, methyl methacrylate) for each product, if applicable. [District Rule 1162, District Rule 1200 and District Rule 1303]
(b) The total amount of VOC emissions, in tons, for each calendar month. [District Rule 1303]
(c) The total amount of VOC emissions, in tons, for each consecutive twelve-month period. [District Rule 1303]
(d Total daily use of non-VOC organic solvent in lb/day
(e) Thirty day rolling average of non-VOC organic solvent used in lb/month
(f) The Owner/Operator must keep each record for 5 years following the date that each record is generated. The Owner/Operator must keep each record on site for at least 2

years after the date that each record is generated. The Owner/Operator can keep the records offsite for the remaining 3 years. The Owner/Operator can keep the records on paper or an alternative media, such as microfilm, computer, computer disks, magnetic tapes, or on microfiche

5. This facility is subject to 40 CFR 63, Subpart VVVV - National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing. This facility must comply with the requirements of 40 CFR 63, Subpart VVVV, as applicable.

6. This facility is classified as a Major Facility pursuant to District Rule 1201 as it has the potential to emit 10 tons per year of the Hazardous Air Pollutant of Styrene; therefore, this facility is required to meet the requirements of Title V of the Federal Clean Air Act (42 U.S.C. 7661-7661f). As such, this facility must comply with District Regulation XII - Federal Operating Permits and the associated issued Federal Operating Permit.

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

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

B. OFF PERMIT CHANGES:

1. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
   (a) Permittee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of District Rule 219; and
      (i) The proposed change is not:
         a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See 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 *[See 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 *[See 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). *[See 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 District Regulation II. *[See 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 *[See District Rule 1203(E)(1)(c)(i)b.]*

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

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

3. Other Requirements:

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

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

PART VI
CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. CONVENTIONS

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

40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS)
40 CFR Part 60, Appendix F, Quality Assurance Procedures
40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
40 CFR Part 61, Subpart M, National Emission Standards for Asbestos
40 CFR Part 63, National Emission Standards For Hazardous Air Pollutants For Affected Source Categories
40 CFR Part 72, Permits Regulation (Acid Rain Program)
40 CFR Part 73, Sulfur Dioxide Allowance System
40 CFR Part 75, Continuous Emission Monitoring
40 CFR Part 75, Subpart D, Missing Data Substitution Procedures
40 CFR Part 75, Appendix B, Quality Assurance and Quality Control Procedures
40 CFR Part 75, Appendix C, Missing Data Estimating Procedures
40 CFR Part 75, Appendix D, Optional SO_2 Emissions Data Protocol
40 CFR Part 75, Appendix F, Conversion Procedures
40 CFR Part 75, 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

Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO_2	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)

MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH_3	ammonia
NMOC	non-methane organic compounds
NO_x	oxides of nitrogen
NO_2	nitrogen dioxide
O_2	oxygen
pH	pH (acidity measure of solution)
PM_{10}	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO_x	oxides of sulfur
SO_2	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure

PART VII
DISTRICT SIP HISTORY AND CITATIONS

A. District Rule SIP History

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

B. District Rule SIP Citations

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

Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Area	Rule Book Version	SIP Version	CFR	FR Date	FR Cite
Old SB	5 (a)	Public Availability of Emissions Data	SBC	None	Bef 02/73	40 CFR 52.220(c)(21)(xv)(A)	6/14/1978	43 FR 25684
RC	51	Nuisance	RC	MD 402, 07/25/1977 via Res. 94-03	Bef 02/72	40 CFR 52.220(c)(?)	5/31/1977	
RC	52	Particulate Matter - Concentration	RC	MD 405, 07/25/1977 via Res. 94-03	Bef 06/72	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
Old SB	52A	Particulate Matter - Concentration	SBC			40 CFR 52.220.(c)(1-2)	9/22/1972	34 FR 19812
Old SB	53A	Specific Air Contaminants	SBC			40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
RC	53	Specific Air Contaminants	RC			40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
Old SB	53.2	Sulfur Recovery Units	SBC			40 CFR 52.220.(c)(1-2)	9/22/1972	34 FR 19812
Old SB	53.3	Sulfuric Acid Units	SBC			40 CFR 52.220.(c)(1-2)	9/22/1972	34 FR

								19812
RC	54	Solid Particulate Matter, Weight	RC	MD 405, 07/25/1977 via Res. 94-03	Bef 06/72	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 4011
Old SB	54A	Solid Particulate Matter, Weight	SBC	MD 405, 07/25/1977	Unknown	40 CFR 52.240(a)(1)&(d)(1)(i)	1/16/1981	46 FR 3883
RC	56	Scavenger Plants	RC	None	G-73	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
RC	58	Disposal of Solid and Liquid Wastes	RC	MD 473, 7/25/77 via Reso 04-03	Bef 06/72	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
Old SB	58 A	Disposal of Solid and Liquid Wastes	SBC	MD 473, 07/25/77	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
Old SB	62.1	Sulfur Content of Natural Gas	SBC	None but See MD 431	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
Old SB	67	Fuel Burning Equipment	N/A	None but See MD 474 and 476	Bef 02/72	40 CFR 52.280(b)(1)(ii)(C)	6/9/1982	47 FR 25013
RC	67	Fuel Burning Equipment	RC	None but See MD 474 and 476	Bef 11/79	40 CFR 52.280(c)(1)(i)	5/18/1981	46 FR 27116

Old SB	69	Vacuum Producing Devices or Systems	SBC	Fed Neg Dec. 12/21/1994	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR3886
Old SB	70	Asphalt Air Blowing	SBC	Fed Neg Dec. 10/26/1994	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3886
RC	72	Fuel Burning Equipment	RC	MD 474, 01/22/1996 ; MD 475 03/16/1981 ; and MD 476 01/22/1996 via Res. 94-03	Bef 11/79	40 CFR 52.280(c)(1)(i)	5/18/1981	46 FR 27116
RC	73	Lead Content and Volatility of Gasoline	RC	None	G-73	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 4001
RC	74	Vacuum Producing Devices or Systems	RC	Fed Neg Dec12/21/1994	Bef 06/72	40 CFR 52.269(b)(3)(ii)(A)		
SC	101	Title	RC	7/1/1993 via Res. 94-03	Bef 11/77	FR Text	6/9/1982	47 FR 25013
SB	101	Title	SBC	7/1/1993	12/19/1998	40 CFR 52.220(c)(179)(i)(B)	11/27/1990	55 FR 49281

MD	102	Definition of Terms	MD			40 CFR 52.220(c)(520)(i)(A)(1)	7/2/2019	84 FR 31682
MD	102	Definition of Terms	MD	9/28/2020	(SIP Sub)			
MD	103	Definition of District Boundaries	MD	6/28/1995	Current	40 CFR 52.220(c)(224)(i)(C)(2)	6/3/1999	64 FR 29790
SB	103	Definition of Terms (Unknown rule - no record except in FR reference)	SBC	None	Bef 11/77	40 CFR 52.236(e)(3)(i)	1/16/1981	46 FR 3883
SC	104	Reporting of Source Data Analysis	RC			FR Text	6/9/1982	47 FR 25013
SB	104	Reporting of Source Data Analysis	SB	12/19/1988	Current	40 CFR 52.220(c)(179)(i)(B)(i)		
SC	106	Increments of Progress	RC			FR Text	6/9/1982	47 FR 25013
SB	106	Increments of Progress	SB	12/19/1988	Current	40 CFR 52.220(c)(179)(i)(B)(i)	11/27/1990	55 FR 49281
MD	107	Certification and Emissions Statements	MD	9/14/1992	Current	40 CFR 52.220(c)(190)(i)(F)(1)	5/26/2004	69 FR 29880
SC	107	Determination of Volatile Organic Compounds in Coating Material	RC		Bef 3/1/82	40 CFR 52.220(c)(121)(c)(v)(B)	10/11/1983	48 FR 46046
SC	108	Alternate Emission Control Plans	RC	None	4/6/1990	40 CFR 52.220(c)(182)(i)(A)(3)	8/30/1993	58 FR 45445

SC	109	Record keeping for Volatile Organic Compound Emissions				40 CFR 52.220(c)(182)(i)(A)(2)	8/30/1993	58 FR 45444
SB	201	Permit to Construct	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	201	Permit to Construct	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	202	Temporary Permit to Operate	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	202	Temporary Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	203	Permit to Operate	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	203	Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	204	Permit Conditions	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	204	Permit Conditions	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	205	Cancellation of	SBC	7/25/1977	G-73	40 CFR	11/9/1978	43 FR

		Application				52.220(c)(39)(ii)(B)		52237
SC	205	Cancellation of Application	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
MD	206	Posting of Permit To Operate	MD	2/22/2021	Current		6/30/2023	88 FR 42258
SB	207	Altering or Falsifying of Permit	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	207	Altering or Falsifying of Permit	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	208	Permit for Open Burning	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	208	Permit for Open Burning	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	209	Transfer and Voiding of Permit	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	209	Transfer and Voiding of Permit	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	212	Standards for Approving Permits	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	212	Standards for Approving	RC	7/25/1977	5/1/1987	40 CFR	2/3/1989	54 FR

		Permits		via Res. 94-03		52.220(c)(173)(i)(A)(1)		5448
SB	212	Standards for Approving Permits	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	217	Provision for Sampling and Testing Facilities	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	217	Provision for Sampling and Testing Facilities	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SO	218	Stack Monitoring	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	218	Stack Monitoring	RC	7/25/1977 via Res. 94-03	Bef 10/81	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
MD	219	Equipment Not Requiring a Written Permit	MD	1/25/2021	Current		6/30/2023	88 FR 42258
SC	220	Exemtion, Net Increase in Emissions	RC	11/25/1991 via Res. 94-03	8/7/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SC	221	Plans	RC	None	1/4/1985	40 CFR 52.220(c)(165)(i)(B)(1)	4/17/1987	52 FR 12522
MD	221	Federal Operating Permit Requirement	MD	2/28/2011	2/21/1994	40 CFR 52.220(c)(216)(i)(A)(2)	2/5/1996	61 FR 4217
MD	221	Federal Operating Permit	MD	2/28/2011	(SIP Sub)			

		Requirement						
MD	222	Limitation on Potential to Emit	MD	2/28/2011	7/31/1995	40 CFR 52.220(c)(225)(i)(H)(1)	8/31/2004	69 FR 53005
SC	301.2	Fee Schedules	RC	None	6/3/1983	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
MD	315	Federal Clean Air Act Section 185 Penalty	MD	2/23/2023	(SIP Sub)			
MD	315.1	Federal Clean Air Act Section 185 Penalty (1997 Standard)	MD	3/28/2022	(SIP Sub)			
MD	315.2	Federal Clean Air Act Section 185 Penalty (2008 Standard)	MD	3/28/2022	(SIP Sub)			
SC	401	Visible Emissions	RC		3/2/1984	40 CFR 52.220(c)(155)(iv)(B)	1/29/1985	50 FR 3906
MD	401	Visible Emissions	MD	8/26/2019	(SIP Sub)		7/20/2023	88 FR 46723
MD	401	Visible Emissions	MD	10/23/2023	(SIP Sub)			
MD	402	Nuisance	MD	7/25/1977	Not SIP			
SB	403	Fugitive Dust	SBC		G-73	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
SC	403	Fugitive Dust	RC			FR Text	6/9/1982	47 FR 25013

MD	403	Fugitive Dust	MD	9/28/2020				
MD	403.1	Respirable Particulate Matter in SVPA	MD		11/25/1996	40 CFR 52.220(c)(224)(i)(C)(2)	8/13/2009	74 FR 40750
SB	404	Particulate Matter, Concentration	SB	7/25/1977	7/25/1977	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52482
SC	404	Particulate Matter, Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	FR Text	6/9/1982	47 FR 25013
SC	404	Particulate Matter, Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
MD	404	Particulate Matter - Concentration	MD	2/28/2022	(SIP Sub)			
SB	405	Solid Particulate Matter, Weight	SB	7/25/1997	7/25/1977	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489
SC	405	Solid Particulate Matter, Weight	RC	7/25/1977 via Res. 94-03	5/7/1976	FR Text	6/9/1982	47 FR 25013
MD	405	Solid Particulate Matter, Weight	MD	2/28/2022	(SIP Sub)			
MD	406	Specific Contaminants	RC	2/20/1979 via Res. 94-03	RC Rule 53			
SB	406	Specific Contaminants	SBC	2/20/1979	7/25/1977	40 CFR	12/21/1978	43 FR

						52.220(c)(42)(xiii)(A)		59489
MD	406	Specific Contaminants	MD	3/28/2022	(SIP Sub)			
SB	407	Liquid and Gaseous Air Contaminants	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	407	Liquid and Gaseous Air Contaminants	RC	7/25/1977 via Res. 94-03	4/2/1982	40 CFR 52.220(c)(124)(iv)(A)	11/10/1982	47 FR 50864
MD	407	Liquid and Gaseous Air Contaminants	MD	3/28/2022	(SIP Sub)			
SB	408	Circumvention	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	408	Circumvention	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
MD	408	Circumvention	MD	4/25/2022	(SIP Sub)			
SB	409	Combustion Contaminants	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	409	Combustion Contaminants	RC	7/25/1977 via Res. 94-03	8/7/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
MD	409	Combustion Contaminants	MD	4/25/2022	(SIP Sub)			
SB	431	Sulfur Content of Fuels	SB	7/25/1977	G-73	40 CFR	9/8/1978	43 FR

						52.220(c)(39)(ii)(B)		40011
MD	431	Sulfur Content of Fuels	MD	9/28/2020	(SIP Sub)			
SC	431.1	Sulfur Content of Gaseous Fuels	RC	See MD 431	5/6/1983	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
SC	431.2	Sulfur Content of Liquid Fuels	RC	See MD 431	Bef 8/80	FR Text	6/9/1982	47 FR 25013
SC	431.3	Sulfur Content of fossil Fuels	RC	See MD 431	Bef 8/80	FR Text	6/9/1982	47 FR 25013
SB	432	Gasoline Specifications	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
SC	432	Gasoline Specifications	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
MD	432	Gasoline Specifications	MD	4/25/2022	(SIP Sub)			
MD	442	Usage of Solvents	MD	2/27/2006	Current	40 CFR 52.220(c)(347)(i)(C)(1)	9/17/2007	72 FR 52791
SB	443	Labeling of Solvents	SB			40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	443	Labeling of Solvents	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
MD	444	Open Fires	MD	9/25/2006	Current	40 CFR 52.220(c)(350)(B)(1)	10/31/2007	72 FR 61525

MD	461	Gasoline Transfer and Dispensing	MD			40 CFR 52.220(c)(198)(i)(E)(1)	5/3/1995	60 FR 21702
MD	461	Gasoline Transfer and Dispensing	MD	1/22/2018	Current	40 CFR 52.220(c)(518)(i)(A)(3)	5/1/2020	85 FR 25293
MD	462	Organic Liquid Loading	MD	1/22/2018	Current	40 CFR 52.220(c)(518)(i)(A)(4)	5/1/2020	85 FR 25293
MD	463	Storage of Organic Liquids	MD	1/22/2018	Current	40 CFR 52.220(c)(518)(i)(A)(5)	5/1/2020	85 FR 25293
MD	464	Oil Water Separators	MD	6/12/2014	Current	40 CFR 52.220(c)(457)(i)(B)(1)	6/5/2015	80 FR 32026
SC	465	Vacuum Producing Devices or Systems	RC	Rescinded & Fed. Neg. Dec 12/21/1994	Bef 5/91	40 CFR 52.220(c)(184)(i)(B)(2)	8/11/1992	57 FR 35759
MD	465	Vacuum Producing Devices or Systems (Rescinded)	MD	Rescinded & Fed. Neg. Dec 12/21/1994	Not SIP	40 CFR 52.222(a)(1)(iii)	9/11/1995	60 FR 47074
SC	466	Pumps and Compressors	RC	Rescinded & See 1102 10/26/94	Bef 12/83	40 CFR 52.220(c)(166)(i)(A)(1)	1/15/1987	52 FR 1627
MD	466	Pumps and Compressors (Rescinded)	MD	Rescinded & See 1102 10/26/94	Not SIP	40 CFR 52.220(c)(39)(ii)(G)	8/19/1999	64 FR 45175

SC	466.1	Valves and Flanges	RC	None	5/2/1980	FR Text	6/9/1982	47 FR 25013
SB	468	Sulfur Recovery Units	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	468	Sulfur Recovery Units	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
MD	468	Sulfur Recovery Units	MD	8/22/2022	(SIP Sub)			
SB	469	Sulfuric Acid Units	SB	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	469	Sulfuric Acid Units	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
MD	469	Sulfuric Acid Units	MD	8/22/2022	(SIP Sub)			
SC	470	Asphalt Air Blowing	RC	N/A	G-73	FR Text	6/9/1982	47 FR 25013
MD	471	Asphalt Roofing Operations		12/21/1994	Current	40 CFR 52.220(c)(210)(i)(C)(2)	2/29/1996	61 FR 7706
SB	472	Reduction of Animal Matter	SBC	7/21/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	472	Reduction of Animal Matter	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013

MD	472	Reduction of Animal Matter	MD	7/21/2022	(SIP Sub)			
SB	473	Disposal of Liquid and Solid Wastes	SB	7/25/1977	G-73	40 CFR 52.220(c)(39(ii)(C)	9/8/1978	43 FR 40011
MD	473	Disposal of Liquid and Solid Wastes	MD	TBD	(SIP Sub)			
MD	474	Fuel Burning Equipment - Oxides of Nitrogen	MD	8/25 1997	Current	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
MD	475	Electric Power Generating Equipment	MD	8/25/1997	Current	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
MD	476	Steam Generating Equipment	MD	8/25/1997	Current	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
SB	480	Natural Gas Fired Control Devices	SBC	2/20/1979	Current	40 CFR 52.220(c)(51)(xii)(A)	1/27/1981	46 FR 8471
MD	480	Natural Gas Fired Control Devices (Rescinded)	MD	9/26/2022	(SIP Sub)			
SC	481	Spray Coating Operations	RC	1113, 1114, 1115 & 1116	5/5/1978	FR Text	6/9/1982	47 FR 25013
SC	501	General	RC	6/10/2019	Bef 8/80	FR Text	6/9/1982	47 FR 25013
MD	701	Emergencies (Consolidation of Reg VII)	MD	9/26/2022	(SIP Sub)			

MD	900	Standards of Performance for New Stationary Sources	MD	1/24/2022	Delegated			
MD	1000	National emissions Standards for Hazardous Air Pollutants	MD	1/24/2022	Delegated			
SC	1101	Secondary Lead Smelters/Sulfur Oxides (SC Adopted 10/7/77)	RC	None	4/4/1980	FR Text	6/9/1982	47 FR 25013
SC	1102	Petroleum Solvent Dry Cleaners (SC Amended 12/7/90)	RC	None	12/7/1990	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
MD	1102	Fugitive Emissions of VOC's from Components at Pipeline Transfer Stations	MD	10/26/1994	Current	40 CFR 52.220(c)(207)(i)(D)	9/27/1995	60 FR 49772
SC	1102.1	Perchloroethylene Dry Cleaning Systems	RC	None	12/7/1990	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
SC	1103	Pharmaceuticals and Cosmetics Manufacturing Operation	RC	None	4/6/1980	40 CFR 52.220(c)(69)(iii)	7/8/1982	47 FR 29668
MD	1103	Cutback and Emulsified Asphalt	MD	12/21/1994	Current	40 CFR 52.220(c)(207)(i)(C)(1)	2/5/1996	61 FR 4215
SC	1104	"Wood Flat Stock Coating Operations				40 CFR 52.220(c)(186)(i)(C)(1)	6/23/1994	59 FR 32354

(SC Amended 8/2/91)"	RC	None	3/1/1991			40 CFR 52.220(c)(519)(i)(A)(1)	7/2/2019	84 FR 31682
MD	1104	Organic Solvent Degreasing Operations	MD	4/23/2018	Current	40 CFR 52.220(c)(159)(v)(C)	7/12/1990	55 FR 28625
SC	1105	Fluid Catalytic Cracking Units Oxides of Sulfur (SC Adopted 9/8/84)	RC	None	9/8/1984	40 CFR 52.220(c)(498)(i)(B)(1)	2/12/2018	83 FR 5940
MD	1106	Marine & Pleasure Craft Coating Operations	MD	10/24/2016	Current	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66285
SC	1107	Miscellaneous Metal Parts, Products and Coatings Operations.	RC	None	9/6/1991	40 CFR 52.220(c)(160)(i)(E)(1)	7/12/1990	55 FR 28624
SC	1108	Cutback Asphalt	RC	None	2/1/1985	40 CFR 52.220(c)(153)(vii)(A)	1/24/1985	50 FR 3339
SC	1108.1	Emulsified Asphalt	RC	None	Bef 3/84	40 CFR 52.220(c)(121)(i)(C)	5/3/1984	49 FR 18822
SC	1110	Emissions from Stationary Internal Combustion Engines.	RC	None	Bef 3/82	40 CFR 52.220(c)(148)(vi)(A)	5/3/1984	49 FR 18830
SC	1111	NOx Emissions from Natural Gas Fired, Fan Type Central Furnaces	RC	None	Bef 10/83	40 CFR 52.220(c)(154)(vii)(B)	1/7/1986	51 FR 600

SC	1112	Emissions of Oxides of Nitrogen from Cement Kilns	RC	None	1/6/1984	40 CFR 52.220(c)(155)(iv)(A)	1/24/1985	50 FR 3339
SC	1113	Architectural Coatings	RC		Bef 7/84	40 CFR 52.220(c)(428)(i)(C)(1)	1/3/2014	79 FR 365
MD	1113	Architectural Coatings	MD	4/23/2012	4/23/2012			
MD	1113	Architectural Coatings	MD	10/26/2020	(SIP Sub)	40 CFR 52.220(c)(558)(i)(a)(1)	7/28/2021	86 FR 40335
MD	1114	Wood Products Coating Operations	MD	8/24/2020	Current	40 CFR 52.220(c)(189)(i)(A)(1)	12/20/1993	58 FR 66282
SC	1115	Motor Vehicle Assembly and Component Coating Operations	RC	None	3/6/1992	40 CFR 52.220(c)(571)(i)(A)(1)	5/9/2022	87 FR 27526
MD	1115	Metal Parts & Products Coating Operations	MD	6/8/2020	Current	40 CFR 52.220(c)(388)(i)(F)(1)	8/9/2012	77 FR 47536
MD	1116	Automotive Refinishing Operations	MD	8/23/2010	Current	40 CFR 52.220(c)(159)(v)(D)	7/12/1990	55 FR 28624
SC	1117	Emissions of Oxides of Nitrogen from Glass Melting Furnaces	RC	None	SC 1/6/1984	40 CFR 52.220(c)(381)(i)(H)(1)	3/1/2012	77 FR 12495
MD	1117	Graphic Arts	MD					
MD	1117	Graphic Arts	MD	8/24/2020	(SIP Sub)	40 CFR 52.220(c)(485)(i)(B)(1)	6/21/2017	82 FR 28240

MD	1118	Aerospace Vehicle Parts & Products Coating Operations	MD					
MD	1118	Aerospace Assembly, Rework and Component Manufacturing Operations	MD	6/8/2020	(SIP Sub)	40 CFR 52.220(c)(88)(iii)(A)	9/28/1981	46 FR 47451
SC	1119	Petroleum Coke Calcining Operations Oxides of Sulfur	RC	None	3/2/1979	40 CFR 52.220(c)(65)(ii)	9/28/1981	46 FR 47451
SC	1120	Asphalt Pavement Heaters	RC	None	8/4/1978	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451
SC	1121	Control of Nitrogen Oxides from Residential Type Natural Gas Fired Water Heaters	RC	None	12/1/1978			
MD	1121	Control of Nitrogen Oxides from Residential Type Natural Gas Fired Water Heaters	MD	10/23/2023	(SIP Sub)	40 CFR 52.220(c)(148)(vi)(B)	10/3/1984	49 FR 39057
SC	1122	Solvent Metal Cleaners (Degreasers)	RC	None	7/8/1983	40 CFR 52.220(c)(184)(i)(B)(2)	8/11/1992	57 FR 35758
SC	1123	Refinery Process Turnaround	RC	None	SC 12/7/1990	40 CFR 52.220(c)(154)(vii)(A)	1/24/1985	50 FR 3339

SC	1124	Aerospace Assembly and Component Coating Operations	RC	None	1/6/1984	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17897
SC	1125	Metal Container, Closure and Coil Coating Operations	RC	None	SC 8/2/1991	40 CFR 52.220(c)(189)(i)(A)(2)	12/20/1993	58 FR 66286
SC	1126	Magnet Wire Coating Operations	RC	None	SC 3/6/1992	40 CFR 60.23		
MD	1126	Municipal Solid Waste Landfills	MD	8/28/2000	Not SIP	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66287
SC	1128	Paper, Fabric and Film Coating Operations	RC	None	SC 2/7/1992	40 CFR 52.220(c)(193)(i)(A)(2)	4/14/1994	59 FR 17698
SC	1130	Graphic Arts	RC	None	Bef 5/1993	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17698
SC	1136	Wood Furniture and Cabinet Coatings	RC	None	Bef 5/92	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451
SC	1140	Abrasive Blasting	RC		2/1/1980	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66286
SC	1141	Control of Volatile Organic Compound Emissions from Resin Manufacturing	RC	None	SC 4/3/1992	40 CFR 52.220(c)(153)(vii)(B)	1/24/1985	50 FR 3339
SC	1141.1	Coatings and Ink Manufacturing	RC	None	11/4/1983	40 CFR 52.220(c)(156)(vii)(A)	1/15/1987	52 FR 1627

SC	1141.2	Surfactant Manufacturing	RC	None	SC 7/6/1984	40 CFR 52.220(c)(191)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1145	Plastic, Rubber and Glass Coatings	RC	None	SC 1/10/1992	40 CFR 52.220(c)(127)(vii)(c)	10/19/1984	40 FR 41028
SC	1148	Thermally Enhanced Oil Recovery Wells	RC		11/5/1982	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1151	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations	RC	None	Bef 5/13/1993	40 CFR 52.220(c)(184)(i)(B)(3)	9/29/1993	58 FR 50850
SC	1153	Commercial Bakery Ovens	RC	None	SC 1/4/1991	40 CFR 52.220(c)(248)(i)(D)	4/20/1999	64 FR 19277
MD	1157	Boilers and Process Heaters	MD	1/22/2018	5/19/1997	40 CFR 52.220(c)((518)(i)(A)(10)	6/16/2023	88 FR 39366
MD	1157	Boilers and Process Heaters	MD	1/22/2018	(SIP Sub)	40 CFR 52.220(c)(153)(vii)(B)	1/15/1987	52 FR 1627
SC	1158	Storage, Handling and Transport of Petroleum Coke	RC	None	12/2/1983	40 CFR 52.220(c)(254)(i)(H)(2)	7/20/1999	64 FR 38832
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	8/25/1997			
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	Withdrawn	40 CFR 52.220(c)(168)(I)(H)	7/12/1990	55 FR 28622
SC	1159	Nitric Acid Units -	RC	None	SC	40 CFR	10/25/2012	77 FR

		Oxides of Nitrogen			12/6/1985	52.220(c)(379)(i)(E)(1)		65133
MD	1159	Stationary Gas Turbines	MD	9/28/2009	Current	40 CFR 52.220(c)(518)(i)(A)(7)	9/10/2021	86 FR 50643
MD	1160	Internal Combustion Engines	MD		1/22/2018			
MD	1160	Internal Combustion Engines	MD	1/23/2023	(SIP Sub)	40 CFR 52.220(c)(518)(i)(A)(9)	6/2/2023	88 FR 36249
MD	1161	Portland Cement Kilns	MD	1/22/2018	Current	40 CFR 52.220(c)(354)(i)(B)(1)	11/24/2008	73 FR 70883
MD	1162	Polyester Resin Operations	MD	1/22/2018	8/27/2007	40 CFR 52.220(c)(519)(i)(A)(1)	2/27/2020	85 FR 11812
MD	1162	Polyester Resin Operations	MD	1/22/2018	Current	40 CFR 52.220(c)(184)(i)(B)(2)	9/29/1993	58 FR 50850
SC	1164	Semiconductor Manufacturing Operations		2/7/1990		40 CFR 52.220(c)(364)(i)(D)(1)	7/2/2012	77FR 39181
MD	1165	Glass Melting Furnaces	MD	8/12/2008	Current			
MD	1168	Adhesive & Sealant Applications	MD	4/27/2020	(SIP Sub)	40 CFR 52.220(c)(188)(i)(C)(1)	12/20/1993	58 FR66285
SC	1171	Solvent Cleaning	RC	None	SC 8/2/1991	40 CFR 52.220(c)(182)(i)(A)(1)	10/26/1992	57 FR 48457
SC	1175	Control of Emissions from the Manufacture of Polymeric Cellular	RC		1/5/1990	40 CFR 52.220(c)(182)(i)(A)(1)	10/26/1992	57 FR 48459

		(Foam) Products						
SC	1176	Sumps and Wastewater Separators	RC	1/5/1990	1/5/1990			
MD	1200	General (Federal Operating Permit)	MD	2/28/2011				
MD	1201	Definitions (Federal Operating Permit)	MD	9/26/2005				
MD	1202	Applications	MD	9/26/2005				
MD	1203	Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1205	Modifications of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1206	Reopening, Reissuance and Termination of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1207	Notice and Comment (Federal Operating Permit)	MD	9/26/2005				
MD	1208	Certification (Federal	MD	9/26/2005				

		Operating Permit)						
MD	1209	Appeals (Federal Operating Permit)	MD	9/26/2005				
MD	1210	Acid Rain Provisions of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1211	Greenhouse Gas Provisions of Federal Operating Permits (Federal Operating Permit)	MD	2/28/2011		40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1300	General	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1300	General	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1301	Definitions	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1301	Definitions	MD		(SIP Sub)			
MD	1301	Definitions	MD	3/25/2024	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1302	Procedure	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1302	Procedure	MD		(SIP Sub)			

MD	1302	Procedure	MD	3/25/2024	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1303	Requirements	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1303	Requirements	MD	3/22/2021	(SIP Sub)			
MD	1303	Requirements	MD	3/25/2024	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1304	Emissions Calculations	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1304	Emissions Calculations	MD	3/22/2021	(SIP Sub)			
MD	1304	Emissions Calculations	MD	3/25/2024	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1305	Emissions Offsets	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1305	Emissions Offsets	MD	3/22/2021	(SIP Sub)			
MD	1305	Emissions Offsets	MD	3/25/2024	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1306	Electric Energy Generating Facilities	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1306	Electric Energy Generating Facilities	MD	3/22/2021	(SIP Sub)			
MD	1310	Federal Major Facilities and Federal Major	MD	Rescinded 3/22/21	(SIP Sub)	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215

		Modifications						
MD	1400	General (Emission Reduction Credits)	MD	6/28/1995	Current	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1401	Definitions (Emissions Reduction Credits)	MD	6/28/1995	Current		6/30/2023	88 FR 42258
MD	1402	Emission Reduction Credits Registry	MD	5/19/1997	App	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1404	Emission Reduction Credit Calculations	MD	6/28/1995	Current			
MD	1520	Control of Toxic Air Contaminants From Existing Sources	MD	3/25/2019	(SIP Sub)			
MD	1600	Prevention of Significant Deterioration	MD	3/22/2021	(SIP Sub)			
MD	2001	Transportation Conformity	MD	2/22/1995	??	40 CFR 52.220(c)(231)(i)(C)(1)	4/23/1999	64 FR 19916
MD	2002	General Federal Actions Conformity	MD	10/26/1994	Current	40 CFR 52.222(a)(1)(ii)	9/11/1995	60 FR 47074
MD	FND	Fed. Neg. Dec. - Asphalt Air Blowing	MD		Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Air Oxidation Process - SOCMI	MD	1/22/2007	Current			

MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	RC	5/25/1994 via Res. 94-03	Unknown		1/31/1995	60 FR 38
MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	SBC	5/25/1994	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Equipment Leaks from Natural Gas/Gasoline Processing Plants	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Fugitive Emissions From Synthetic Organic chemical Polymer and Resin manufacturing Equipment	MD	8/23/2010	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Industrial Wastewater	MD		Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Large Petroleum Dry Cleaners	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Leaks from Petroleum Refinery Equipment	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Manufacture of High-Density Polyethylene, Polypropylene, and	MD	8/23/2010	Current			

		Polystyrene Resins						
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	RC	5/25/1994 via Res. 94-03	Unknown	40 CFR 52.222(a)(1)(i)	1/31/1995	60 FR 38
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	SBC	5/25/1994	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Offset Lithography	MD		Current			
MD	FND	Fed. Neg. Dec. - Orchard & Citrus Heaters	MD	6/24/1996	??	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Petroleum Refinery Equipment	MD	8/23/2010	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (Business Machines)	MD		Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (other)	MD		Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Pheumatic Rubber Tire Manufacturing	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec - Polymer Manufacturing SOCMI and Polymer	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153

		manufacturing Equipment Leaks						
MD	FND	Fed. Neg. Dec. - Process Unit Turnarounds	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Reactor Processes and Distillation Operations in SOCMI	MD	1/22/2007	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Ship Building	MD		Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Cans	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Coils	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Fabrics	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Large Apppliances	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Magnet Wire	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg. Dec. - Surface Coating Operations at Automotive and Light	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153

		Duty Truck Assembly Plants						
MD	FND	Fed. Neg. Dec. - Synthesized Pharmaceutical Products	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Batch Processing	MD		Current	40 CFR 52.222(a)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Industry	MD		Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Reactors	MD		Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Polymer and Resin Manufacturing	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Vacuum Producing Devices	MD	1/22/2007	Current	40 CFR 52.220(c)(519)(ii)(A)(1) and 52.222(a)(1)(viii)	2/27/2020	85 FR 11812

MD	FND	Fed Neg. Dec - 2 CTGs for Miscellaneous Metal and Plastic Parts Coatings, Table 3—Plastic Parts and Products, and Table 4—Automotive/Transportation and Business Machine Plastic Parts	MD	4/23/2018	Current	40 CFR 52.220(c)(531)(ii)(A)(1) and 52.222(a)(1)(ix)	2/27/2020	85 FR 11812
MD	FND	"Fed Neg Dec - 1 CTG for Miscellaneous Metal				40 CFR 70 Apx. A California (q)(2)	12/17/2001	66 FR 63503
and Plastic Parts Coatings (EPA–453/R–						40 CFR 70 Apx. A California (q)(3)	10/15/2002	67 FR 63551

08–003), Table 6—Motor Vehicle								
Materials."	MD	10/22/2018	Current					
MD	Title V	Program - Federal Operation Permits: Title V	MD				4/30/2013	78 FR 25185
MD	Title V	Program - Federal Operation Permits: Title V	MD		Unknown			

MD	MACT	MACT Delegation (Sections A, F, G, H, I, J, L, M, N, O, Q, R, S, T, U, W, X, Y, AA, BB, CC, DD, EE, GG, HH, II, JJ KK, LL, MM, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, CCC, DDD, EEE, GGG, HHH, III, JJJ, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, TTT, UUU, VVV, XXX, AAAA, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, IIII, JJJJ, KKKK, MMMM, NNNN, OOOO, PPPP, QQQQ, RRRR, SSSS, TTTT,UUUU, VVVV, WWWW, XXXX, YYYY, ZZZZ,AAAAA, BBBBB, CCCCC, DDDDD, EEEEE, FFFFF, GGGGG,HHHHH, IIIII, JJJJJ, KKKKK, LLLLL, MMMMM, NNNNN,PPPPP,QQQQQ, RRRRR, SSSSS,TTTTT,WWWW	MD	Rule 1000 1/24/2022	Current			

		W,YYYYY, ZZZZZ, BBBBBB, CCCCCC, DDDDDD, EEEEEE, FFFFFF, GGGGGG, HHHHHH, JJJJJJ, LLLLLL, MMMMMM, NNNNNN, OOOOOO, PPPPPP, QQQQQQ, RRRRRR, SSSSSS, TTTTTT, VVVVVV, WWWWWW, XXXXXX, YYYYYY, ZZZZZZ, AAAAAAA, BBBBBBB, CCCCCCC, DDDDDDD, EEEEEEE.						

Appendix A
40 CFR 63, Subpart VVVV: Tables 1, 2, 3, 5, 6, 7 and 8

Table 1 to Subpart VVVV of Part 63—Compliance Dates for New and Existing Boat Manufacturing Facilities

As specified in §63.5695, you (Owner/Operator) must comply by the dates in the following table:

If your facility is—	And—	Then you must comply by this date—
1. An existing source	Is a major source on or before August 22, 2001[1]	August 23, 2004.
2. An existng or new area source	Becomes a major source after August 22, 2001[1]	1 year after becoming a major source or August 22, 2002, whichever is later.
3. A new source	Is a major source at startup[1]	Upon startup or August 22, 2001, whichever is later.

[1]Your facility is a major source if it is a stationary source or group of stationary sources located within a contiguous area and under common control that emits or can potentially emit, considering controls, in the aggregate, 9.1 megagrams or more per year of a single hazardous air pollutant or 22.7 megagrams or more per year of a combination of hazardous air pollutants.

Table 2 to Subpart VVVV of Part 63—Alternative Organic HAP Content Requirements for Open Molding Resin and Gel Coat Operations

As specified in §§63.5701(b), 63.5704(b)(2), and 63.5713(a), (b), and (d), you (Owner/Operator) must comply with the requirements in the following table:

For this operation—	And this application method—	You must not exceed this weighted-average organic HAP content (weight percent) requirement—
1. Production resin operations	Atomized (spray)	28 percent.
2. Production resin operations	Nonatomized (nonspray)	35 percent.
3. Pigmented gel coat operations	Any method	33 percent.
4. Clear gel coat operations	Any method	48 percent
5. Tooling resin operations	Atomized (spray)	30 percent.
6. Tooling resin operations	Nonatomized (nonspray)	39 percent.
7. Tooling gel coat operations	Any method	40 percent.

Table 3 to Subpart VVVV of Part 63—MACT Model Point Value Formulas for Open Molding Operations[1]

As specified in §§63.5710(d) and 63.5714(a), you (Owner/Operator) must calculate point values using the formulas in the following table:

For this operation—	And this application method—	Use this formula to calculate the MACT model plant value for each resin and gel coat—
1. Production resin, tooling resin	a. Atomized	$0.014 \times (\text{Resin HAP\%})^{2.425}$
	b. Atomized, plus vacuum bagging with roll-out	$0.01185 \times (\text{Resin HAP\%})^{2.425}$
	c. Atomized, plus vacuum bagging without roll-out	$0.00945 \times (\text{Resin HAP\%})^{2.425}$
	d. Nonatomized	$0.014 \times (\text{Resin HAP\%})^{2.275}$
	e. Nonatomized, plus vaccum bagging with roll-out	$0.0110 \times (\text{Resin HAP\%})^{2.275}$
	f. Nonatomized, plus vacuum bagging without roll-out	$0.0076 \times (\text{Resin HAP\%})^{2.275}$
2. Pigmented gel coat, clear gel coat, tooling gel coat	All methods	$0.445 \times (\text{Gel coat HAP\%})^{1.675}$

[1]Equations calculate MACT model point value in kilograms of organic HAP per megagrams of resin or gel coat applied. The equations for vacuum bagging with roll-out are applicable when a facility rolls out the applied resin and fabric prior to applying the vacuum bagging materials. The equations for vacuum bagging without roll-out are applicable when a facility applies the vacuum bagging materials immediately after resin application without rolling out the resin and fabric. HAP% = organic HAP content as supplied, expressed as a weight-percent value between 0 and 100 percent.

[66 FR 44232, Aug. 22, 2001; 66 FR 50504, Oct. 3, 2001]

Table 5 to Subpart VVVV of Part 63—Default Organic HAP Contents of Solvents and Solvent Blends

As specified in §63.5758(a)(6), when detailed organic HAP content data for solvent blends are not available, you (Owner/Operator) may use the values in the following table:

Solvent/solvent blend	CAS No.	Average organic HAP content, percent by mass	Typical organic HAP, percent by mass
1. Toluene	108–88–3	100	Toluene.
2. Xylene(s)	1330–20–7	100	Xylenes, ethylbenzene.
3. Hexane	110–54–3	50	n-hexane.
4. n-hexane	110–54–3	100	n-hexane.
5. Ethylbenzene	100–41–4	100	Ethylbenzene.
6. Aliphatic 140		0	None.
7. Aromatic 100		2	1% xylene, 1% cumene.
8. Aromatic 150		9	Naphthalene.
9. Aromatic naptha	64742–95–6	2	1% xylene, 1% cumene.
10. Aromatic solvent	64742–94–5	10	Naphthalene.
11. Exempt mineral spirits	8032–32–4	0	None.
12. Ligroines (VM & P)	8032–32–4	0	None.
13. Lactol spirits	64742–89–6	15	Toluene.
14. Low aromatic white spirit	64742–82–1	0	None.
15. Mineral spirits	64742–88–7	1	Xylenes.
16. Hydrotreated	64742–	0	None.

Solvent/solvent blend	CAS No.	Average organic HAP content, percent by mass	Typical organic HAP, percent by mass
naphtha	48–9		
17. Hydrotreated light distillate	64742–47–8	0.1	Toluene.
18. Stoddard solvent	8052–41–3	1	Xylenes.
19. Super high-flash naphtha	64742–95–6	5	Xylenes.
20. Varol®solvent	8052–49–3	1	0.5% xylenes, 0.5% ethyl benzene.
21. VM & P naphtha	64742–89–8	6	3% toluene, 3% xylene.
22. Petroleum distillate mixture	68477–31–6	8	4% naphthalene, 4% biphenyl.

Table 6 to Subpart VVVV of Part 63—Default Organic HAP Contents of Petroleum Solvent Groups

As specified in §63.5758(a)(6), when detailed organic HAP content data for solvent blends are not available, you (Owner/Operator) may use the values in the following table:

Solvent type	Average organic HAP content, percent by mass	Typical organic HAP, percent by mass
Aliphatic (Mineral Spirits 135, Mineral Spirits 150 EC, Naphtha, Mixed Hydrocarbon, Aliphatic Hydrocarbon, Aliphatic Naptha, Naphthol Spirits, Petroleum Spirits, Petroleum Oil, Petroleum Naphtha, Solvent Naphtha, Solvent Blend.)	3	1% Xylene, 1% Toluene, and 1% Ethylbenzene.
Aromatic (Medium-flash Naphtha, High-flash Naphtha, Aromatic Naphtha, Light Aromatic Naphtha, Light Aromatic Hydrocarbons, Aromatic Hydrocarbons, Light Aromatic Solvent.)	6	4% Xylene, 1% Toluene, and 1% Ethylbenzene.

Table 7 to Subpart VVVV of Part 63—Applicability and Timing of Notifications

As specified in §63.5761(a), you (Owner/Operator) must submit notifications according to the following table:

If your facility—	You must submit—	By this date—
1. Is an existing source subject to this subpart	An initial notification containing the information specified in §63.9(b)(2)	No later than the dates specified in §63.9(b)(2).
2. Is a new source subject to this subpart	The notifications specified in §63.9(b) (3) to (5)	No later than the dates specified §63.9(b)(4) and (5).
3. Qualifies for a compliance extension as specified in §63.9(c)	A request for a compliance extension as specified in §63.9(c)	No later than the dates specified in §63.6(i).
4. Is complying with organic HAP content limits, application equipment requirements; or MACT model point value averaging provisions	A notification of compliance status as specified in §63.9(h)	No later than 30 calendar days after the end of the first 12-month averaging period after your facility's compliance date.
5. Is complying by using an add-on control device	a. notification of intent to conduct a performance test as specified in §63.9(e)	No later than the date specified in §63.9(e).
	b. A notification of the date for the continuous monitoring system performance evaluation as specified in §63.9(g)	With the notification of intent to conduct a performance test.
	c. A notification of compliance status as specified in §63.9(h)	No later than 60 calendar days after the completion of the add-on control device performance test and continuous monitoring system performance evaluation.

Table 8 to Subpart VVVV of Part 63—Applicability of General Provisions (40 CFR Part 63, Subpart A) to Subpart VVVV

As specified in §63.5773, you (Owner/Operator) must comply with the applicable requirements of the General Provisions according to the following table:

Citation	Requirement	Applies to subpart VVVV	Explanation
§63.1(a)	General Applicability	Yes.	
§63.1(b)	Initial Applicability Determination	Yes.	
§63.1(c)(1)	Applicability After Standard Established	Yes.	
§63.1(c)(2)		Yes	Area sources are not regulated by subpart VVVV.
§63.1(c)(3)		No	[Reserved]
§63.1(c)(4)–(5)		Yes.	
§63.1(d)		No	[Reserved]
§63.1(e)	Applicability of Permit Program	Yes.	
§63.2	Definitions	Yes	Additional definitions are found in §63.5779.
§63.3	Units and Abbreviations	Yes.	
§63.4(a)	Prohibited Activities	Yes.	
§63.4(b)–(c)	Circumvention/Severability	Yes.	
§63.5(a)	Construction/Reconstruction	Yes.	
§63.5(b)	Requirements for Existing, Newly Constructed, and Reconstructed Sources	Yes.	
§63.5(c)		No	[Reserved]
§63.5(d)	Application for Approval of	Yes.	

Citation	Requirement	Applies to subpart VVVV	Explanation
	Construction/Reconstruction		
§63.5(e)	Approval of Construction/Reconstruction	Yes.	
§63.5(f)	Approval of Construction/Reconstruction Based on prior State Review	Yes.	
§63.6(a)	Compliance with Standards and Maintenance Requirements—Applicability	Yes.	
§63.6(b)	Compliance Dates for New and Reconstructed Sources	Yes	§63.695 specifies compliance dates, including the compliance date for new area sources that become major sources after the effective date of the rule.
§63.6(c)	Compliance Dates for Existing Sources	Yes	§63.5695 specifies compliance dates, including the compliance date for existing area sources that become major sources after the effective date of the rule.
§63.6(d)		No	[Reserved]
§63.6(e)(1)–(2)	Operation and Maintenance Requirements	No	Operating requirements for open molding operations with add-on controls are specified in §63.5725.
§63.6(e)(3)	Startup, Shut Down, and Malfunction Plans	Yes	Only sources with add-on controls must complete startup, shutdown, and malfunction plans.
§63.6(f)	Compliance with Nonopacity Emission Standards	Yes.	

Citation	Requirement	Applies to subpart VVVV	Explanation
§63.6(g)	Use of an Alternative Nonopacity Emission Standard	Yes.	
§63.6(h)	Compliance with Opacity/Visible Emissions Standards	No	Subpart VVVV does not specify opacity or visible emission standards.
§63.6(i)	Extension of Compliance with Emission Standards	Yes.	
§63.6(j)	Exemption from Compliance with Emission Standards	Yes.	
§63.7(a)(1)	Performance Test Requirements	Yes.	
§63.7(a)(2)	Dates for performance tests	No	§63.5716 specifies performance test dates.
§63.7(a)(3)	Performance testing at other times	Yes.	
§63.7(b)–(h)	Other performance testing requirements	Yes.	
§63.8(a)(1)–(2)	Monitoring Requirements—Applicability	Yes	All of §63.8 applies only to sources with add-on controls. Additional monitoring requirements for sources with add-on controls are found in §63.5725.
§63.8(a)(3)		No	[Reserved]
§63.8(a)(4)		No	Subpart VVVV does not refer directly or indirectly to §63.11.
§63.8(b)(1)	Conduct of Monitoring	Yes.	
§63.8(b)(2)–(3)	Multiple Effluents and Multiple Continuous Monitoring Systems (CMS)	Yes	Applies to sources that use a CMS on the control device stack.

Citation	Requirement	Applies to subpart VVVV	Explanation
§63.8(c)(1)–(4)	Continuous Monitoring System Operation and Maintenance	Yes.	
§63.8(c)(5)	Continuous Opacity Monitoring Systems (COMS)	No	Subpart VVVV does not have opacity or visible emission standards.
§63.8(c)(6)–(8)	Continuous Monitoring System Calibration Checks and Out-of-Control Periods	Yes.	
§63.8(d)	Quality Control Program	Yes.	
§63.8(e)	CMS Performance Evaluation	Yes.	
§63.8(f)(1)–(5)	Use of an Alternative Monitoring Method	Yes.	
§63.8(f)(6)	Alternative to Relative Accuracy Test	Yes	Applies only to sources that use continuous emission monitoring systems (CEMS).
§63.8(g)	Data Reduction	Yes	
§63.9(a)	Notification Requirements—Applicability	Yes.	
§63.9(b)	Initial Notifications	Yes	
§63.9(c)	Request for Compliance Extension	Yes.	
§63.9(d)	Notification That a New Source Is Subject to Special Compliance Requirements	Yes.	
§63.9(e)	Notification of Performance Test	Yes	Applies only to sources with add-on controls.
§63.9(f)	Notification of Visible Emissions/Opacity Test	No	Subpart VVVV does not have opacity or visible emission standards.

Citation	Requirement	Applies to subpart VVVV	Explanation
§63.9(g)(1)	Additional CMS Notifications—Date of CMS Performance Evaluation	Yes	Applies only to sources with add-on controls.
§63.9(g)(2)	Use of COMS Data	No	Subpart VVVV does not require the use of COMS.
§63.9(g)(3)	Alternative to Relative Accuracy Testing	Yes	Applies only to sources with CEMS.
§63.9(h)	Notification of Compliance Status	Yes.	
§63.9(i)	Adjustment of Deadlines	Yes.	
§63.9(j)	Change in Previous Information	Yes.	
§63.10(a)	Recordkeeping/Reporting—Applicability	Yes.	
§63.10(b)(1)	General Recordkeeping Requirements	Yes	§§63.5767 and 63.5770 specify additional recordkeeping requirements.
§63.10(b)(2)(i)–(xi)	Recordkeeping Relevant to Startup, Shutdown, and Malfunction Periods and CMS	Yes	Applies only to sources with add-on controls.
§63.10(b)(2)(xii)–(xiv)	General Recordkeeping Requirements	Yes.	
§63.10(b)(3)	Recordkeeping Requirements for Applicability Determinations	Yes	§63.5686 specifies applicability determinations for non-major sources.
§63.10(c)	Additional Recordkeeping for Sources with CMS	Yes	Applies only to sources with add-on controls.
§63.10(d)(1)	General Reporting Requirements	Yes	§63.5764 specifies additional reporting requirements.
§63.10(d)(2)	Performance Test Results	Yes	§63.5764 specifies additional requirements for reporting

Citation	Requirement	Applies to subpart VVVV	Explanation
			performance test results.
§63.10(d)(3)	Opacity or Visible Emissions Observations	No	Subpart VVVV does not specify opacity or visible emission standards.
§63.10(d)(4)	Progress Reports for Sources with Compliance Extensions	Yes.	
§63.10(d)(5)	Startup, Shutdown, and Malfunction Reports	Yes	Applies only to sources with add-on controls.
§63.10(e)(1)	Additional CMS Reports—General	Yes	Applies only to sources with add-on controls.
§63.10(e)(2)	Reporting Results of CMS Performance Evaluations	Yes	Applies only to sources with add-on controls.
§63.10(e)(3)	Excess Emissions/CMS Performance Reports	Yes	Applies only to sources with add-on controls.
§63.10(e)(4)	COMS Data Reports	No	Subpart VVVV does not specify opacity or visible emission standards.
§63.10(f)	Recordkeeping/Reporting Waiver	Yes.	
§63.11	Control Device Requirements—Applicability	No	Facilities subject to subpart VVVV do not use flares as control devices.
§63.12	State Authority and Delegations	Yes	§63.5776 lists those sections of subpart A that are not delegated.
§63.13	Addresses	Yes.	
§63.14	Incorporation by Reference	Yes.	
§63.15	Availability of Information/Confidentiality	Yes.	