



FEDERAL OPERATING PERMIT

Permit No.: **157602667**

Company: **Daniel Company LLC**

Facility: **Daniel Company - Adelanto**

Issue date: **June 6, 2020**

Expiration date: **June 6, 2025**

**MOJAVE DESERT
AIR QUALITY
MANAGEMENT
DISTRICT**

14306 Park Avenue
Victorville, CA 92392-2310
760.245.1661 • Fax 760.245.2022
Email: permitting@MDAQMD.ca.gov

www.MDAQMD.ca.gov • @MDAQMD

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

Signed and issued by
BRAD POIRIEZ
EXECUTIVE DIRECTOR/
AIR POLLUTION CONTROL OFFICER

TABLE OF CONTENTS

PART I - INTRODUCTORY INFORMATION	3
A. FACILITY INFORMATION	3
B. FACILITY DESCRIPTION	4
C. EQUIPMENT DESCRIPTION	5
PART II - FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS.....	6
A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT	6
B. FACILITY-WIDE MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS	20
C. FACILITY-WIDE COMPLIANCE CONDITIONS:.....	23
PART III - EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS.....	26
A. STANDARD MONITORING, RECORD-KEEPING, AND REPORTING REQUIREMENTS.....	26
B. EQUIPMENT SPECIFIC MONITORING, RECORD-KEEPING, REPORTING AND TESTING REQUIREMENTS APPLICABLE TO MDAQMD PERMIT UNITS S008942, B013702, B013761, B013762:.....	27
PART IV - STANDARD FEDERAL OPERATING PERMIT CONDITIONS.....	32
A. STANDARD CONDITIONS	32
PART V - OPERATIONAL FLEXIBILITY.....	35
A. ALTERNATIVE OPERATING SCENARIO(S):.....	35
B. OFF PERMIT CHANGES.....	35
PART - CONVENTIONS, ABBREVIATIONS, DEFINITIONS	37
B. OTHER CONVENTIONS.....	37
C. ABBREVIATIONS	37
PART VII - DISTRICT SIP HISTORY AND CITATIONS.....	39
A. DISTRICT RULE SIP HISTORY	39
B. DISTRICT RULE SIP CITATIONS/BASIS AUTHORITY	39

PART I
INTRODUCTORY INFORMATION

A. FACILITY INFORMATION

<u>Issued To:</u>	Daniel Company LLC
<u>Facility Name:</u>	Daniel Company – Adelanto
<u>Facility Location:</u>	9972 Rancho Road Adelanto, CA 92301
<u>Mailing Address:</u>	9972 Rancho Road Adelanto, CA 92301
<u>Federal Operating Permit Number:</u>	157602667
<u>MDAQMD Company Number:</u>	1576
<u>MDAQMD Facility Number:</u>	2667
<u>Responsible Official:</u>	Daniel R. Olson President 909-982-1555
<u>Facility Contact:</u>	Harold R. Ibarra Project Manager 760-982-1555 Email: hibarra@danielmechanical.com
<u>Facility “Off Site” Contact(s):</u>	None
<u>Nature of Business:</u>	Reinforced Composite Manufacture/ Polyester Resin Operations
<u>SIC/NAICS Code:</u>	3089/326122 – Plastics Pipe and Fitting Manufacturing
<u>Facility Coordinates:</u>	UTM11 (km) 458.91536 E/3824.13069 N 34.55827, -117.44801

B. FACILITY DESCRIPTION

Federal Operating Permit (FOP number: 157602667) is hereby issued to Daniel Company LLC. Daniel Company LLC operates a fiberglass reinforced plastic (FRP) composite manufacturing facility, Daniel Company – Adelanto, located at 9972 Rancho Road in Adelanto, California. Daniel Company – Adelanto manufactures FRP air pollution control systems, chemical storage tanks, and related accessories, including ductwork, piping, and fittings. There are three buildings located on the property of the Daniel Company – Adelanto facility where the fabrication work is completed. All of the resin application methods used at the facility are classified under the principle fabrication process of Open Molding.

There is a “Tank & Pipe Building” (MDAQMD Permit no. B013762), where fabrication of the aforementioned components occur using three polyester resin processes (Filament Winding, Non-Atomized Resin Application (NARA), and manual application). There is a “Chop & Valve Building” (MDAQMD Permit no. B013761), where smaller parts and pipe fittings are fabricated using NARA and manual application processes. Finally, there is an “Assembly Building” (MDAQMD Permit no. B013702), where the spray booth (MDAQMD Permit no. S008942) is located, and all final assembly and finishing steps are conducted. All operations at the facility, including mold preparation, gel-coat and resin application, and finishing are carried out under SIC Code 3089 –Plastics Plumbing Fixtures and NACIS Code 326122 - Plastics Pipe and Pipe Fitting Manufacturing.

C. EQUIPMENT DESCRIPTION

Daniel Company - Adelanto							
Permitted Equipment							
District Permit No.	Equipment Description	Location	Make or Type	Model	Maximum Resin Application Rate (gal/min)	Rated hp of Associated Motor	Dimensions (L x W x H, feet)
B013702	LEL Chopper Gun	Assembly Building	Binks	207-12220/40	1.00	N/A	N/A
B013761	LEL Chopper Gun	Chop & Valve Building	Binks	207-12220/40	1.00	N/A	N/A
B013762	LEL Chopper Gun	Tank & Pipe Building	Binks	207-12220/40	1.00	N/A	N/A
B013762	LEL Chopper Gun	Tank & Pipe Building	Binks	207-12220/40	1.00	N/A	N/A
N/A	LEL Chopper Gun	Storage	Binks	207-12220/40	1.00	N/A	N/A
N/A	LEL Chopper Gun	Storage	Binks	207-12220/40	1.00	N/A	N/A
B013702	Pipe Mandrel	Assembly Building	Equipment Fabricated by Daniel Co.	N/A	0.67	1	25' x 4' x 4.5'
B013762	Pipe Mandrel	Tank & Pipe Building	Equipment Fabricated by Daniel Co.	N/A	1.00	2	29' x 6' x 4'
B013762	Pipe Mandrel	Tank & Pipe Building	Equipment Fabricated by Daniel Co.	N/A	1.00	5	32' x 6.5' x 5.3'
B013762	Pipe Mandrel	Tank & Pipe Building	Equipment Fabricated by Daniel Co.	N/A	1.00	3	32' x 8' x 7'
B013762	Pipe Mandrel	Tank & Pipe Building	Equipment Fabricated by Daniel Co.	N/A	1.00	3	29' x 12' x 12'
B013762	Pipe Mandrel	Tank & Pipe Building	Equipment Fabricated by Daniel Co.	N/A	1.00	3	28' x 13' x 12'
S008942	Spray Booth	Assembly Building	Spray Enclosure Technologies	ST4510140FI	1.00	7.5 (qty. of 2)	45' x 14' x 10'

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

- A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:
1. A permit to construct is required to build, erect, install, alter or replace any equipment, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce or control the issuance of air contaminants.
[District Rule 201 - *Permits to Construct*]
 2. A permit is required to operate this facility. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.
[District Rule 203 - *Permit to Operate*]
 3. The Air Pollution Control Officer may impose written conditions on any permit to assure compliance with all applicable regulations.
[District Rule 204 - *Permit Conditions*]
 4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[District Rule 204 - *Permit Conditions*]
 5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.
[District Rule 206 - *Posting of Permit to Operate*]
 6. Owner/Operator shall not willfully deface, alter, forge or falsify any permit issued under District rules.
[District Rule 207 - *Altering or Falsifying of Permit*]
 7. Permits shall not be transferable.
[District Rule 209 - *Transfer and Voiding of Permit*]
 8. The Air Pollution Control Officer (APCO) may require the applicant or permittee to provide and maintain such facilities as are necessary for sampling and testing. In the event of such requirements, the Air Pollution Control Officer shall notify the applicant in writing of the required size, number and location of sampling ports; the size and location of the sampling platform; the access to the sampling platform, and the utilities for operating the sampling and testing equipment. The platform and access shall be

constructed in accordance with the General Industry Safety Orders of the State of California.

[District Rule 217 - *Provision for Sampling And Testing Facilities*]

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

[District Rule 219 - *Equipment Not Requiring a Written Permit*]

10. This Facility, which is subject to the provisions of District Regulation XII, shall obtain a Federal Operating Permit.

[District Rule 221 - *Federal Operating Permit Requirement*]

11. Any person subject to the provisions of District Regulation II – *Permits* or District Regulation XIII – *New Source Review*, shall pay all applicable fees set forth in this rule.

[District Rule 301 - *Permit Fees*]

12. Owner/Operator of this Facility shall pay all applicable fees as indicated in this rule.

[District Rule 312 - *Fees for Federal Operating Permits*]

13. Any air contaminant from any emission source whatsoever located at this Facility, shall not be discharged into the Atmosphere for a period or periods aggregating more than three minutes in any one hour, which is as observed using EPA Method 9 (Visual Determination of the Opacity of Emissions from Stationary Sources). Visible emissions from this facility, of any air contaminant into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:

- (a) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount and supplier's certification information.
- (b) While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:
- (i) Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation, a visible emissions inspection is required every three (3) months 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 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 204 - *Permit Conditions*]

[District Rule 401 - *Visible Emissions*]

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

- 14. Owner/Operator shall not burn any gaseous fuel at this facility containing sulfur compounds in excess of 800 parts per million (ppm), calculated as hydrogen sulfide at standard conditions, or any liquid or solid fuel having a sulfur content in excess of 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limit for PUC quality natural gas fuel shall be by the exclusive use of utility grade/pipeline quality natural gas. Records of natural gas supplier fuel quality/sulfur content limit shall be kept on-site and available for review by District, state or federal personnel at any time. Compliance with Rule 431 fuel sulfur limit for diesel fuel is assumed for CARB certified diesel fuel. The sulfur content of non-CARB 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 - *Sulfur Content of Fuels*]

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

- 15. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.

[District Rule 403 - *Fugitive Dust*]

- 16. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an “Alternative PM₁₀ Control Plan” (ACP), pursuant to Rule 403.2(G) has been approved.

[Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area*]

- 17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM), except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in 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 - *Particulate Matter Concentration*]

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

- (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
- (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[District Rule 405 - *Solid Particulate Matter - Weight*]

19. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, any one or more of the following contaminants in any state or combination thereof, exceeding in concentration:

- (a) Sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂), greater than or equal to 500 ppm by volume.
- (b) The following elements and compounds which would exist as a liquid or gas at standard conditions:

Element or Compound	Limitations (PPM by volume)
Hydrogen Fluoride (HF)	400
Hydrogen Chloride (HCl)	800
Hydrogen Bromide (HBr)	50
Bromine (Br)	50
Chlorine (Cl ₂)	450
Fluorine (F ₂)	50

This rule does not apply to combine fluorides, chlorides or bromides, other than the acid version. With respect to fluorides, the rule applies only to the combustion of hydrogen-containing fuels and fluorine-containing oxidizers to form hydrogen fluoride.

[District Rule 406 - *Specific Contaminants*]

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

20. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.

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

[District Rule 407 - *Liquid and Gaseous Air Contaminants*]

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

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

[District Rule 408 - *Circumvention*]

22. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard

conditions averaged over a minimum of 25 consecutive minutes.
[District Rule 409 - *Combustion Contaminants*]

23. The APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:
- (a) Any breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
 - (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
 - (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
 - (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
 - (e) If the breakdown occurs outside normal District working hours the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the APCO.

[District Rule 430 - *Breakdown Provisions*]

24. Owner/Operator of this facility shall comply with all applicable requirements of District Rule 442 and must meet the following emission and operating requirements:
- (a) Shall not discharge VOCs into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month at this Facility.
 - (i) Compliance with the VOC limit above may be obtained through use of any of the following or any combination thereof:
 - a. Product reformulation or substitution;
 - b. Process changes;
 - c. Improvement of operational efficiency;
 - d. Development of innovative technology;
 - e. Operation of emission collection and control system that reduces overall emissions by eighty-five percent (85%).
 - (b) Shall not discharge into the atmosphere a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average. For purposes of VOC quantification, discharge shall include a drying period of 12 hours following the application of such non-VOC solvents.
 - (c) The provisions of this condition shall not apply to:
 - (i) The manufacture, transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (ii) The emissions of VOCs from VOC-containing materials or equipment which

are subject to District Regulation IV rules or which are exempt from air pollution control requirements by such rules.

- (iii) The use of pesticides including insecticides, rodenticides or herbicides.
 - (iv) The use of 1,1,1 trichloroethane, methylene chloride and trichlorotrifluoroethane.
 - (v) Aerosol products.
 - (vi) VOC containing materials or equipment which are subject to VOC limits of any rule found in District Regulation XI – *Source Specific Standards*.
- (d) Owner/operator shall maintain daily usage records for all VOC-containing materials subject to this condition. The records shall be retained for five years and be made available upon request. VOC records shall include but not be limited to:
- (i) The amount, type and VOC content of each solvent used; and
 - (ii) The method of application and substrate type; and
 - (iii) The permit units involved in the operation (if any).
- (e) Determination of VOC Content in Solvent-containing materials, Presence of VOC in Clean-up Materials, and/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 of this facility shall comply with the Organic Solvent Degreasing Operations requirements of District Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products and which utilize volatile organic solvents. These requirements are listed as follows:

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°C (120° F) shall operate with a freeboard ratio equal to or greater than 0.75.
 - (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one (1).

Cold Solvent Degreasers - Cover Requirements:

- (v) 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.

Cold Solvent Degreasers - Solvent Level Identification:

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

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.

District Rule 442 Applicability:

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

Solvent Usage Records:

Owner/Operator subject to 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 - *Organic Solvent Degreasing Operations*]

26. Owner/Operator's use of Architectural Coatings at this facility shall comply with the applicable requirements of District Rule 1113, including the VOC limits specified in District Rule 1113, Part C - Requirements, as set forth in the table below, except as provided in Section (C)(2), (C)(3), and (C)(5) of District Rule 1113:

Coating Category	Effective 02/24/2003
Antenna Coatings	530
Antifouling Coatings	400
Clear Wood Coatings	
Clear Brushing Lacquers	680
Lacquers (including lacquer sanding sealers)	550
Sanding Sealers (other than lacquer sanding sealers)	350
Varnishes	350
Fire-Retardant Coatings:	
Clear	650
Opaque	350
Flow Coatings	420
Quick-Dry Enamels	250
Quick-Dry Primers, Sealers, and Undercoaters	200
Swimming Pool Repair and Maintenance Coatings	340
Temperature-Indicator Safety Coatings	550
Waterproofing Sealers	250
Waterproofing Concrete/Masonry Sealers	400

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

[District Rule 1113 - *Architectural Coatings*]

27. 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)

- (b) 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 – *Wood Products Coating Operations*]

28. Owner/Operator shall apply coatings to Metal Parts and Products subject to the provisions of District Rule 1115 by using equipment properly operated according to manufacturer’s suggested guidelines using one or more of the following methods:
- (a) Electrostatic Spray;
 - (b) High Volume Low Pressure (HVLP) spray equipment;
 - (c) Dip coat (including electrodeposition);
 - (d) Flow Coat;
 - (e) Airless Spray;
 - (f) Air-assisted airless spray;
 - (g) Hand Application Methods;
 - (h) Other coating application methods as are demonstrated to have a Transfer Efficiency at least equal to or better than achieved by HVLP spraying; or
 - (i) Equipment as approved by the APCO, the California Air Resources Board (CARB) and US EPA, provided that the Owner/Operator submits an application and demonstrates that the use of HVLP spray Equipment would result in greater emissions than the proposed system Equipment. The approval shall be limited to only those Coatings listed in the application plan.

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

29. Owner/Operator’s use of Metal Parts and Products Coatings at this facility shall comply with the applicable requirements of Rule 1115, including the VOC limits specified in District Rule 1115, as listed below:
- (a) Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution

abatement equipment with a capture and control system Combined Efficiency of at least 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 – *Metal Parts & Products Coating Operations*]

30. The owner/operator shall comply with the polyester resin and gelcoat application technique requirements in section (C)(2) of District Rule 1162, and shall not exceed the

monomer limits for each applicable resin use in Table 1 in Section C of District Rule 1162.

Material	Weight Average Monomer VOC content (weight percent) limit
General Purpose Polyester Resin	
Marble Resin	10 % (32% as supplied, no Fillers)
Solid Surface Resin	17%
Tub/Shower Resin	24% (35% as supplied, no Fillers)
Lamination Resin	31% (35% as supplied, no Fillers)
Tooling Resin	
Atomized (spray)	30%
Non-Atomized	39%
Specialty Resin	
Fire Retardant	38%
High-Strength*	
Mechanical (Non-Atomizing)	46.2%
Filament Application	42%
Manual Application	40%
Corrosion-Resistant	48%
All other Resin	35%
Tooling Gel Coat	40%
Pigmented Gel Coat	
White and Off -White	30%
Non-White	37%
Primer	28%
Clear Gel Coat	
Marble Resin	40%
Other Resin	44%
Specialty Gel Coat	48%
<i>*Facilities that apply High Strength Resins using non-atomized mechanical application may use the same resin for manual application during product assembly and/or reinforcement tie-ins, provided that the High Strength Resin used for both application methods does not exceed the 46.2% monomer content limit.</i>	

- (a) Resins and Gel Coats used for Touch-Up, Repair, or Small Jobs, may have a Monomer content limit up to ten percent (10%) more than the applicable limit in Table 1. Such Resins or Gel Coats shall only be applied by a hand-held Atomized spray gun which has a container no larger than one (1) quart for the Resin or Gel Coat as part of the gun. Resins or Gel Coats applied by another method shall comply with the applicable limit in Table 1. Total material use for all Small Jobs at a Facility shall not exceed two (2) gallons per day.
- (b) Complying formulations shall not be thinned or diluted with any VOC containing material or changed in any manner that may increase VOC emissions after testing, but prior to or during application.

[District Rule 1162 – *Polyester Resin Operations*]

- 31. Owner/Operator shall comply with all requirements of the District’s Title V Program, District Rules 1200 through 1211.

[Regulation XII - *Federal Operating Permits*]

- 32. Owner/Operator shall comply with the requirements of 40 CFR 63, Subpart A – *National Emission Standards for Hazardous Air Pollutants: General Provisions* and 40 CFR 63, Subpart WWWW – *National Emission Standards for Hazardous Air Pollutants for Reinforced Plastic Composites Production*.

[40 CFR 63, Subpart A and WWWW]

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

- 1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.

[District Rule 1203(D)(1)(d)(ii)]

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

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

[District Rule 204 – *Permit Conditions*]

- 3. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report/Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:

- (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
- (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent).
Vendor data meeting this requirement are sufficient.

[District Rule 204 – *Permit Conditions*]

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

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

- 4. Owner/Operator shall submit, annually, a Compliance Certification as prescribed by District Rule 1203(F)(1) and District Rule 1208, in a format approved by MDAQMD. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.

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

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

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

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

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

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

- (b) Owner/Operator shall comply with any additional certification requirements as specified in 42 United States Code (U.S.C.) §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.

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

- (c) Each report shall be certified to be true, accurate, and complete by “The Responsible Official” and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.

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

[40 CFR 72.90.a]

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

Report covering January 1 – December 31	Due by January 31
---	-------------------

The first annual report submitted on the schedule above shall include the period commencing from the date of issuance of this Federal Operating Permit through December 31 of the year of issuance and shall be due on January 31 of the following year.

5. The owner/operator shall submit, semi-annually, a Monitoring Report to the APCO/District. The Monitoring Reports shall be certified to be true, accurate, and complete, signed by the Responsible Official, and shall include the following information and/or data:
- (a) Summary of deviations from any federally enforceable requirement in this permit.
 - (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement/federally - enforceable requirement.
 - (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement/federally enforceable requirement that does not directly require such monitoring.
 - (d) Summary of necessary requirements concerning use and maintenance of equipment, including the installation and maintenance of monitoring equipment.
 - (e) The semi-annual reporting periods shall be submitted as follows:

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

The first semi-annual Monitoring Report submitted on the schedule above shall include the period commencing from the end of the last report submitted through June 30 of the current year and shall be due on July 31 of that year. The second semi-annual Monitoring Report shall include the period commencing July 1st of the current year through December 31st of the current year, due on January 31st of the following year.
[District 1203(D)(1)(c)(i - iii); District 1203(D)(1)(d)(i); District Rule 1203(D)(1)(e)(i - ii); District Rule 1203(D)(1)(g)(v - x)]

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

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

Prompt reporting shall be determined as follows:

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

7. If any facility unit(s) should be determined not to be in compliance with any federally enforceable requirement during the 5-year permit term, then the owner/operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of District Regulation V (District Rule 501). In addition, the owner/operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with District Rule 1201(I)(3)(iii) and shall include:
- (a) A narrative description of how the facility will achieve compliance with such requirements; and,
 - (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and,
 - (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.
- [District Rule 1201 (I)(3)(iii); District Rule 1203 (D)(1)(e)(ii); District Rule 1203 (D)(1)(g)(v)]

C. FACILITY-WIDE COMPLIANCE CONDITIONS:

- 1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[District Rule 1203(D)(1)(g)(i)]
[40 CFR 70.6(c)(2)(i)]
- 2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[District Rule 1203(D)(1)(g)(ii)]
[40 CFR 70.6(c)(2)(ii)]
- 3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any

equipment, practice or operation contained in or required under this Federal Operating Permit.

[District Rule 1203(D)(1)(g)(iii)]
[40 CFR 70.6(c)(2)(iii)]

4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[District Rule 1203(D)(1)(g)(iv)]
[40 CFR 70.6(c)(2)(iv)]
5. Owner/Operator shall remain in compliance with all Applicable Requirements/federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[District Rule 1203(D)(1)(f)(ii)]
6. Owner/Operator shall comply in a timely manner with all applicable requirements/federally - enforceable requirements that become effective during the term of this permit.
[District Rule 1201(I)(2) and District Rule 1203(D)(1)(g)(v)]
7. Owner/Operator shall ensure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61, subparts A and M]
8. The owner/operator shall notify the APCO/District at least ten (10) working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]
9. Owner/Operator shall notify the APCO/District, on an annual basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see citation for threshold triggering and applicability].
[40 CFR 61.145(b)]
10. This facility shall be maintained and operated in compliance with USEPA NESHAP Maximum Achievable Control Technology (MACT) Standards found in 40 CFR 63 Subparts A and WWWW to include, but not limited to, the following:
 - (a) The open molding HAP emissions shall not exceed the HAP emission limits in

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

[40 CFR 63.5810, *Options for Meeting Standards*]

- (b) HAP emissions (commonly styrene and methyl methacrylate) shall be determined by using the equations found in Table 1 of Subpart WWWW to 40 CFR 63.
[40 CFR 63.5810, *Equations to Calculate Organic HAP Emissions Factors For Specific Open Molding And Centrifugal Casting Process Streams*]
- (c) This facility must comply with ‘Work Practices’ found in Table 4 to Subpart WWWW of 40 CFR 63 and demonstrate compliance with these ‘Work Practices’ per Table 9 to Subpart WWWW of 40 CFR 63. The closed molding and covered mixing processes must comply with the Work Practices found in Table 4.
[40 CFR 63.5805(a) through (d) and (g), 63.5835(a), 63.5900(a)(3), 63.5910(c)(5), and 63.5915(d), *Work Practice Standards*]
- (d) This facility must submit semi-annual Compliance Reports as required in Table 14 to Subpart WWWW of 40 CFR 63 per 40 CFR 63.5910(b) on or before January 31 and July 31 of each year, covering the reporting periods specified below.

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

The first semi-annual Compliance Report shall include the period commencing from the date of issuance of this Federal Operating Permit and ending on June 30 or December 31, whichever date falls first, and shall be postmarked or delivered no later than July 31, or January 31, whichever date follows the end of that first reporting period.

[40 CFR; 63.5910(b), *Notifications, Reports, and Reports*]

- (e) This facility is required to meet operation and maintenance requirements outlined within 40 CFR 63.6(e)(1) and (2).
[40 CFR 63, Table 15 to Subpart WWWW: *Applicability of General Provisions (Subpart A) to Subpart WWWW of Part 63*]
- (f) This facility must submit a ‘Notification of Compliance Status’ per 40 CFR 63.9(h) and Table 13 to Subpart WWWW of 40 CFR 63.
[40 CFR 63, Table 13 to Subpart WWWW: *Applicability and Timing of Notifications*]

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

- A. STANDARD MONITORING, RECORD-KEEPING, AND REPORTING REQUIREMENTS:
1. Any data and records required to be generated and/or kept by any portion of this permit, shall be kept current, on-site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and provided to District, state, or federal personnel on request.
[District Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6(a)(3)(ii)(B)]
 2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.
[District Rule 204]
[40 CFR 70.6 (a)(3)(B)]
 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, for a minimum of five (5) years, and available for inspection by District, state or federal personnel on request. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).
[District Rule 107(b)]
[Health & Safety Code §39607 & 44341-44342]
[40 CFR 70.6 (a)(3)(B) and 40 CFR 51, Subpart A]

**B. EQUIPMENT SPECIFIC MONITORING, RECORD-KEEPING,
REPORTING AND TESTING REQUIREMENTS APPLICABLE TO
MDAQMD PERMIT UNITS S008942, B013702, B013761, B013762:**

1. This equipment shall be installed, operated and maintained in strict accordance 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(s) for this permit.
[District Rule 1302(C)(2)(a)]
[40 CFR 70.6 (a)(3)(B)]
2. This facility shall be operated and maintained in compliance with all applicable District Rules, including but not limited to, District Rule 442 - Usage of Solvents, and 1162 - Polyester Resin Operations.
[District Rules 204, 442 and 1162]
3. This equipment shall not be operated unless all exhaust air passes through tightly mounted filter media at least 2 inches thick and free of gaps and holes.
(NOTE: This condition applies only to Permit Unit S008942)
[District Rules 1302 and 1303]
[40 CFR 70.6 (a)(3)(C)]
4. This booth shall be equipped with a fully functioning pressure differential gauge to determine the pressure differential across the exhaust filter bank. Furthermore, the filters shall be replaced when the pressure differential across the exhaust filter bank exceeds 4.0 inches water column. Records of daily readings of the pressure differential shall be retained on-site for a minimum period of five (5) years and available for review at any time by District, State or Federal personnel.
(NOTE: This condition applies only to Permit Unit S008942)
[District Rules 1162 and 1303]
[40 CFR 70.6 (a)(3)(B)]
5. All application of resins shall be limited to one of the following methods:
 - (a) Non-atomizing spray;
 - (b) Flow coaters;
 - (c) Manual application; or
 - (d) Other non-atomizing techniques which have transfer efficiencies at least equal to one of the above methods.[District Rule 1162(C)(2)(a)]
6. All application of gel coats shall be limited to one of the following methods:
 - (a) Air-Assisted Airless Spray;
 - (b) Electrostatic Attraction;
 - (c) High volume, Low Pressure (HVLP) Spray; or
 - (d) A non-atomizing technique listed in District Rule 1162(C)(2)(a).

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

7. This facility shall only use gel coats, resins and other materials that comply with the VOC limits in Table 1 to District Rule 1162. In addition to complying with the Table 1 limits, the non-Monomer VOC content shall not exceed more than 5% by weight of the resin or gel coat.

[District Rule 1162(C)(1)]

8. Facility wide HAP and VOC Emissions shall be calculated on a monthly basis using the equations in Table 1 of Title 40 CFR 63 Subpart WWWW.

[District Rules 1162 and 1303]

[40 CFR 63, Table 1 to Subpart WWWW: *Equations to Calculate Organic HAP Emissions Factors for Specific Open Molding and Centrifugal Casting Process Streams*]

9. The facility shall not emit more than a combined total of 47,000 pounds of all HAPs combined, nor more than a combined total of 47,000 pounds of all VOCs combined from all sources as calculated on a twelve (12) month rolling sum basis. Compliance shall be verified on a monthly calendar basis by reviewing the facility's VOC/Styrene/MMA emissions tracking system, which shall contain, at a minimum, the following information:

- (a) Method of application and type of substrate for each use;
- (b) Manufacturer, type, and amount (in pounds, gallons, etc.) of all resins, coatings and solvents used (preparation, production, thinning, cleanup or other);
- (c) VOC and HAP(s) content of each type of resin, gel coat, coating and solvent in pounds per gallon, grams per liter, percent (weight/weight), etc.;
- (d) The monthly VOC, Styrene, MMA, and all other HAP emissions from all sources;
- (e) Records of the monthly production rates and other operational data used to determine monthly VOC, Styrene, MMA, and all other HAP emissions;
- (f) Verification that the total combined HAP emissions during the rolling twelve (12) month period is below the 47,000 pound limit;
- (g) Verification that the total VOC emissions during the rolling twelve (12) month period is below the 47,000 pound limit; and
- (h) Records of fluid tip pressure calibrations as specified by the spray gun manufacturer (not applicable for non-spray application methods).

These records shall be retained on-site for a minimum period of five (5) years and be made available for review at any time by District, State or Federal personnel. Exceeding this facility cap limit will trigger offsets and BACT review.

[District Rules 1162, 1203, 1301 and 1303]

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

10. This facility must not use cleaning solvents that contain HAPs, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin. Furthermore, this facility shall not use cleaning solvents that contain VOCs, excluding mold sealing and release agents, mold stripping

and cleaning, cleaners used to clean cured resin from Application Equipment, and closed systems, unless:

- (a) The VOC content composite partial pressure is 45 mm Hg or less at a temperature of 20 degrees C; or
- (b) The material contains 25 grams or less of VOC content per liter of material, as applied.

[District Rules 1162(C)(6)]
 [40 CFR 63, Subpart WWWW]

11. The polyester resin operations buildings (Assembly Building, Chop & Valve Building, Tank & Pipe Building), spray booth, and the entire facility shall be maintained and operated in compliance with USEPA NESHAP Maximum Achievable Control Technology (MACT) Standards found in 40 CFR 63, Subparts A and WWWW to include but not limited to the following:

- (a) The open molding HAP emissions shall not exceed the HAP emission limits in Table 3 or Table 7, depending on which compliance option is chosen to demonstrate compliance with Subpart WWWW of 40 CFR 63. In accordance with Subpart 63.5810, the facility may use Option A in 63.5810(a), Option B in 63.5810(b), Option C in 63.5810(c), or Option D in 63.5810(d) to comply with the open molding limits.
- (b) HAP emissions (commonly styrene and methyl methacrylate) shall be determined by using the equations found in Table 1 of Subpart WWWW to 40 CFR 63.
- (c) This facility must comply with Work Practices found in Table 4 to Subpart WWWW of 40 CFR 63 and demonstrate compliance with these Work Practices per Table 9 to Subpart WWWW of 40 CFR 63.
- (d) This facility must submit semi-annual Compliance Reports as required in Table 14 to Subpart WWWW of 40 CFR 63 per 40 CFR 63.5910(b). The report must contain include all information as required under 40 CFR 63.5910, and may be submitted along with, or as part of, the semiannual monitoring report required by this facility's Federal Operating Permit, per 40 CFR 70.6(a)(3)(iii)(A).

Semi-Annual Report	Reporting Period	Due Date	Submit to
MACT: Semiannual monitoring (40 CFR 63, WWWW)	January 1 - June 30	July 31	MDAQMD
Title V: Semiannual monitoring (40 CFR 70.6)	January 1 - June 30	July 31	MDAQMD & US EPA

Semi-Annual Report	Reporting Period	Due Date	Submit to
MACT: Semiannual monitoring (40 CFR 63, WWWW)	July 1 - December 31	January 31	MDAQMD
Title V: Semiannual monitoring (40 CFR 70.6)	July 1 - December 31	January 31	MDAQMD & US EPA

- (e) This facility is required to meet operation and maintenance requirements per 40 CFR 63.6(e).
- (f) This facility must submit a Notification of Compliance Status per 40 CFR 63.9(h) and Table 13 to Subpart WWWW of 40 CFR 63.
- (g) In the event of conflict between the MACT Standard and these permit conditions, the more stringent standard shall govern.

[District Rule 1162]

[40 CFR 63, Subpart WWWW and 40 CFR 70.6(a)(3)(iii)(A)]

- 12. For the purposes of calculating VOC emissions, all VOC in air dried materials used shall be assumed to be emitted to the atmosphere during the day of application.
[District Rules 442, 1162, 1302 and 1520]
- 13. This facility must keep containers that store VOC and/or HAP-containing materials closed or covered except during the addition or removal of materials. Bulk VOC and/or HAP-containing material storage tanks may be vented as necessary for safety.
[District Rule 1162(C)(5)]
[40 CFR 63, Subpart WWWW]
- 14. This facility must use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation. Containers of 5 gallons or less may be open when active mixing is taking place, or during periods when they are in process (i.e., they are actively being used to apply resin).
[District Rule 1162(C)(5)]
[40 CFR 63, Subpart WWWW]
- 15. Each chopper gun shall be uniquely marked for ease of identification by District personnel.
[District Rule 204]
- 16. In the event of a malfunction of any emissions related part of this operation, the process line must be shut down as soon as safely possible and shall not be restarted until all malfunctions have been corrected. Equipment breakdowns shall be reported to the

District in accordance with District Rule 430.
[District Rules 430 and 1302]
[40 CFR 63.6]

17. The facility shall not discharge VOCs into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes that are not subject to District Rule 1162, in excess of 1190 pounds per month. This includes, but is not limited to, coatings, modifiers, sealants, release agents, polymerization initiators, pure monomers, and catalysts.
[District Rule 442]
18. A facility wide Comprehensive Emission Inventory (CEI) Plan and Report for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342]
[40 CFR 51, Subpart A]

PART IV
STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS

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

[40 CFR 70.6(a)(6)(v)]

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

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

16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[District Rule 1203(G)(3)(d)]
[40 CFR 70.6(f)(3)(iv)]
17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.
[District Rule 1203(G)(3)(e)]
[40 CFR 70.4(b)(12)(ii)(B)]
18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.
[District Rule 1203(G)(3)(f)]
[40 CFR 70.4(b)(14)(iii)]
19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.
[District Rule 1203 (G)(3)(g)]
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi)]
20. If the owner/operator performs maintenance on, or services, repairs, or disposes of appliances, the owner/operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart F]
21. If the owner/operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the owner/operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

PART V OPERATIONAL FLEXIBILITY

A. ALTERNATIVE OPERATING SCENARIO(S)

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

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

B. OFF PERMIT CHANGES

1. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
 - (a) Permittee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of District Rule 219; and
 - (i) The proposed change is not:
 - a. Subject to any requirements under Title IV of the Federal Clean Air Act; or,
 - b. A modification under Title I of the Federal Clean Air Act; or
 - c. A modification subject to Regulation XIII; and,
 - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and,
 - e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions).
[District Rule 1203(E)(1)(c)(i)]
 - (b) Procedure for “Off Permit” Changes
 - (i) If a proposed “Off Permit Change” qualifies under Part V, Section (A)(I)(a) above, the permittee shall implement the change as follows:
 - a. The permittee shall apply for an Authority to Construct permit pursuant to the provisions of Regulation II.
 - b. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
 1. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition; and

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

PART VI
CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. STANDARD CONVENTIONS

- 40 CFR 60, Standards of Performance for New Stationary Sources (NSPS)
- 40 CFR 60, Appendix F, Quality Assurance Procedures
- 40 CFR 61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- 40 CFR 61, Subpart M, National Emission Standards for Asbestos
- 40 CFR 63, National Emission Standards for Hazardous Air Pollutants for Source Categories
- 40 CFR 70, State Operating Permit Programs
- 40 CFR 72, Permits Regulation (Acid Rain Program)
- 40 CFR 73, Sulfur Dioxide Allowance System
- 40 CFR 75, Continuous Emission Monitoring
- 40 CFR 75, Subpart D, Missing Data Substitution Procedures
- 40 CFR 75, Appendix B, Quality Assurance and Quality Control Procedures
- 40 CFR 75, Appendix C, Missing Data Estimating Procedures
- 40 CFR 75, Appendix D, Optional SO₂ Emissions Data Protocol
- 40 CFR 75, Appendix F, Conversion Procedures
- 40 CFR 75, Appendix G, Determination of CO₂ Emissions
- 40 CFR 82, Protection of Stratospheric Ozone

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

APCO	Air Pollution Control Officer
BACT	Best Available Control Technology
bhp	brake horse power
Btu	British thermal units
CCR	California Code of Regulations
CEMS	Continuous Emissions Monitoring System
CFR	Code of Federal Regulations
CO	carbon monoxide
CO ₂	carbon dioxide
Dia.	diameter
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
HVLP	High-Volume, Low-Pressure
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
PTE	Potential to Emit
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
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

PART VII
DISTRICT SIP HISTORY AND CITATIONS

A. DISTRICT RULE SIP HISTORY

1. For Rule SIP History including approval, pending approval, etc, see:
<https://www.mdaqmd.ca.gov/home/showdocument?id=7051>

B. DISTRICT RULE SIP CITATIONS/BASIS AUTHORITY

1. District Rule SIP Citations/Basis/Authority are on the following pages.

MDAQMD Federal Operating Permit
DANIEL COMPANY LLC
Permit Number: 157602667

Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
Old SB	2	Definitions	SBC	MD 102	Ref 02/72	2/21/1972	40 CFR 52.2236(c)(4)(i)(A)	12/21/1978	43 FR 59489
Old SB	5 (a)	Public Availability of Emissions Data	SBC	None	Ref 02/73	7/25/1973	40 CFR 52.220(c)(2)(iv)(A)	6/14/1978	43 FR 25684
RC	51	Nuisance	RC	MD 402, 07/25/1977 via Res. 94-03	Ref 02/72	2/21/1971	40 CFR 52.220(c)(7)	5/31/1977	
RC	52	Particulate Matter - Concentration	RC	MD 405, 07/25/1977 via Res. 94-03	Ref 06/72		40 CFR 52.228(b)(1)(ii)(A)	9/8/1978	43 FR 40011
RC	53	Specific Air Contaminants	RC	MD 406, 02/20/1979 via Res. 94-03	G-73	6/6/1977	40 CFR 52.240(a)(1)&(4)(1)(i)	1/16/1981	46 FR 3833
RC	54	Solid Particulate Matter, Weight	RC	MD 405, 07/25/1977 via Res. 94-03	Ref 06/72	6/30/1972	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	6/30/1972	40 CFR 52.240(a)(1)&(4)(1)(i)	1/16/1981	46 FR 3833
RC	56	Scavenger Plants	RC	None	G-73	6/6/1977	40 CFR 52.220(c)(39)(v)(C)	9/8/1978	43 FR 40011
RC	58	Disposal of Solid and Liquid Wastes	RC	MD 473, 7/25/77 via Res. 94-03	Ref 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	Ref 02/72		40 CFR 52.240(a)(1) & (4)(1)(i)	1/16/1981	46 FR 3883
Old SB	62 I	Sulfur Content of Natural Gas	SBC	None but See MD 431	Ref 02/72	2/21/1972	40 CFR 52.240(a)(1) & (4)(1)(i)	1/16/1981	46 FR 3883
Old SB	67	Fuel Burning Equipment	SBC	None but See MD 474 and 476	Ref 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	Ref 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	Ref 02/72	2/21/1972	40 CFR 52.240(a)(1) & (4)(1)(i)	1/16/1981	46 FR 3886
Old SB	70	Asphalt Air Blowing	SBC	Fed Neg Dec. 10/26/1994	Ref 02/72	2/21/1972	40 CFR 52.240(a)(1) & (4)(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	Ref 11/79	11/19/1979	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	6/6/1977	40 CFR 52.220(c)(39)(v)(C)	9/8/1978	43 FR 4001
Old SB	73	Dry Sandblasting	SBC	None	Ref 02/72	4/10/1975	40 CFR 52.220(C)(2)(v)	6/14/1978	43 FR 25684
RC	74	Vacuum Producing Devices or Systems	RC	Fed Neg Dec 12/21/1994	Ref 06/72	6/30/1972	40 CFR 52.269(b)(3)(ii)(A)		
SC	101	Title	RC	7/1/1993 via Res. 94-03	Ref 11/77	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	101	Title	SBC			12/19/1998	40 CFR 52.220(c)(179)(i)(B)	11/27/1990	55 FR 49281
MD	102	Definition of Terms				4/23/2018	40 CFR 52.220(c)(52)(i)(A)(1)	7/2/2019	84 FR 31682
MD	102	Definition of Terms				8/26/2019 (SIP Sub)			
MD	103	Definition of District Boundaries	MD			6/28/1995			
SB	103	Definition of Terms (Unknown rule - no record except in FR reference)	MD			8/10/1995	40 CFR 52.220(c)(224)(i)(C)(2)	6/3/1996	64 FR 29750
SB	104	Reporting of Source Data Analysis	SBC	None	Ref 11/77	11/4/1977	40 CFR 52.236(e)(3)(i)	1/16/1981	46 FR 3833
SC	104	Reporting of Source Data Analysis	RC			8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	104	Reporting of Source Data Analysis				12/19/1988	40 CFR 52.220(c)(179)(i)(B)(i)	11/27/1990	55 FR 49281
SC	106	Increments of Progress	RC	12/19/1988 via Res. 94-03	Ref 06/78	8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	106	Increments of Progress				12/19/1988	40 CFR 52.220(c)(179)(i)(B)(i)	11/27/1990	55 FR 49281
MD	107	Certification and Emission Statements	MD			9/14/1992	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			Ref 3/1/82	40 CFR 52.220(c)(121)(i)(v)(B)	10/11/1983	48 FR 46046
SC	108	Alternate Emission Control Plans	RC	None	4/6/1990	12/31/1990	40 CFR 52.220(c)(182)(i)(A)(5)	8/30/1993	58 FR 45445
SC	109	Recordkeeping for Volatile Organic Compound Emissions	RC	None	Ref 09/92	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(6)	4/13/1995	60 FR 18751
SC	201	Permit to Construct	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	201	Permit to Construct	SBC			7/25/1977	40 CFR 52.220(c)(39)(i)(B)	11/9/1978	43 FR 52237
SC	202	Temporary Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	202	Temporary Permit to Operate	SBC			7/25/1977	40 CFR 52.220(c)(39)(i)(B)	11/9/1978	43 FR 52237
SC	203	Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	203	Permit to Operate	SBC			7/25/1977	40 CFR 52.220(c)(39)(i)(B)	11/9/1978	43 FR 52237
SC	204	Permit Conditions	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	204	Permit Conditions	SBC			7/25/1977	G-73		
SC	205	Cancellation of Application	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	205	Cancellation of Application	SBC			7/25/1977	40 CFR 52.220(c)(39)(i)(B)	11/9/1978	43 FR 52237
SC	206	Posting of Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	206	Posting of Permit to Operate	SBC			7/25/1977	40 CFR 52.220(c)(39)(i)(B)	11/9/1978	43 FR 52237
SC	207	Altering or Falsifying of Permit	RC	7/25/1977 via Res. 94-03	G-73	6/6/1977	40 CFR 52.220(c)(39)(i)(B)	6/9/1982	47 FR 25013
SB	207	Altering or Falsifying of Permit	SBC			7/25/1977	G-73		
SC	208	Permit for Open Burning	RC	7/25/1977 via Res. 94-03	G-73	6/6/1977	40 CFR 52.220(c)(39)(i)(B)	11/9/1978	43 FR 52237
SB	208	Permit for Open Burning	SBC			7/25/1977	G-73		
SC	209	Transfer and Voiding of Permit	RC	7/25/1977 via Res. 94-03	G-73	6/6/1977	40 CFR 52.220(c)(29)(i)(C)	9/8/1978	43 FR 40011
SB	209	Transfer and Voiding of Permit	SBC			7/25/1977	G-73		
SC	212	Standards for Approving Permits	RC	7/25/1977 via Res. 94-03	5/11/1987	6/9/1987	40 CFR 52.220(c)(173)(i)(A)(1)	2/3/1989	54 FR 5448
SB	212	Standards for Approving Permits	SBC			7/25/1977	G-73		
SC	217	Provision for Sampling and Testing Facilities	RC	7/25/1977 via Res. 94-03	G-73	6/6/1977	40 CFR 52.220(c)(39)(i)(B)	11/9/1978	43 FR 52237
SB	217	Provision for Sampling and Testing Facilities	SBC			7/25/1977	G-73		
SC	218	Stack Monitoring	RC	7/25/1977 via Res. 94-03	Ref 10/81	10/23/1981	40 CFR 52.220(c)(103)(viii)(A)	7/6/1982	47 FR 29231
SO	218	Stack Monitoring	SBC			7/25/1977	G-73		
SB	219	Equipment Not Requiring a Written Permit	SBC			1/28/2019	G-73		
SC	219	Equipment Not Requiring a Written Permit Pursuant to Regulation II	RC			9/4/1981	40 CFR 52.220(c)(103)(viii)(A)	11/9/1978	43 FR 52237
MD	219	Equipment Not Requiring a Written Permit	MD			1/28/2019 (SIP Sub)			
SC	220	Exemption, Net Increase in Emissions	RC	11/25/1991 via Res. 94-03	8/7/1981	10/23/1981	40 CFR 52.220(c)(103)(viii)(A)	7/6/1982	47 FR 29231

MDAQMD Federal Operating Permit
DANIEL COMPANY LLC
Permit Number: 157602667

Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite	
SC	221	Plans	R.C	None	14/1985	11/12/1985	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 Requirement	MD		2/28/2011	(SIP Sub)				
MD	222	Limitation on Potential to Emit	MD		2/28/2011	7/31/1995	10/13/1995	40 CFR 52.220(c)(225)(i)(B)(1)	8/31/2004	69 FR 52005
MD	222	Limitation on Potential to Emit	MD		2/28/2011	(SIP Sub)				
SC	301.2	Fee Schedules	R.C	None	6/3/1983	7/19/1983	40 CFR 52.220(c)(137)(vi)(B)	10/19/1984	49 FR 41028	
MD	315	Federal Clean Air Act Section 185 Penalty	MD		10/24/2011	(SIP Sub)				
SC	401	Variable Emissions	R.C		8/26/2019	4/7/1989	3/26/1990	40 CFR 52.220(c)(155)(v)(B)	1/29/1985	50 FR 3906
MD	401	Variable Emissions	MD		8/26/2019	(SIP Sub)				
SC	403	Fugitive Dust	R.C	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013	
SB	403	Fugitive Dust	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011	
MD	403.1	Respirable Particulate Matter in SVPA	MD		11/25/1996	3/3/1997	40 CFR 52.220(c)(224)(i)(C)(2)	8/13/2009	74 FR 40750	
MD	403.2	Fugitive Dust Control for MDPA	MD		7/22/1996	(SIP Sub)				
SC	404	Particulate Matter, Concentration	R.C	7/25/1977 via Res. 94-03	10/5/1979	8/11/1980	FR Test	6/9/1982	47 FR 25013	
SC	404	Particulate Matter, Concentration	R.C	7/25/1977 via Res. 94-03	10/5/1979	2/3/1983	40 CFR 52.220(c)(137)(vi)(B)	10/4/1984	49 FR 41028	
SB	404	Particulate Matter - Concentration	SBC	7/25/1977	Current	11/4/1977	40 CFR 52.220(c)(42)(iii)(A)	12/21/1978	43 FR 52489	
SC	405	Solid Particulate Matter, Weight	R.C	7/25/1977 via Res. 94-03	5/7/1976	8/11/1980	FR Test	6/9/1982	47 FR 25013	
SB	405	Solid Particulate Matter, Weight	SBC	7/25/1977	Current	11/4/1977	40 CFR 52.220(c)(42)(iii)(A)	12/21/1978	43 FR 52489	
SB	406	Specific Contaminants	SBC	2/20/1979	7/25/1977	11/4/1977	40 CFR 52.220(c)(42)(iii)(A)	12/21/1978	43 FR 59489	
SC	407	Liquid and Gaseous Air Contaminants	R.C	7/25/1977 via Res. 94-03	4/2/1982	8/6/1982	40 CFR 52.220(c)(124)(v)(A)	11/10/1982	47 FR 50864	
SB	407	Liquid and Gaseous Air Contaminants	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011	
SC	408	Circumvention	R.C	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013	
SB	408	Circumvention	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011	
SC	409	Combustion Contaminants	R.C	7/25/1977 via Res. 94-03	8/7/1981	10/23/1981	40 CFR 52.220(c)(103)(viii)(A)	7/6/1982	47 FR 29231	
SB	409	Combustion Contaminants	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011	
SC	431	Sulfur Content of Fuels	R.C	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011	
SC	431.1	Sulfur Content of Gaseous Fuels	R.C	See MD 431	5/6/1983	7/19/1983	40 CFR 52.220(c)(137)(vi)(B)	10/19/1984	49 FR 41028	
SC	431.2	Sulfur Content of Liquid Fuels	R.C	See MD 431	8/1/80	8/11/1980	FR Test	6/9/1982	47 FR 25013	
SC	431.3	Sulfur Content of Solid Fuels	R.C	See MD 431	8/1/80	8/11/1980	FR Test	6/9/1982	47 FR 25013	
SC	432	Gasoline Specifications	R.C	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013	
SB	432	Gasoline Specifications	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011	
MD	442	Usage of Solvents	MD		2/27/2006	Current	10/5/2006	40 CFR 52.220(c)(347)(i)(C)(1)	9/17/2007	72 FR 52791
SC	443	Labeling of Solvents	R.C	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013	
SB	443	Labeling of Solvents	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011	
MD	444	Open Fires	R.C	9/25/2006	Current	5/8/2007	40 CFR 52.220(c)(350)(B)(1)	10/31/2007	72 FR 61525	
SC	461	Gasoline Transfer and Dispensing	R.C	1/22/2018	8/2/83	2/3/1983	40 CFR 52.220(c)(127)(vi)(B)	5/3/1984	49 FR 18829	
MD	461	Gasoline Transfer and Dispensing	MD		1/22/2018	5/25/1994	7/13/1994	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	(SIP Sub)				
SC	462	Organic Liquid Loading	R.C	1/22/2018	8/1/80	8/11/1980	FR Test	6/9/1982	47 FR 25013	
MD	462	Organic Liquid Loading	MD		1/22/2018	5/24/1994	7/13/1994	40 CFR 52.220(c)(198)(i)(E)(1)	5/3/1995	60 FR 21702
MD	462	Organic Liquid Loading	MD		1/22/2018	(SIP Sub)				
SC	463	Storage of Organic Liquids	R.C	1/22/2018	8/10/84	10/19/1984	40 CFR 52.220(c)(156)(vi)(A)	1/15/1987	52 FR 1627	
MD	463	Storage of Organic Liquids	MD		1/22/2018	11/2/1992	40 CFR 52.220(c)(191)(i)(C)	5/3/1995	60 FR 21702	
MD	463	Storage of Organic Liquids	MD		1/22/2018	(SIP Sub)				
MD	464	Oil Water Separators	R.C	6/12/2014	Current	11/16/2014	40 CFR 52.220(c)(457)(i)(B)(1)	6/5/2015	80 FR 32026	
SC	465	Vacuum Producing Devices or Systems	R.C	Rescinded & Fed. Reg. Dec 12/21/1994	8/1/80	5/13/1991	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. Reg. Dec 12/21/1994	Not SIP	12/29/1994	40 CFR 52.220(a)(1)(iii)	9/11/1995	60 FR 47074
SC	466	Pumps and Compressors	R.C	Rescinded & See 1102 10/26/94	8/12/83	12/2/1983	40 CFR 52.220(c)(166)(i)(A)(1)	11/5/1987	52 FR 1627	
MD	466	Pumps and Compressors (Rescinded)	MD		Rescinded & See 1102 10/26/94	Not SIP	11/30/1994	40 CFR 52.220(c)(39)(i)(G)	8/19/1999	64 FR 45175
SC	466.1	Valves and Flanges	R.C	None	5/2/1980	8/11/1980	FR Test	6/9/1982	47 FR 25013	
SC	468	Sulfur Recovery Units	R.C	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013	
SB	468	Sulfur Recovery Units	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011	
SC	469	Sulfuric Acid Units	R.C	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013	
SB	469	Sulfuric Acid Units	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011	
MD	471	Asphalt Roofing Operations	R.C		12/21/1994	Current	12/22/1994	40 CFR 52.220(c)(210)(i)(C)(2)	2/29/1996	61 FR 7706
SC	472	Reduction of Animal Matter	R.C	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013	
SB	472	Reduction of Animal Matter	SBC	7/21/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011	
MD	473	Disposal of Liquid and Solid Wastes	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(i)(C)	9/8/1978	43 FR 40011	
MD	474	Fuel Burning Equipment - Oxides of Nitrogen	MD		8/25/1997	8/11/86	11/26/1996	40 CFR 52.220(c)(254)(i)(B)(1)	1/11/1999	64 FR 1517
MD	474	Fuel Burning Equipment - Oxides of Nitrogen	MD		8/25/1997	Current	3/10/1998	??	??	
MD	475	Electric Power Generating Equipment	MD		8/25/1997	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(B)(1)	1/11/1999	64 FR 1517
MD	476	Stream Generating Equipment	MD		8/25/1997	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(B)(1)	1/11/1999	64 FR 1517
SB	480	Natural Gas Fired Control Devices	SBC		2/20/1979	Current	5/23/1979	40 CFR 52.220(c)(51)(iii)(A)	12/7/1981	46 FR 8471

MDAQMD Federal Operating Permit
DANIEL COMPANY LLC
Permit Number: 157602667

Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite	
SC	481	Spray Coating Operations	R/C	1113, 1114, 1115 & 1116	5/5/1978	8/11/1980	FR Text	6/9/1982	47 FR 25013	
SC	501	General	R/C		6/10/2019	Ref 8/80	8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	900	Standards of Performance for New Stationary Sources	MD		2/25/2019	Delegated				
MD	1000	National Emissions Standards for Hazardous Air Pollutants	MD		2/25/2019	Delegated				
SC	1101	Secondary Lead Smelter/Sulfur Oxides (SC Adopted 10/7/77)	R/C	None	4/4/1980	8/11/1980	FR Text	6/9/1982	47 FR 25013	
SC	1102	Petroleum Solvent Dry Cleaners (SC Amended 12/7/90)	R/C	None	12/7/1990	5/13/1991	40 CFR 52.220(c)(184)(v)(B)(1)	5/24/1992	57 FR 10136	
MD	1102	Fugitive Emissions of VOCs from Components at Pipeline Transfer Stations	MD	10/26/1994	Current	1/30/1994	40 CFR 52.220(c)(207)(D)	9/2/1993	60 FR 49772	
SC	1102.1	Perchloroethylene Dry Cleaning Systems	R/C	None	12/7/1990	5/13/1991	40 CFR 52.220(c)(184)(v)(B)(1)	5/24/1992	57 FR 10136	
SC	1103	Pharmaceuticals and Cosmetics Manufacturing Operation	R/C	None	4/6/1980	4/23/1980	40 CFR 52.220(c)(169)(iii)	7/8/1982	47 FR 29668	
MD	1103	Curbank and Baulkified Asphalt	MD	12/21/1994	Current	12/22/1994	40 CFR 52.220(c)(207)(v)(C)(1)	8/5/1996	61 FR 4215	
SC	1104	Wood Flat Stock Coating Operations (SC Amended 8/2/91)		None	3/1/1991	10/25/1991	40 CFR 52.220(c)(186)(v)(C)(1)	6/23/1994	59 FR 32354	
MD	1104	Organic Solvent Degreasing Operations	MD	4/23/2018	Current	7/16/2018	40 CFR 52.220(c)(519)(v)(A)(1)	7/2/2019	84 FR 31682	
SC	1105	Fluid Catalytic Cracking Units Oxides of Nitrogen (SC Adopted 9/8/84)	R/	None	9/8/1984	2/6/1985	40 CFR 52.220(c)(159)(v)(C)	7/12/1990	55 FR 28625	
MD	1106	Marine & Pleasure Craft Coating Operations	MD	10/24/2016	Current	Aft 10/2016	40 CFR 52.220(c)(498)(v)(B)(1)	2/12/2018	83 FR 5940	
SC	1107	Miscellaneous Metal Parts, Products and Coatings Operations	R/C	None	9/6/1991	5/13/1993	40 CFR 52.220(c)(193)(v)(A)(1)	12/20/1993	58 FR 66285	
SC	1108	Curbank Asphalt	R/C	None	2/1/1985	4/12/1985	40 CFR 52.220(c)(160)(v)(E)(1)	7/12/1990	55 FR 28624	
SC	1108.1	Elmunified Asphalt	R/C	None	Ref 3/84	3/14/1984	40 CFR 52.220(c)(153)(v)(A)	1/24/1985	50 FR 3339	
SC	1110	Emissions from Stationary Internal Combustion Engines	R/C	None	Ref 3/82	3/1/1982	40 CFR 52.220(c)(121)(v)(C)	5/3/1984	47 FR 18822	
SC	1111	NOx Emissions from Natural Gas Fired, Fan Type Central Furnaces	R/C	None	Ref 10/83	10/27/1983	40 CFR 52.220(c)(148)(v)(A)	5/3/1984	49 FR 18830	
SC	1112	Emissions of Oxides of Nitrogen from Cement Kilns	R/C	None	1/6/1984	4/12/1984	40 CFR 52.220(c)(154)(v)(B)	1/7/1986	51 FR 600	
SC	1113	Architectural Coatings	R/C	None	4/23/2012	Ref 7/84	7/10/1984	40 CFR 52.220(c)(155)(v)(A)	1/24/1985	50 FR 3339
MD	1113	Architectural Coatings	MD	4/23/2012	Current	2/6/2013	40 CFR 52.220(c)(142)(v)(C)(1)	1/3/2014	79 FR 365	
MD	1114	Wood Products Coating Operations	MD	1/22/2018	Current	3/3/1997	40 CFR 52.220(c)(518)(v)(A)(1)	7/2/2019	84 FR 31682	
SC	1115	Motor Vehicle Assembly and Component Coating Operations	R/C	None	3/6/1992	3/3/1997	40 CFR 52.220(c)(189)(v)(A)(1)	12/20/1993	58 FR 66282	
MD	1115	Metal Parts & Products Coating Operations	MD	1/22/2018	Current	3/4/1992	40 CFR 52.220(c)(189)(v)(A)(1)	12/20/1993	58 FR 66282	
MD	1116	Automotive Refinishing Operations	MD	8/23/2010	Current	5/23/2010	40 CFR 52.220(c)(512)(v)(C)(2)	2/27/2020	85 FR 11812	
SC	1117	Emissions of Oxides of Nitrogen from Glass Melting Furnaces	R/C	None	SC 1/6/1984	12/3/1984	40 CFR 52.220(c)(159)(v)(D)	8/19/2012	77 FR 47336	
MD	1117	Graphic Arts	MD	9/28/2009	Current	7/20/2010	40 CFR 52.220(c)(381)(v)(B)(1)	3/1/2012	77 FR 12495	
MD	1118	Aerospace Vehicle Parts & Products Coating Operations	MD	10/26/2015	Current	4/21/2016	40 CFR 52.220(c)(485)(v)(B)(1)	6/21/2017	82 FR 28240	
SC	1119	Petroleum Coke Calcining Operations Oxides of Sulfur	R/C	None	3/2/1979	7/25/1980	40 CFR 52.220(c)(88)(v)(i)(A)	9/28/1981	46 FR 47451	
SC	1120	Asphalt Pavement Heaters	R/C	None	8/4/1978	7/25/1980	40 CFR 52.220(c)(65)(i)	9/28/1981	46 FR 47451	
SC	1121	Control of Nitrogen Oxides from Residential Type Natural Gas Fired Water Heaters	R/C	None	12/1/1978	4/2/1980	40 CFR 52.220(c)(67)(v)(B)	9/28/1981	46 FR 47451	
SC	1122	Solvent Metal Cleaners (Degreasers)	R/C	None	7/8/1983	10/27/1983	40 CFR 52.220(c)(148)(v)(B)	10/3/1984	49 FR 39057	
SC	1123	Refinery Process Turnaround	R/C	None	SC 12/7/1990	5/13/1991	40 CFR 52.220(c)(184)(v)(B)(2)	8/1/1992	57 FR 35758	
SC	1124	Aerospace Assembly and Component Coating Operations	R/C	None	EEF 4/84	4/19/1984	40 CFR 52.220(c)(154)(v)(A)	1/24/1985	50 FR 3339	
SC	1125	Metal Container, Closure and Coil Coating Operations	R/C	None	SC 8/2/1991	5/13/1993	40 CFR 52.220(c)(189)(v)(A)(4)	4/14/1994	59 FR 17898	
SC	1126	Magnet Wire Coating Operations	R/C	None	SC 3/6/1992	9/14/1992	40 CFR 52.220(c)(189)(v)(A)(2)	12/20/1993	58 FR 66286	
MD	1126	Municipal Solid Waste Landfills	MD	8/28/2000	Not SIP	12/20/2000	40 CFR 60.23			
SC	1128	Paper, Fabric and Film Coating Operations	R/C	None	SC 2/7/1992	9/14/1992	40 CFR 52.220(c)(189)(v)(A)(5)	12/20/1993	58 FR 66287	
SC	1130	Graphic Arts	R/C	None	Ref 5/1993	5/13/1993	40 CFR 52.220(c)(193)(v)(A)(2)	4/14/1994	59 FR 17698	
SC	1136	Wood Furniture and Cabinet Coatings	R/C	None	Ref 5/92	5/13/1992	40 CFR 52.220(c)(189)(v)(A)(4)	4/14/1994	59 FR 17698	
SC	1140	Abrasive Blasting	R/C	None	2/1/1980	4/2/1980	40 CFR 52.220(c)(67)(v)(B)	9/28/1981	46 FR 47451	
SC	1141	Control of Volatile Organic Compound Emissions from Resin Manufacturing	R/C	None	SC 4/3/1992	3/19/1992	40 CFR 52.220(c)(189)(v)(A)(3)	12/20/1993	58 FR 66286	
SC	1141.1	Coatings and Ink Manufacturing	R/C	None	11/4/1983	3/14/1984	40 CFR 52.220(c)(153)(v)(B)	1/24/1985	50 FR 3339	
SC	1142	Surfactant Manufacturing	R/C	None	SC 7/6/1984	10/19/1984	40 CFR 52.220(c)(156)(v)(A)	1/15/1987	52 FR 1627	
SC	1142	Marine Tank Vessel Operations	R/C	None	None	1/28/1992	40 CFR 52.220(c)(187)(v)(C)(1)			
SC	1145	Plastic, Rubber and Glass Coatings	R/C	None	SC 1/10/1992	1/11/1993	40 CFR 52.220(c)(191)(v)(A)(1)	12/20/1993	58 FR 66286	
SC	1148	Thermally Enhanced Oil Recovery Wells	R/C	None	Ref 10/1983	10/27/1983	40 CFR 52.220(c)(148)(v)(B)	77	77	
SC	1151	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations	R/C	None	Ref 5/13/1993	5/13/1993	40 CFR 52.220(c)(193)(v)(A)(1)	12/20/1993	58 FR 66286	
SC	1153	Commercial Bakery Ovens	R/C	None	SC 1/4/1991	5/13/1991	40 CFR 52.220(c)(184)(v)(B)(3)	5/29/1993	58 FR 50850	
MD	1157	Boilers and Process Heaters	MD	1/22/2018	5/19/1997	8/1/1997	40 CFR 52.220(c)(248)(v)(D)	4/20/1999	64 FR 19277	
MD	1157	Boilers and Process Heaters	MD	1/22/2018	(SIP Sub)	5/23/2018				
SC	1158	Storage, Handling and Transport of Petroleum Coke	R/C	None	SC Ref 5/93	3/14/1984	40 CFR 52.220(c)(153)(v)(B)	1/15/1987	52 FR 1627	
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	8/25/1997	3/10/1998	40 CFR 52.220(c)(254)(v)(B)(2)	7/20/1999	64 FR 38832	
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	(SIP Sub)	11/13/2017				
SC	1159	Nitric Acid Units - Oxides of Nitrogen	R/C	None	SC 12/6/1985	2/10/1986	40 CFR 52.220(c)(168)(v)(B)	7/12/1990	55 FR 28622	
MD	1159	Stationary Gas Turbines	MD	9/28/2009	Current	5/17/2010	40 CFR 52.220(c)(379)(v)(E)(1)	10/25/2012	77 FR 65133	
MD	1160	Internal Combustion Engines	MD	1/22/2018	10/26/1994	11/30/1994	40 CFR 52.220(c)(207)(v)(D)(5)	11/1/1996	61 FR 56470	
MD	1160	Internal Combustion Engines	MD	1/22/2018	(SIP Sub)	3/23/2018				
MD	1161	Portland Cement Kilns	MD	1/22/2018	3/25/2002	6/18/2002	40 CFR 52.220(c)(300)(v)(A)(1)	2/27/2003	68 FR 9015	
MD	1161	Portland Cement Kilns	MD	1/22/2018	(SIP Sub)	5/23/2018				
MD	1162	Polyester Resin Operations	MD	1/22/2018	8/27/2007	3/7/2008	40 CFR 52.220(c)(354)(v)(B)(1)	11/24/2008	73 FR 70883	

MDAQMD Federal Operating Permit
DANIEL COMPANY LLC
Permit Number: 157602667

Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
MD	1162	Polyester Resin Operations	MD	1/22/2018	Current	5/23/2018	40 CFR 52.220(c)(519)(i)(A)(1)	2/27/2020	85 FR 11812
SC	1164	Semiconductor Manufacturing Operations	RC	None	Ref 10/1993			10/26/1993	58 FR 48459
MD	1165	Glass Melting Furnaces	MD	8/12/2008	Current	12/23/2008	40 CFR 52.220(c)(364)(i)(D)(1)	7/2/2012	77 FR 39181
SC	1171	Solvent Cleaning	RC	None	SC Ref 1991	6/19/1992	40 CFR 52.220(c)(185)(i)(C)(1)	12/29/1993	58 FR 66285
SC	1173	Fugitive Emissions of Volatile Organic Compounds	RC	None	12/7/1990	6/18/1992	40 CFR 52.220(c)(185)(i)(C)(1)	12/29/1993	58 FR 66285
SC	1175	Control of Emissions from the Manufacture of Polymeric Cellular (Foam) Products	RC	None	SC Ref 9/91	7/7	40 CFR 52.220(c)(182)(i)(A)(1)	7/7	
MD	1176	General (Federal Operating Permits)	RC	None	Ref 12/1990	12/31/1990	40 CFR 52.220(c)(182)(i)(A)(1)	10/26/1992	57 FR 48459
MD	1201	Definitions (Federal Operating Permit)	MD						
MD	1202	Applications	MD						
MD	1203	Federal Operating Permits (Federal Operating Permits)	MD						
MD	1205	Modifications of Federal Operating Permits (Federal Operating Permits)	MD						
MD	1206	Reopening, Reissuance and Termination of Federal Operating Permits (Federal Operating Permit)	MD						
MD	1206	Permit	MD						
MD	1207	Notice and Comment (Federal Operating Permit)	MD						
MD	1208	Certification (Federal Operating Permit)	MD						
MD	1209	Appeals (Federal Operating Permit)	MD						
MD	1210	Acid Rain Provisions of Federal Operating Permits (Federal Operating Permit)	MD						
MD	1211	Greenhouse Gas Provisions of Federal Operating Permits (Federal Operating Permit)	MD						
MD	1300	General	MD						
MD	1300	General	MD						
MD	1301	Definitions	MD						
MD	1301	Definitions	MD						
MD	1302	Procedure	MD						
MD	1302	Procedure	MD						
MD	1303	Requirements	MD						
MD	1303	Requirements	MD						
MD	1304	Emissions Calculations	MD						
MD	1303	Emissions Calculations	MD						
MD	1305	Emissions Offsets	MD						
MD	1305	Emissions Offsets	MD						
MD	1306	Electric Energy Generating Facilities	MD						
MD	1306	Electric Energy Generating Facilities	MD						
MD	1310	Federal Major Facilities and Federal Major Modifications	MD						
MD	1400	General (Emission Reduction Credits)	MD						
MD	1401	Definitions (Emissions Reduction Credits)	MD						
MD	1402	Emission Reduction Credit Registry	MD						
MD	1404	Emission Reduction Credit Calculations	MD						
MD	1520	Control of Toxic Air Contaminants From Existing Sources	MD						
MD	1600	Prevention of Significant Deterioration	MD						
MD	2001	Transportation Conformity	MD						
MD	2002	General Federal Actions Conformity	MD						
MD	FND	Fed. Neg. Dec. - Asphalt Air Blowing	MD						
MD	FND	Fed. Neg. Dec. - Air Oxidation Process - SOx/PM	MD						
MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	RC	5/25/1994 via Res. 94-03	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	SBC						
MD	FND	Fed. Neg. Dec. - Equipment Leaks from Natural Gas/Gasoline Processing Plants	MD						
MD	FND	Fed. Neg. Dec. - Fugitive Emissions from Synthetic Organic chemical Polymer and Resin manufacturing Equipment	MD						
MD	FND	Fed. Neg. Dec. - Industrial Wastewater	MD						
MD	FND	Fed. Neg. Dec. - Large Petroleum Dry Cleaners	MD						
MD	FND	Fed. Neg. Dec. - Leaks from Petroleum Refinery Equipment	MD						
MD	FND	Fed. Neg. Dec. - Manufacture of High-Density Polyethylenes, Polypropylenes, and Polystyrene Resins	MD						
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	RC	5/25/1994 via Res. 94-03	Unknown				
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	SBC						
MD	FND	Fed. Neg. Dec. - Offset Lithography	MD						
MD	FND	Fed. Neg. Dec. - Orchard & Citrus Heaters	MD						
MD	FND	Fed. Neg. Dec. - Petroleum Refinery Equipment	MD						
MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (Business Machines)	MD						
MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (other)	MD						
MD	FND	Fed. Neg. Dec. - Pneumatic Rubber Tire Manufacturing	MD						

Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
MD	FND	Fed. Neg. Dec. - Polymer Manufacturing SOCMIs and Polymer manufacturing Equipment Leaks	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Process Unit Turnarounds	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Reactor Processes and Distillation Operations in SOCMIs	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Ship Building	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(v)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Surface Coating of Cars	MD	1/22/2007	Current	7/11/2007	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	7/11/2007	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	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Large Appliances	MD	1/22/2007	Current	7/11/2007	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	7/11/2007	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 Duty Truck Assembly Plants	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Synthesized Pharmaceutical Products	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Batch Processing	MD		Current	8/7/1995	40 CFR 52.222(a)(1)(v)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Industry	MD		Current	8/7/1995	40 CFR 52.222(a)(1)(v)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Reactors	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(v)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Polymer and Resin Manufacturing	MD	1/22/2007	Current	7/11/2007	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	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
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	7/16/2018	40 CFR 52.220(c)(519)(ii)(X)(1) and 52.222(a)(1)(viii)	2/27/2020	85 FR 11812
MD	FND	Fed. Neg. Dec. - 1 CTG for Miscellaneous Metal and Plastic Parts Coatings (EPA-453/R-08-003), Table 6—Motor Vehicle Materials	MD	10/22/2018	Current	12/7/2018	40 CFR 52.220(c)(511)(ii)(X)(1) and 52.222(a)(1)(vii)	2/27/2020	85 FR 11812
MD	Title V	Program - Federal Operation Permits Title V					40 CFR 70 Apz. A California (q)(2)	12/17/2002	66 FR 63503
MD	Title V	Program - Federal Operation Permits Title V			Unknown		40 CFR 70 Apz. A California (q)(2)	10/15/2002	67 FR 63551
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, IIII, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, TTT, UUU, VVV, XXX, AAAA, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, IIII, IIII, KKKK, MMMM, NNNN, OOOO, PPPP, QQQQ, RRRR, SSSS, TTTT, UUUU, VVVV, WWWW, XXXX, YYYY, ZZZZ, AAAAA, BBBBB, CCCCC, DDDDD, EEEEE, FFFFF, GGGGG, HHHHH, IIIII, LLLLL, MMMMM, NNNNN, PPPPP, QQQQQ, RRRRR, SSSSS, TTTTT, VVVVV, WWWW, XXXXX, YYYYY, ZZZZZ, AAAAAA, BBBBBB, CCCCCC, DDDDDD, EEEEEEE, FFFFFFF, GGGGGG, HHHHHH, IIIIII, LLLLLL, MMMMMM, NNNNNN, OOOOOO, PPPPPP, QQQQQQ, RRRRRR, SSSSSS, TTTTTT, VVVVVV, WWWW, XXXXXX, YYYYYY, ZZZZZZ, AAAAAA, BBBBBB, CCCCCC, DDDDDD, EEEEEEE)	MD		Current				
MD	NESHAP	NESHAPS Delegation (Sections A, C, D, E and M)	SB		N/A				
MD	NSPS	NSPS Delegation (Sections A, D, Da, Db, Dc, E, Ea, Eb, Ec, F, G, H, I, J, Ja, K, Ka, Kb, L, M, N, Na, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, Aa, Bb, Cc, Dd, Ee, Gg, Hh, Kk, Ll, Mm, Nn, Pp, Qq, Rr, Ss, Tt, Uu, Vv, Vva, Ww, Aaa, Bbb, Ddd, Fff, Ggg, Gga, Hh, Ii, Jj, Kk, Lll, Mmm, Nnn, Ooo, Ppp, Qqq, Rrr, Sss, Ttt, Uuu, Vvv, Wwww, Aaaa, Cccc, Eeee, Hhhh, Iiii, Kkkk)	MD		Current			4/30/2013	78 FR 25185
MD	FND	19 Source Category FNDs (including Oil & Gas)	MD	10/28/2019	(SIP Sub)	12/20/2019			