Federal Operating Permit

Permit No.: **008700587**

Company: **United States Marine Corps (USMC)**

Facility: **USMC Logistics Base, Barstow - Yermo Annex**

Issue date: **February 1, 2022**

Expiration date: **February 1, 2027**

Mojave Desert Air Quality Management District

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Signed and issued by

Brad Poiriez

Executive Director/
Air Pollution Control Officer

Record of Changes

December 7, 2023 – Significant Permit Modification as follows:

USMC MCLB, Yermo proposes to construct a diesel-fired IC engine powering an emergency generator, District Permit E014662, to be located near building 588 at the E-85 Dispensing Facility. The engine is a Cummins Model Number QSB5-G13 rated at 173 BHP, Tier 3, model year 2020, USEPA Engine Family NCEXL0275AAK.

December 7, 2023 – Minor Permit Modification as follows:

USMC MCLB Yermo proposes to modify two existing exempt alkaline cleaning tanks, Tanks #6 and #7 located on the Small Arms Area Dip Tank Line. These tanks will be converted for use as Parkerizing tanks similar to Small Arms Area Dip Tanks #1 and #2 (District Permits T012039 and T012044). Tanks #6 and #7 (District Permits T014749 and T014795) are each equipped with a 0.83 MMBtu/hr burner to be used as a process heater for the solution in the tanks. The current permit limit of 2470 hours of operation per year, which is applied as a combined limit for tanks #1 and #2, will be applied as a combined limit for tanks #6 and #7. Tanks #1 and #2 will be decommissioned and removed. Because this change qualifies as a replacement under District Rule 1301(NN), and is not a Modification under NSR, the change results in a Minor Title V Permit Modification.

December 7, 2023 – Minor Permit Modification as follows:

USMC MCLB Yermo proposes to replace an existing IC Engine powering an emergency generator, District Permit E009529, with a new unit that qualifies as a replacement under District Rule 1301(NN), and is not a Modification under NSR. The existing engine, a Cummins Model No. 4BT3.9-G2, serial number 44681849 producing 86 bhp, Tier 0, model year 1991. The replacement engine is a Kohler Model No. KDI 3404TCR producing 86 bhp, Tier 3, model year 2022, USEPA Engine Family NKHXL03.4TCG.

Other Permit Changes:
Part III – Equipment Specific Applicable Requirements have been modified to list each unit separately by District Permit Number instead of grouped together with other similar units. Equipment description specifications have been moved from Part I.B. for inclusion in Part III.
Part

Please refer to the Preliminary Determination/Decision Documented dated X-X-X for full details.
Modified by Kent Christensen

February 2022 – Title V Permit Renewal;
The Mojave Desert Air Quality Management District received an application on June 25, 2020 to renew the current Title V Federal Operating Permit (FOP) for US Marine Corps, Marine Corps Logistics Base, Yermo Annex (MCLB-Yermo). The application was reviewed by the District and subsequently determined complete. Specific details pertaining to the renewal can be found in the District's corresponding Statement of Legal and Factual Basis which supports this renewal.
Modified by Kent Christensen.

June 26, 2019 - Administrative Permit Amendment described as follows;
Updated Title V Permit: Part I (A) - Personnel change to Facility Site Contact.
Modified by Samantha Lopez.

June 20, 2019 - Administrative Permit Amendment described as follows;
Updated Title V Permit: Part I (A) - Personnel change to Responsible Official, Alternate Responsible Official, and Facility Site Contacts.
Modified by Samantha Lopez.

June 27, 2016 – A minor modification to incorporate (a) the replacement of a 355 bhp diesel fueled internal combustion engine with a 153 bhp natural gas fueled internal combustion engine to power an emergency generator at Building 573, (b) the replacement of the facility's old dynamometer shop and dyno test stands with a new dyno shop and test stands, (c) the replacement of a rotary table abrasive blaster, and (d) to administratively update the name of the Alternate Responsible Official and Site Contact. There were also numerous changes to descriptions and permit conditions to enhance clarity and understanding, including the removal of permit conditions incorrectly applied to conform with 40 CFR 63, subpart WWWWWW to DIP Tanks not regulated by the NESHAP.
There is a decrease in the facility's potential to emit as a result of this modification.

TABLE OF CONTENTS

PART I
INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION

Owner/Company Name:	United States Marine Corps (USMC)
Owner's Mailing Address:	Commanding Officer Marine Corps Logistics Base Attn: Air Program Manager P.O. Box 110570 Barstow, CA 92311-5050
Facility Name:	USMC Logistics Base, Barstow, CA Yermo Annex
Facility Location:	Yermo, CA
MDAQMD Federal Operating Permit Number:	008700587
MDAQMD Company Number:	0087
MDAQMD Facility Number:	00587
Responsible Official's Name:	Gregory B. Pace, Colonel, USMC
Responsible Official's Title:	Commanding Officer
Responsible Official's Phone Number:	(760) 577-6555
Alternate Responsible Official's Name:	Arturo Manzanedo, Lieutenant Colonel, USMC
Alternate Responsible Official's Title:	Executive Officer
Alternate Responsible Official's Phone Number:	(760) 577- 6102
Facility Site Contact:	Dexter D. Robeson
Facility Site Contact's Title:	Environmental Director
Facility Site Contact's Phone Number:	(760) 577- 6937
Facility Nature of Business:	National Defense
Facility SIC/NAICS Code:	9711/928110 – National Defense
Facility Latitude/Longitude	34.889° N, -116.8792° W

Facility UTM Coordinates (Main Gate) 511.039 E 3860.782 N

B. EQUIPMENT LIST

MCLB-YA is a National Defense facility located in Yermo, California, which utilizes processes related to maintaining, repairing, and testing military equipment. Regulated equipment includes abrasive blasting; surface cleaning, degreasing, and spray coating; engine testing equipment; and affiliated air pollution controls (including dust collectors and thermal oxidizers) and associated support operations (including wastewater treatment and emergency generators).

Permit #	Permit Type	Permit Description
A000951	Abrasive Blasting Equipment	ABRASIVE BLASTING BOOTH (BLDG 570, NORTH HARDSTAND, NORTH UNIT)
A000952	Abrasive Blasting Equipment	ABRASIVE BLASTING BOOTH (BLDG 570, NORTH HARDSTAND, SOUTH UNIT)
A003959	Abrasive Blasting Equipment	ABRASIVE BLASTING BOOTH (BLDG 569)
A004412	Abrasive Blasting Equipment	ABRASIVE BLAST BOOTH (BLDG 629, BAY 3)
A005015	Abrasive Blasting Equipment	ABRASIVE BLASTER, ROTARY (BLDG 573, SMALL ARMS AREA)
A005113	Abrasive Blasting Equipment	ABRASIVE BLASTING BOOTH, MEGA BLAST (BLDG 566)
A008793	Abrasive Blasting Equipment	ABRASIVE BLASTING BOOTH (BLDG 629, BAY 1)
A009130	Abrasive Blasting Equipment	ABRASIVE BLASTING BOOTH, SUPER BLAST BOOTH ONE (BLDG 565)
A009131	Abrasive Blasting Equipment	ABRASIVE BLASTING BOOTH, SUPER BLAST BOOTH TWO (BLDG 565)
A010885	Abrasive Blasting Equipment	ABRASIVE BLASTING BOOTH (NORTH OF BLDG 573)
A012560	Abrasive Blasting Equipment	ABRASIVE BLASTER, ROTARY TABLE (BLDG 629, BAY 2)
B004194	Basic	VEHICLE UNDERCOATING COMPLEX (BLDG 634)
B004680	Basic	WASTEWATER TREATMENT FACILITY, SLUDGE TREATMENT (BLDG 610)

B004681	Basic	WASTEWATER TREATMENT FACILITY, PRIMARY TREATMENT (BLDG 610)
B004753	Basic	VEHICLE UNDERCOATING RACK (BLDG 203, WEST HARDSTAND)
B008746	Basic	INDUSTRIAL WASTEWATER TREATMENT PLANT (BLDG 609)
B012341	Basic	STEAM GENERATOR (STEAM CLEANING RACK UNIT #1)
B012342	Basic	STEAM GENERATOR (STEAM CLEANING RACK UNIT #2)
B012548	Basic	DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 1)
B012549	Basic	DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 2)
B012550	Basic	DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 3)
B012551	Basic	DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 4)
B012552	Basic	DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 6)
B012553	Basic	DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 7)
B012554	Basic	SPIN TEST CELL, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 1)
B012555	Basic	DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 5)
C003245	Air Pollution Control Device	DUST COLLECTOR (BLDG 570, NORTH HARDSTAND)
C003247	Air Pollution Control Device	DUST COLLECTOR (BLDG 570, NORTH HARDSTAND)
C003961	Air Pollution Control Device	DUST COLLECTOR (BLDG 569)
C005010	Air Pollution Control Device	HEPA VAC (BLDG 632)
C008397	Air Pollution Control Device	REGENERATIVE THERMAL OXIDIZER (BLDG 634)
C008808	Air Pollution Control Device	DUST COLLECTOR (BLDG 629)
C009132	Air Pollution Control Device	DUST COLLECTOR (BLDG 565)
C009133	Air Pollution Control Device	DUST COLLECTOR (BLDG 565)

C009623	Air Pollution Control Device	RECUPERATIVE THERMAL OXIDIZER (BLDG 634)
C009968	Air Pollution Control Device	REGENERATIVE THERMAL OXIDIZER (BLDG 634)
C010219	Air Pollution Control Device	DUST COLLECTOR (BLDG 629)
C010410	Air Pollution Control Device	DUST COLLECTOR (BLDG 566)
C010858	Air Pollution Control Device	REGENERATIVE THERMAL OXIDIZER (BLDG 573)
C010859	Air Pollution Control Device	REGENERATIVE THERMAL OXIDIZER #2 (BLDG 573)
C011458	Air Pollution Control Device	REGENERATIVE THERMAL OXIDIZER SYSTEM #3 (BLDG 573)
D012389	Degreaser	ULTRASONIC VAPOR DEGREASER
E004501	Emergency ICE	DIESEL IC ENGINE, EMERGENCY GENERATOR
E005337	Emergency ICE	LPG/PROPANE IC ENGINE, EMERGENCY GENERATOR (BLDG S-578, WELL #4)
E005338	Emergency ICE	LPG/PROPANE IC ENGINE, EMERGENCY GENERATOR (BLDG S-600, WELL #5)
E008109	Emergency ICE	LPG/PROPANE IC ENGINE, EMERGENCY GENERATOR (BLDG 484)
E008110	Emergency ICE	LPG/PROPANE IC ENGINE, EMERGENCY GENERATOR (BLDG S-487, WELL #6)
E008334	Emergency ICE	NATURAL GAS IC ENGINE, EMERGENCY GENERATOR (BLDG 610)
E012124	Emergency ICE	NATURAL GAS IC ENGINE, EMERGENCY GENERATOR (BLDG 640)
E012340	Emergency ICE	DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 580)
E012452	Emergency ICE	NATURAL GAS IC ENGINE, EMERGENCY GENERATOR (BLDG 573)
E014662	Emergency ICE	DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 588)
E014917	Emergency ICE	DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 558)
G010744	Gasoline Dispensing Facility, Retail	E85 DISPENSING FACILITY

S002872	Spray Booth	PAINT SPRAY BOOTH WITH CURING OVEN (BLDG 573, AREA 18 N, BAY 3)
S002873	Spray Booth	PAINT SPRAY BOOTH WITH CURING OVEN (BLDG 573, BAY 2)
S002876	Spray Booth	FINAL COAT BOOTH (BLDG 634, BAY 13)
S004558	Spray Booth	PAINT SPRAY BOOTH WITH CURING OVEN (BLDG 573, BAY 1)
S008392	Spray Booth	BASE COAT BOOTH (BLDG 634, BAY 1)
S008393	Spray Booth	BASE COAT BOOTH WITH CURING OVEN (BLDG 634, BAY 4)
S008394	Spray Booth	BASE COAT BOOTH WITH CURING OVEN (BLDG 634, BAY 8)
S008395	Spray Booth	PRIME COAT BOOTH WITH CURING OVEN (BLDG 634, BAY 10)
S008396	Spray Booth	PRIME COAT BOOTH WITH CURING OVEN (BLDG 634, BAY 3)
S009622	Spray Booth	PAINT SPRAY BOOTH (BLDG 634, BAY 6)
S009969	Spray Booth	PAINT SPRAY BOOTH WITH CURING OVEN (BLDG 634, BAY 12)
T003926	Tanks (or Silos)	INDUSTRIAL WASTEWATER TANKS
T005251	Tanks (or Silos)	INDUSTRIAL WASTEWATER TANKS, PORTABLE (BLDG 611)
T011924	Tanks (or Silos)	DIP TANK #1 (CLEAN LINE #1, BLDG 640)
T011925	Tanks (or Silos)	DIP TANK #2 (CLEAN LINE #1, BLDG 640)
T011926	Tanks (or Silos)	DIP TANK #3 (CLEAN LINE #1, BLDG 640)
T011927	Tanks (or Silos)	DIP TANK #4 (CLEAN LINE #2, BLDG 640)
T011928	Tanks (or Silos)	DIP TANK #5 (CLEAN LINE #2, BLDG 640)
T011929	Tanks (or Silos)	DIP TANK #7 (CLEAN LINE #2, BLDG 640)
T011930	Tanks (or Silos)	DIP TANK #8 (CLEAN LINE #2, BLDG 640)
T011931	Tanks (or Silos)	DIP TANK #10 (CLEAN LINE #2, BLDG 640)
T011932	Tanks (or Silos)	DIP TANK #9 (CLEAN LINE #2, BLDG 640)
T012040	Tanks (or Silos)	DIP TANK #5 (BLDG 573, SMALL ARMS AREA)
T012041	Tanks (or Silos)	DIP TANK #11 (BLDG 573, SMALL ARMS AREA)
T012042	Tanks (or Silos)	DIP TANK #4 (BLDG 573, SMALL ARMS AREA)
T012043	Tanks (or Silos)	DIP TANK #9 (BLDG 573, SMALL ARMS AREA)

T014749	Tanks (or Silos)	DIP TANK #6 (BLDG 573, SMALL ARMS AREA)
T014750	Tanks (or Silos)	DIP TANK #7 (BLDG 573, SMALL ARMS AREA)

PART II
FACILITY-WIDE APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, AND REPORTING (MRR) REQUIREMENTS: TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE ASSURANCE MONITORING (CAM) PLANS

A. REQUIREMENTS APPLICABLE TO THE ENTIRE FACILITY AND ALL EQUIPMENT

1. A person shall not build, erect, install, alter, replace, or operate or use any equipment, the use of which may cause the issuance of air contaminants or the use of which may reduce or control the issuance of air contaminants, without first obtaining a written permit from the Air Pollution Control Officer or except as provided in District Rule 202.

   [District Rules 201, 203]

2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.
   [District Rule 203 – *Permit to Operate*]

3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.
   [District Rule 204 - *Permit Conditions*]

4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
   [District Rule 204 - *Permit Conditions*]

5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the APCO/District.
   [District Rule 206 - *Posting of Permit to Operate*]

6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
   [District Rule 207 - *Altering or Falsifying of Permit*]

7. Permits are not transferrable.

[District Rule 209 – *Transfer and Voiding of Permit*]

8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[District Rule 217 – *Provisions 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. The owner/operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[District Rule 221 - *Federal Operating Permit Requirement*]

11. The owner/operator of this facility shall pay all applicable MDAQMD permit fees.
[District Rule 301 – *Permit Fees*]

12. The owner/operator of this facility shall pay all applicable MDAQMD Title V permit fees.
[District Rule 312 - *Fees for Federal Operating Permits*]

13. Owner/Operator shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

    (a) General Visible Emissions Limitation:
        (1) As dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
        (2) Of such opacity as to obscure an observer's view to a degree equal to or greater than 20% opacity.
    (b) Abrasive Blasting Visible Emissions Limitation:
        (1) For indoor operations using noncertified Abrasive Blasting materials, of such opacity as to obscure an observer's view to a degree equal to or greater than 20% opacity (or equivalent Ringelmann 1).
        (2) For outdoor operations using wet abrasive blasting, hydroblasting, vacuum blasting, or abrasives certified for permissible dry outdoor blasting materials, of such opacity as to obscure an observer's view to a degree equal to or greater than 40% opacity (or equivalent Ringelmann 2).

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

(c) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.

(d) While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:

(i). Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation, a visible emissions inspection is required every three (3) months or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3-month time frame.

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

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

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

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

14. Except during high wind events, 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.

15. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM_{10} Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved. [District Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area*]

16. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).

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

(b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.

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

[District Rule 404 - *Particulate Matter Concentration*]

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

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

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

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

18. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, the following compounds which would exist as liquid or gas at standard conditions:

ELEMENT OR COMPOUND	LIMITATIONS (PPM BY VOLUME)
Sulfur compounds	500 (calculated as sulfur dioxide (SO_2)
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 combined 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.

Compliance of aerospace vehicle rocket engine firings with the limits of this rule shall be determined by measurement of contaminant concentrations at ground level at the property line, or boundary, of the military base, reservation, or property on which the test site is located.
[District Rule 406 - *Specific Contaminants*]

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

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

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

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

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

    [District Rule 408 – *Circumvention*]

21. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO2) at standard conditions averaged over a minimum of 15 consecutive minutes.
    [District Rule 409 - *Combustion Contaminants*]

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

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

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

report of the breakdown; and

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

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

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

[District Rule 430 - *Breakdown Provisions*]

23 Owner/Operator is limited to use of the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 parts per million (ppm) calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be maintained at the facility and made available to District, state, or federal personnel upon request. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent.
[District Rule 431 – *Sulfur Content of Fuels*]

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

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

(i) Compliance with the VOC limit above may be obtained through use of any of the following or any combination thereof:

a. Product reformulation or substitution;
b. Process changes;
c. Improvement of operational efficiency;
d. Development of innovative technology;
e. Operation of emission collection and control system that reduces overall emissions by eighty-five percent (85%).

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

(c) The provisions of this condition shall not apply to:
- (i) The manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
- (ii) The emissions of VOCs from VOC-containing materials or equipment which are subject to the rules of Regulation IV or which are exempt from air pollution control requirements by said rules.
- (iii) The use of pesticides including insecticides, rodenticides or herbicides.
- (iv) The use of equipment or materials for which other requirements are specified in source specific rules of Regulation XI after the compliance dates specified in such source specific rules.
- (v) The use of 1-1-1 Trichloroethane, methylene chloride and trichlorotrifluoroethane.
- (vi) Aerosol products

(d) Owner/operator shall maintain daily usage and monthly emission records for all VOC-containing materials, and daily usage and 30-day rolling average emission records for non-VOC organic solvents subject to this condition. The records shall be retained for five years and be made available upon request. VOC records shall include but not be limited to:
- (i) The amount, type and VOC content of each solvent used; and
- (ii) The method of application and substrate type; and
- (iii) The permit units involved in the operation (if any).

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

[District Rule 442 – *Usage of Solvents*]

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

26. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning, and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:

(a) VOC Content

(i) 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 District Rule 1104.

(ii) As an alternative to, or in lieu of, the 25 grams of VOC per liter requirement indicated above, an Owner/Operator may use cleaning materials with a VOC composite vapor pressure limit of 8 millimeters of mercury (mmHg) or less at 20 degrees Celsius.

(b) Control Equipment

(i) Owners and/or Operators may comply with subsection (C)(1)(a) of District Rule 1104 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:

a. 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

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

(c) Cleaning Equipment and Method Requirements

(i) An Owner/Operator shall not perform Solvent cleaning unless one of the cleaning devices or methods contained in subsections a. through e. below is used, and the applicable requirements in subsections f. through k. below 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 as a Solvent container that can be, 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:

1. An apparatus or cover(s) which reduces solvent evaporation except for Remote Reservoirs.

2. A permanent, conspicuous label summarizing the applicable operating requirements contained in subsection (C)(4) of District Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of District Rule 1104.

g. Remote Reservoirs shall be equipped with the following:

1. A sink, platform or work area which is sloped sufficiently towards a drain to prevent pooling of Solvent within the work area.
2. 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.
3. 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.
4. 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:

1. Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
2. 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.
3. Any cold solvent degreasers using solvent which is agitated, or heated above 50^{o}C (120^{o}F) shall operate with a freeboard ratio equal to or greater than 0.75.
4. A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than 1.
5. 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.
6. A permanent, conspicuous mark locating the maximum allowable Solvent level conforming to the applicable freeboard requirements.

(i) Conveyorized Cold Solvent Degreasers shall be equipped with the following:

1. A rotating basket or other method, to prevent cleaned parts from carrying out Solvent liquid.
2. Minimized entrance and exit openings which silhouette the Workloads such that the average clearance between material and the edges of the cleaner openings are less than 10 centimeters (4 inches) or less than ten (10) percent of the opening width, whichever is greater.
3. A Freeboard Ratio equal to or greater than 0.75.
4. Alternately, a hood or enclosure to collect emissions which are vented to Control Equipment may be used to satisfy requirement

of subsection (C)(3)(i)(iii) of District Rule 1104, provided that the air pollution Control Equipment meets the provisions of subsection (C)(2) of District Rule 1104. The collection system shall have a ventilation rate of 15-20 cubic meters per minute per square meter of Solvent cleaner opening (at each Air-Vapor Interface), unless the rate must be changed to meet Federal and State Occupational Safety and Health Administration requirements, and is approved in writing by the Air Pollution Control Officer (APCO).

(j) Batch-loaded Vapor Degreasers shall be equipped with the following:

1. 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.
2. A Vapor Level Control Thermostat, a Condenser Flow Switch and a Spray Safety Switch.
3. A Freeboard Ratio greater than or equal to 0.75.
4. A Primary Condenser.
5. In addition, Degreasers with an Evaporative Surface Area greater than or equal to one (1) square meter, shall be equipped with a Refrigerated Freeboard Chiller for which the chilled air blanket temperature (degrees Fahrenheit) at the coldest point on the vertical axis in the center of the Air- Vapor Interface shall be no greater than 30 percent of the Initial Boiling Point (degrees Fahrenheit) of the Solvent used, or 40 degrees Fahrenheit, whichever is greater. (If the chiller operates below the freezing temperature of water, it shall be equipped with an automatic defrost).
6. Alternately, a hood or enclosure to collect emissions which are vented to Control Equipment may be used to satisfy the requirements of subsections (C)(3)(j)(i) and(iii) of District Rule 1104, provided that the air pollution Control Equipment meets the provisions of subsection (C)(2) of District Rule 1104. The collection system shall have a ventilation rate of 15-20 cubic meters per minute per square meter of Solvent cleaner opening (at each Air-Vapor Interface), unless the rate must be changed to meet Federal and/or State Occupational Safety and Health Administration requirements, and is approve in writing by the APCO.

(k) Conveyorized Vapor Degreasers shall be equipped with the following:

1. An enclosed drying tunnel or other method, such as a rotating basket, sufficient to prevent cleaned parts from carrying out Solvent liquid or vapor.
2. Minimized entrance and exit openings which silhouette the Workloads such that the average clearance between material and the edges of the Degreaser openings are less than ten (10) centimeters (four (4) inches) or less than ten (10) percent of the

opening, whichever is greater.

3. A Primary Condenser.
4. A Freeboard Ratio equal to or greater than 0.75.
5. A vapor control thermostat, a Condenser Flow Switch, and a Spray Safety Switch.
6. Additionally, a Refrigerated Freeboard Chiller for which the chilled air blanket temperature (degrees Fahrenheit) at the coldest point on the vertical axis in the center of the Air- Vapor Interface shall be no greater than 30 percent of the Initial Boiling Point (degrees Fahrenheit) of the Solvent used, or 40 degrees Fahrenheit, whichever is greater. (If the chiller operates below the freezing temperature of water, it shall be equipped with an automatic defrost).
7. Alternately, a hood or enclosure to collect emissions which are vented to Control Equipment may be used to satisfy requirements of subsections (C)(3)(k)(iv) and (vi) of District Rule 1104, provided that the air pollution Control Equipment meets the provisions of subsection (C)(2) of District Rule 1104. The collection system shall have a ventilation rate of 15-20 cubic meters/min per square meter of Degreaser opening (at each Air-Vapor Interface), unless the rate must be changed to meet Federal and State Occupational Safety and Health Administration requirements, and is approved in writing by the District APCO.

(d) Operating Requirements

(i) All Degreasers shall comply with the following requirements:

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

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

(c) All solvent, including waste solvent, waste solvent residues, and used applicators, 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.

(d) 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.

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

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

1. Rack workload arranged to promote complete drainage
2. 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.

3. Retain the workload inside of the vapor zone until condensation ceases.
4. Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
5. 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.)

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

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

(i) 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.

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

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

(l) Cleaning operations shall be located so as to minimize air circulation and drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.

(m) 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.

(ii) Batch-loaded and Conveyorized Degreasers shall, in addition to the requirements in subsection (C)(4)(a), meet the following operating requirements:

a. When starting the Degreaser, the cooling system shall be turned on before, or simultaneously with, the sump heater.
b. When shutting down the Degreaser, the sump heater shall be turned off before, or simultaneously with, the cooling system.
c. The Workload Area shall not occupy more than half of the Evaporative Surface Area of the Degreaser.
d. Except for Sealed Chambers, the spray must be kept at least ten (10) centimeters (four (4) inches) below the top of the vapor level and be pointed downward, to prevent turbulence at the air-Solvent vapor interface.

(iii) Remote Reservoir Degreasers shall, in addition to the applicable requirements in subsection (C)(4)(a) of District Rule 1104, meet the following operating requirements:

a. The Solvent pump shall not circulate Solvent into the sink unless a Workload is being actively processed.
b. The sink of a Remote Reservoir Degreaser or any container placed

therein may not be used to soak a Workload. Such use is prohibited and such use will cause the unit to be classified as a Cold Solvent Degreaser and be subject to provisions of subsection (C)(3)(h) of District Rule 1104.

c. Parts shall be visually dry and not dripping/leaking Solvent before being removed from the sink. Parts shall be tipped to release any trapped pools of Solvent before being removed from the sink.

d. The Workload must "drip-dry" while being contained completely within the sink.

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

(f) Solvent Usage Records:
Owner/Operator subject to District Rule 1104 or claiming any exemption under District Rule 1104, Section (E), shall comply with the following requirements:

(i) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:

a. Product name(s) used in the degreaser, and

b. The mix ratio of solvent compounds mixtures of solvents are used, and

c. VOC content of solvent or mixture of compounds as used, and

d. The total volume of the solvent(s) used for the facility, on a monthly basis, and

e. The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.

(ii) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of District Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.

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

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

[District Rule 1104 – *Organic Solvent Degreasing Operations*]

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

Table 1
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

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

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS		
Coating Category	**Current Limit**	**Effective 01/01/2022**
Primary Coatings	----	----
Flat Coatings	50	
Nonflat Coatings	100	50
Specialty Coatings	----	----
Aluminum Roof Coatings	400	100
Basement Specialty Coatings	400	
Bituminous Roof Coatings	50	
Bituminous Roof Primers	350	
Bond Breakers	350	
Building Envelope Coatings		50
Concrete Curing Compounds	350	
Concrete/Masonry Sealers	100	
Driveway Sealers	50	
Dry Fog Coatings	150	50
Faux Finishing Coatings	350	
Fire Resistive Coatings	350	150
Floor Coatings	100	50
Form-Release Compounds	250	100
Graphic Arts Coatings (Sign Paints)	500	
High Temperature Coatings	420	
Industrial Maintenance Coatings	250	
Low Solids Coatings [a]	120	
Magnesite Cement Coatings	450	
Mastic Texture Coatings	100	
Metallic Pigmented Coatings	500	
Multi-Color Coatings	250	

Pre-Treatment Wash Primers	420	
Primers, Sealers, and Undercoaters	100	
Reactive Penetrating Sealers	350	
Recycled Coatings	250	
Roof Coatings	50	
Rust Preventative Coatings	250	
Shellacs:	----	----
Clear	730	
Opaque	550	
Specialty Primers, Sealers, and Undercoaters	100	
Stains:	----	----
Exterior/Dual	250	100
Interior	250	100
Stone Consolidants	450	
Swimming Pool Coatings	340	
Tire and Stone Sealers	100	
Traffic Marking Coatings	100	
Tub and Tile Refinish Coatings	420	
Waterproofing Membranes	250	100
Wood Coatings	275	
Wood Preservatives	350	
Zinc-Rich Primers	340	
a: Limit is expressed as VOC Actual		

Table 2
VOC CONTENT LIMITS FOR COLORANTS

Limits are expressed as VOC Regulatory.

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

[District Rule 1113 – *Architectural Coatings*]

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

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

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

(a) Except as provided in Rule 1114 subsections (G)(4) or (G)(5), no Person shall apply any Coatings to a New Wood Product if such materials have a VOC Content exceeding the applicable limits specified in Table 1. The VOC Content of Coatings, except Low-Solids Stains, Toners, Washcoats and Solvents shall be determined in accordance with Rule 1114 subsection (G)(4)(a)(i) and (G)(2)(a). The VOC Content of Low-Solids Stains, Toners, Washcoats and Solvents shall be determined in accordance with Rule 1114 subsection (G)(4)(a)(ii) and (G)(2)(a). VOC limits expressed in grams VOC per liter of Coating shall be used.

Table 1

VOC Content of Coating and Adhesives for New Wood Products

Coating	g/L (lb/gal) Less Water and Less Exempt Compounds
General	275 (2.3)
Adhesives	250 (2.1)
Clear Sealers	275 (2.30
Clear Topcoat	275 (2.3)
Conversion Varnish	550 (4.6)
Fillers	275 (2.3)
High-Solids Stains	240 (2.0)
Inks	500 (4.2)
Low-Solids Stains, Toners and Washcoats	120 (1.0)
Medium Density Fiberboard (MDF) Coatings	275 (2.3)
Mold Seal	750 (6.3)
Multi-Colored Coatings	275 (2.3)
Pigmented Primers, Sealers, and Undercoats	275 (2.3)

Pigmented Topcoats	275 (2.3)

(2) Limits for VOC Content of Coatings & Adhesives for Refinishing, Repairing, Preserving or Restoring Wood Products

(a) Except as provided in subsections (G)(4) or (G)(5), no Person shall apply any Coatings to refinish, repair, preserve or restore a wood product if such materials have a VOC Content exceeding the applicable limits specified in Table 2. The VOC Content of Coatings, except Low-Solids Stains, Toners, Washcoats and Solvents shall be determined in accordance with subsection (G)(4)(a)(i) and (G)(2)(a). The VOC Content of Low-Solids Stains, Toners, Washcoats and solvents shall be determined in accordance with subsection (G)(4)(a)(ii) and (G)(2)(a). VOC limits expressed in grams VOC per liter of Coating shall be used.

Coating	g/L (lb/gal) Less Water and Less Exempt Compounds
General	420 (3.5)
Clear Topcoats	680 (5.7)
Conversion Varnish	550 (4.6)
Fillers	500 (4.2)
High-Solids Stains	700 (5.8)
Inks	500 (4.2)
Low-Solids Stains, Toners and Washcoats	480 (4.0)
Medium Density Fiberboard (MDF) Coatings	680 (5.7)
Mold Seal Coating	750 (6.3)
Multi-Colored Coatings	580 (5.7)
Pigmented Coatings	600 (5.0)
Sealers	680 (5.7)

Coating Category	VOC Limit	
	g/l	lb/gal

(3) Strippers, Surface Preparation, Clean-up Solvent and Equipment Cleaning

(a) The requirements of this section shall apply to any Person using Solvent for surface preparation and cleanup.

(i) A Person shall not use an organic compound for surface preparation or cleanup, except Strippers, with a VOC Content in excess of 25 Grams of VOC per Liter of Material (0.21 pounds per gallon.

(b) A Person shall not use a Stripper on wood products unless:

(i) The Stripper contains less than 200 Grams of VOC per Liter of Material; or

(ii) The VOC composite partial vapor pressure for the Stripper is 2 mm Hg (0.04 psia) or less at 68°F (20 °C), as calculated pursuant to Rule 1114 subsection (G)(5).

[District Rule 1114 – *Wood 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 Rule 1115, as listed below:

(1) VOC Content of Coatings

a. A Person shall not apply any Coating to Metal Parts and Products, including any VOC-containing materials added to the original Coating supplied by the manufacturer, which contains VOC in excess of the limits specified in subsection (C)(2)(a)(i) below:

COATING LIMITS
(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

Coating Category	Air Dried		Baked	
	g/L	lb/gal	g/L	lb/gal
General One-Component*	340	(2.8)	275	(2.3)
General Multi-Component*	340	(2.8)	275	(2.3)
Military Specification	340	(2.8)	275	(2.3)
Etching Filler	420	(3.5)	420	(3.5)

Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	360	(3.0)
Extreme-Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural One-Component	420	(3.5)	275	(2.3)
Prefabricated Architectural Multi-Component	420	(3.5)	275	(2.3)
Touch-up	420	(3.5)	275	(2.3)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High-Performance Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	360	(3.0)
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)
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	340	(2.8)	280	(2.3)

*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.

(2) Sell-Through and Use of Coatings

(a) The provisions above shall not apply to the General or Military Specification coating Category limits until (one year from rule amendment). Until (one year from rule amendment), the following limits shall apply:

Category	Air Dried		Baked	
	g/L	lb/gal	g/L	lb/gal
General One- or Multi-Component*	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)

(3) Add-On Control Alternative

(a) 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%, as determined pursuant to Rule 1115 subsections (G)(2)(g) and (G)(2)(h) may be used.

(4) Strippers, Surface Preparation and Cleanup Solvent

(a) A Person shall not use VOC-containing materials for Surface Preparation and cleanup unless:
  (i) The material contains 25 grams or less of VOC per liter of material (0.21 pounds per gallon); or
  (ii) The material has an initial boiling point of 190 ℃ (374℉) or greater; or
  (iii) The material has a total VOC vapor pressure of 8 mm Hg or less, at 20 ℃ (68℉).

(b) A Person shall not use a stripper on miscellaneous metal parts and products unless:
  (i) The material contains 200 grams or less of VOC per liter of material (1.7 pounds per gallon).

[Rule 1115 – *Metal Parts and Products Coating Operations*]

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

(1) VOC Contents of Coatings

(a) Effective on the dates specified, a Person shall not apply Coating to a Motor Vehicle, Mobile Equipment, or Associated Parts or Components, that has a VOC content in excess of the limits contained in Table 1 and Table 2 of this subsection.

Table 1 - Coating Categories and VOC Limits

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

Table 2 - Coating Categories and VOC Limits

		VOC Regulatory Limit, as applied, in grams per liter (pounds per gallon)	
*Group 1	**Coating Categories**	**Group 1* Vehicles prior to 7/1/2011**	**Group 2** Vehicles prior to 7/1/2011**
	Pretreatment Wash Primer	780 (6.5)	780 (6.5)
	Primer	250 (2.1)	250 (2.1)
	Primer Sealer	250 (2.1)	340 (2.8)
	Topcoat	340 (2.8)	420 (3.5)
	Metallic Topcoat	420 (3.5)	420 (3.5)
	Extreme Performance	420 (3.5)	420 (3.5)

Vehicles are public transit buses and mobile equipment including but not limited to: truck bodies, truck trailers, utility bodies, camper shells, mobile cranes, bulldozers, street cleaners, golf carts, and implements of husbandry, where color match is not required.

**Group 2 Vehicles are passenger cars; large/heavy duty truck cabs and chassis with a manufacturer's gross vehicle weight over 10,000 pounds; light ad medium duty trucks and vans having a manufacturer's gross vehicle weight rating of 10,000 pounds or less; and motorcycles; and Group 1 Vehicles where color match is required.

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

(2) Most Restrictive VOC Limit:

(a) If anywhere on the container of any Automotive Coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature, any representation is made that indicates that the Coating meets the definition of, or is recommended for use of, more than one of the Coating categories listed in subsection (C)(1)(a) and (b), then the lowest applicable VOC content limit in Table 1 and Table 2 shall apply.

(3) Alternative Compliance:

(a) Emission Control System: A Person may comply with the provisions of subsection (C)(1) by using an approved Emission Control System consisting of collection and control devices, that is approved, in writing, by the APCO for reducing emissions of VOC. The APCO shall approve such Emission Control Systems only if the VOC emissions resulting from the use of non-compliant Automotive Coatings will be reduced to a level equivalent to or lower than that which would have been achieved by the compliance with the terms of subsection (C)(1). The approved Emission Control System must achieve a control efficiency of at least 85 percent.

[District Rule 1116 - *Automotive Finishing Operations*]

31. Owner/Operator's use of Aerospace Vehicle Parts and Products Coating Operations at this facility shall comply with the applicable requirements of Rule 1118, including the VOC limits specified in Rule 1118, as listed below:

Any operation associated with manufacturing and assembling products for Aircraft and Space Vehicles. The affected industries include commercial, civil and military Aircraft, satellite, space shuttle and rocket manufacturers and their subcontractors; also, maskant applicators, Aircraft refinishers, Aircraft Fastener Manufacturers, Aircraft operators and Aircraft maintenance and service facilities:

A person shall not apply to Aerospace Components any Aerospace Materials, including any VOC-containing materials added to the original Aerospace Materials supplied by the manufacturer, which contain VOC in excess of the limits specified below:

SPECIALTY COATING VOC LIMITS	
Grams Per Liter of Coating Less Water and Less Exempt Compounds	
Aerospace Materials	**VOC Limit**
PRIMERS	--
General	350
Adhesive Bonding Primers	--
Commercial Aircraft	250
Military Aircraft	805
Commercial Exterior Aerodynamic Structure Primer	650
Compatible Substrate Primer	780
Cryogenic Flexible Primer	645
Elevated-Temperature Skydrol-Resistant Commercial Primer	740
Flexible Primer	640
Low-Solids Corrosion Resistant Primer	350

Primer Compatible with Rain Erosion-Resistant Coating	850
Sealant Bonding Primer	720
COATINGS	--
General	350
Ablative Coating	600
Adhesion Promoter Coating	850
Antichafe Coating	420
Bearing Coating	620
Chemical Agent-Resistant Coating (CARC)	500
Conformal Coating	750
Cryoprotective Coating	600
Electric- or Radiation-Effect Coating	800
Electrostatic Discharge and Electromagnetic Interference (EMI) Coating	800
Extreme Performance Coating	420
Fire-Resistant (Interior) Coating	--
Civilian	650
Military	800
Space	800
Flight-Test Coating	--
Used on Missiles or Single Use Target Aircraft	420
All Other	840
Fuel-Tank Coating	--
General	420
Rapid Cure	720

High-Temperature Coating	720
Impact-Resistant Coating	420
Intermediate Release Coating	750
Lacquer Coating	830
Metallized Epoxy Coating	700
Mold Release Coating	780
Optical Anti-Reflection Coating	700
Part Marking Coating	850
Pretreatment Coating	780
Rain Erosion-Resistant Coating	600
Rocket Motor Nozzle Coating	660
Scale Inhibitor Coating	880
Space-Vehicle Coatings, Other: Dos not include Electric Discharge and EMI Protection Coating or Fire Resistant (Interior) Coating	1000
Specialized Function Coating	890
Temporary Protection Coating	250
Thermal Control Coating	800
Topcoat	--
Clear Topcoat	420
Epoxy Polyamide Topcoat	660
Other Topcoat	340
Extreme Performance Interior Topcoat	420
Unicoat	420
Wet Fastener Installation Coating	675
Wing Coating	750
Wire Coatings	--

Anti-Wicking	420
Electronic Wire Coating	420
Pre-Bonding Etchant	420
Phosphate Ester Resistant Ink	925
SEALANTS	--
Rollable, Brushable, or Extrudable Sealant	280
Fastener Sealant	675
Other	600
MASKANTS	--
Bonding Maskant	1230
Critical Use and Line Sealant Maskants	750
Chemical Milling Maskant	--
For use with Type I Etchant	250
For use with Type II Etchant	160
For Chemical Processing *Less water, Exempt Compounds, and perchloroethylene (PERC)	250*
Photolithographic Maskant	850
Seal Coat Maskant	1230
LUBRICANTS	--
Fastener Installation Lubricant (applied at time of Aircraft/Component assembly)	--
Solid-Film Lubricant	880
Dry Lubricative Material	675
Fastener Lubricative Coating (applied at time of Fastener manufacture)	--

Solid-Film Lubricant	250
Dry Lubricative Coating	120
Barrier Coating	420
Non-Fastener Lubricative Coatings (applied at time of non-Fastener manufacture)	--
Solid-Film Lubricant	880
Dry Lubricative Materials	675
OTHER	
Caulking and Smoothing Compound	850
Corrosion Prevention Compound System	710
Insulation Covering	740
Screen Print Ink	840
Silicone Insulation Material	850

Solvent Use, Clean Up, and Stripping

A person shall not use VOC-containing materials for cleaning or clean-up, excluding Coating stripping and equipment cleaning, unless:

(i) The VOC composite partial pressure is 45 mm Hg or less at a temperature of

(ii) The material contains 200 grams or less of VOC per liter of material, as applied.

A person shall not use Stripper on Aerospace Components unless:

(i) The Stripper contains less than 300 grams per liter (2.5 lbs per gal) of VOC content; or

(ii) The VOC composite partial pressure is 9.5 mm Hg (0.18 psia) or less at

Cleaning solvents used in Hand-Wipe Cleaning Operations shall:

(i) Meet the definition of Aqueous Cleaning Solvent; or

(ii) Have a VOC composite pressure less than or equal to 45 mm Hg at

Control Equipment

Owners and/or operators may comply with the above provisions 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 device 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 device to less than 50 ppm calculated for carbon with no dilution.

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

[District Rule 1118 - *Aerospace Vehicle Parts and Products Coating Operations*]

32. If, in the future, the facility performs operations subject to the National Emissions Standard for Hazardous Air Pollutants (NESHAP) for Aerospace Manufacturing and Rework Facilities, those operations must comply with the requirements of that regulation. This Title V Permit and applicable District Permits would require modification to allow Aerospace Manufacturing and Rework Facilities within the Mojave Desert Air Quality Management District jurisdiction.
[40 CFR 63 Subpart GG]
[District Rule 204 - *Permit Conditions*]
[District Rule 1118 - *Aerospace Vehicle Parts and Products Coating Operations*]

33. Owner/operator must comply with the requirements of District Rule 1160 – Internal Combustion Engines, as applicable.

(a) District Rule 1160 applies to any stationary Internal Combustion Engine rated at 50 or more brake horsepower (bhp), when located within the Federal Ozone Nonattainment Area, that does not meet the following:

(i) Any Internal Combustion Engine rated at less than 50 brake horsepower.

(ii) Any Internal Combustion Engine operated less than 100 hours in any rolling twelve (12) month period.

(iii) Any Internal Combustion Engine subject to the Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines rated at 50 Horsepower and Greater, Title 17 CCR 93116, or otherwise classified as a Portable Internal Combustion Engine.

(iv) Any Internal Combustion Engine that is an Emergency Internal Combustion Engine provided that the Internal Combustion Engine does not operate more than 100 hours for non-emergency use in any rolling twelve (12) month period.

(v) Any Internal Combustion Engine operated on an engine test stand.

(vi) Any Internal Combustion Engine subject to District Rule 1160.1 – Internal Combustion Engines in Agricultural Operations.

(vii) Any Internal Combustion Engine located outside the Federal Ozone Nonattainment Area.

(viii) Any Internal Combustion Engine registered with a Statewide Portable Equipment Registration (PERP), provided that the Internal Combustion Engine is operating in compliance with the Regulation to Establish a Statewide Portable Equipment Registration Program, Title 13 CCR 2450, and for which the Internal

Combustion Engine does not require a local District Permit.

(b) Emission Limits

(i) Internal Combustion Engines subject to District Rule 1160 shall not exceed the following emission limits in Table 1, unless the Internal Combustion Engine is subject to (C)(1)(a)(ii) of District Rule 1160.

Table 1
NO_X EMISSION LIMITS FOR INTERNAL COMBUSTION ENGINES
(ppmv limitations shall be referenced at 15 percent volume stack gas oxygen measured on a dry basis and averaged over 15 consecutive minutes)

Engine Type	**NO_X Limit**
Spark-Ignited Internal Combustion Engine, Rich Burn	50 ppmv
Spark-Ignited Internal Combustion Engine, Lean Burn	125 ppmv
Compression-Ignition Internal Combustion Engine	80 ppmv

(ii) VOC Emissions

a. Internal Combustion Engines subject to District Rule 1160 shall not exceed the following emission limits in Table 2, unless the Internal Combustion Engine is subject to (C)(1)(b)(ii) of District Rule 1160.

Table 2
VOC EMISSION LIMITS FOR INTERNAL COMBUSTION ENGINES
(ppmv limitations shall be referenced at 15 percent volume stack gas oxygen measured on a dry basis and averaged over 15 consecutive minutes)

Engine Type	**NO_X Limit**
Spark-Ignited Internal Combustion Engine, Rich Burn	106 ppmv
Spark-Ignited Internal Combustion Engine, Lean Burn	106 ppmv
Compression-Ignition Internal Combustion Engine	106 ppmv

(iii) CO Emissions

a. Internal Combustion Engines subject to District Rule 1160 shall not exceed the following emission limits in Table 3.

Table 3
CO EMISSION LIMITS FOR INTERNAL COMBUSTION ENGINES
(ppmv limitations shall be referenced at 15 percent volume stack gas oxygen measured on a dry basis and averaged over 15 consecutive minutes)

Engine Type	**NO_X Limit**
Spark-Ignited Internal Combustion Engine, Rich Burn	4500 ppmv
Spark-Ignited Internal Combustion Engine, Lean Burn	4500 ppmv
Compression-Ignition Internal Combustion Engine	4500 ppmv

[District Rule 1160]

34. Owner/Operator shall comply with all requirements of Rule 1211 - Greenhouse Gas Provisions of Federal Operating Permits. Specifically, the Owner/Operator shall include Greenhouse Gas

(GHG) emission data and all applicable GHG requirements with any application, as specified in 1211(D)(1), for a Federal Operating Permit.
[District Rule 1211 - *Greenhouse Gas Provisions of Federal Operating Permits*]

35. Owner/Operator shall comply with all requirements of Rule 1168 – Adhesive and Sealant Applications. Specifically, the Owner/Operator shall not apply Adhesives, Adhesive Primers, Sealants, Sealant Primers, or any other Primer which have a VOC content in excess of the limits specified in Table 1:

Table 1

Application Processes	VOC Emission Limit Less Water and Less Exempt Compounds	
	Proposed Limits in g/L	Proposed Limits in lb/gal
General Adhesive *(General adhesive application processes are those not specifically identified in other categories listed below as specialty adhesives application processes).*		
Fiberglass	80	0.7
Flexible Vinyl	250	2.1
Metal	30	0.3
Plastic Foams	50	0.4
Porous Material (Except Wood)	50	0.4
Pre-formed Rubber Products	250	2.1
Reinforced Plastic Composit	200	1.7
Rubber	250	2.1
Wood	30	0.3
Other Substrates	250	2.1
Specialty Adhesive		
Building Envelope Membrane	250	2.1

Carpet Pad	50	0.4
Ceramic Tile Installation	65	0.5
Contact Adhesive	80	0.7
Contact Adhesive – Special Purpose	250	2.1
Cove Base Installation	50	0.4
Drywall and Panel	50	0.4
Edge Glue	250	2.1
Elastomeric	750	6.3
Floor Covering Installation (Indoor)	150	1.3
Floor Covering Installation (Outdoor)	250	2.1
Immersible Product Manufacturing	650	5.4
Indoor Carpet	50	0.4
Metal to Urethane/Rubber Molding or Casting	850	7.1
Motor Vehicle	250	2.1
Motor Vehicle Weatherstrip	750	6.3
Multipurpose Construction	70	0.6
Non-membrane Roof Installation/Repair	300	2.5
Other Flooring	50	0.4
Perimeter Bonded Sheet Vinyl	660	5.5
Plastic Solvent Welding:		
ABS	325	2.7
ABS to PVC Transition	510	4.3
Cellulose	100	0.8
CPVC	490	4.1
PVC	510	4.3
Styrene-Acrylonitrile	100	0.8
All Other Plastic Solvent Welding	250	2.1

Rubber Floor	60	0.5
Sheet Rubber Lining Installation	850	7.1
Single-Ply Roof Membrane Installation/Repair	250	2.1
Structural Glazing	100	0.8
Structural Wood Member	140	1.7
Subfloor	50	0.4
Thin Metal Laminating	780	6.5
Tire Retread	100	0.8
Top and Trim	540	4.5
Traffic Marking Tape	150	1.3
VCT and Asphalt Tile	50	0.4
Waterproof Resorcinol Glue	170	1.4
Wood Fooring	100	0.8
Adhesive Primer		
Motor Vehicle Glass Bonding	900	7.5
Plastic Solvent Welding	550	4.6
Single-Ply Roof Membrane	250	2.1
Traffic Marking Tape	150	1.3
Other Adhesive Primer	250	2.1
Sealant Primers		
Architectural – Non-Porous	250	2.1
Architectural – Porous	775	6.5
Modified Bituminous	500	4.2
Other Sealant Primer	750	6.3

Sealants		
Architectural	250	2.1
Non-membrane Roof	300	2.5
Non-staining Plumbing Putty	150	1.3
Potable Water	100	0.8
Roadway	250	2.1
Single-Ply Roof Membrane	450	3.8
All Other Architectural Sealants	50	0.4
All Other Roof Sealants	300	2.5
All Other Sealant	420	3.5

The VOC limits of Table 1 shall not apply to use of an Adhesive or Sealant, on a military installation, for which there is a Military Specification which has been approved by the Air Pollution Control Officer (APCO) in writing pursuant to this subsection.

Any person seeking to use an Adhesive or Sealant, for which there is a Military Specification, which is subject to the provisions of District Rule 1168, shall:

(i) Submit a petition to the APCO stating the performance requirements, volume of Adhesive or Sealant, and VOC content which is attainable. Such petition shall include a technical justification of the attainable VOC content and an explanation why the Adhesive or Sealant cannot meet the limits set forth in Table 1.

(ii) If the APCO grants written approval, such petition shall be resubmitted for approval on an annual basis.

(iii) If the APCO grants written approval, such approval shall contain volume and VOC limit conditions.

(iv) Records shall be maintained pursuant to District Rule 1168(D).

[District Rule 1168 - *Adhesive and Sealant Applications*]

B. FACILITY-WIDE MONITORING, RECORDKEEPING, & 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. The 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 ASTM method D2622-10 or ASTM method D2880-03 (or equivalent). Vendor data meeting this requirement are sufficient.
   [40 CFR 70.6(a)(3)(B) – Periodic Monitoring Requirements]
   [District Rule 107(b), 204; California Clean Air Act, Health and Safety Code §§39607 and §§44300, 44341-44342 et seq., 40 CFR 51 – Subpart A, 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)

4. Owner/Operator shall submit Compliance Certifications as prescribed by Rule 1203(F)(1) and 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 1208; Rule 1203(D)(1)(vii-x); Rule 1203(F)(1); 40 CFR 70.6(c)(5)(i), 72.90.a]

(a) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[District Rule 1203(D)(1)(g)(viii); Rule 1203(F)(1); 40 CFR 70.6(c)(5)(ii)]

(c) Owner/Operator when submitting any Compliance Certification(s) to the District shall contemporaneously submit such Compliance Certification(s) to USEPA, Region IX Administrator.
[District Rule 1203(D)(g)(ix); 40 CFR 70.6(5)(iii)]

(c) 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)]

(d) The Owner/Operator shall submit a Compliance Certification Report to the APCO every year pursuant to District Rule 1203. This report shall cover the period from January 1st of the previous year through December 31st of the previous year, and shall be received by the District no later than January 30 of the current year. 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) and (F)(1); 40 CFR 72.90.a]

5. The Owner/Operator shall submit, on a semi-annual basis, a Monitoring Report to the APCO/District, with a copy to the EPA Region IX Administrator . Each *Monitoring Report* shall cover the periods from January 1 to June 30 and from July 1 to December 31, and be postmarked no later than 30 days after the end of the reporting period (July 30 and January 30, respectively). These Monitoring Reports shall be certified to be true, accurate, and complete by "The Responsible Official" and shall include, as a minimum, 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.

An alternate Monitoring Report format may be used upon prior approval by MDAQMD. [District Rules 1203(D)(1)(c)(i - iii), 1203(D)(1)(d)(i), 1203(D)(1)(e)(i - ii), 1203(D)(1)(g)(v - x)]

6. Owner/Operator shall promptly report all deviations from Federal Operating Permit requirements including, but not limited to, any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation.
[District Rule 1203(D)(1)(e)(ii) and Rule 430(C)]

Prompt reporting shall be determined as follows:

(a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, a facility may elect to provide immediate notification under District Rule 430, if the District Rule 430 provisions apply. However, in case deviations involving emissions of air contaminants in excess of permit conditions, if the facility does not qualify for District Rule 430 immediate notification or does not elect to perform immediate notification under District Rule 430, then prompt reporting shall be within 72 hours of the occurrence of the excess emission or within 72 hours 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. [40 CFR 70.6(g)]

(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 Owner/Operator shall obtain a Schedule of Compliance approved by the District Hearing Board pursuant to the requirements of MDAQMD Rule 501. In addition, Owner/Operator shall submit a Progress Report on the implementation of the Schedule of Compliance. The Schedule of Compliance shall contain the information outlined in (b), below. The Progress Report shall contain the information outlined

in (c), below. The Schedule of Compliance shall become a part of this Federal Operating Permit by administrative incorporation. The Progress Report and Schedule of Compliance shall comply with 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); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

8. The permit holder shall submit an application for renewal of this Title V Permit at least six (6) months, but no earlier than eighteen (18) months, prior to the expiration date of this Federal operating permit (FOP). If an application for renewal has not been submitted and deemed complete in accordance with this deadline, the facility may not operate under the (previously valid) FOP after FOP expiration date. If the permit renewal has not been issued by FOP expiration date, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application.
[District Rules 1202(B)(3)(b)(i), 1202(E)(2)(a)]

9. USMC Logistics Base, Barstow, CA - Yermo Annex's Hazardous Air Pollutant Limits

(a). *General Limit for Entire Facility*: The total emissions of Hazardous Air Pollutants (HAPs) for the Marine Corps Logistics Base Barstow –Yermo Annex shall not exceed 9.5 tons per year for any single HAP and 24.5 tons per year for any combination of HAPs calculated monthly on a rolling twelve month annual basis. HAPs are defined in

40 CFR 61.01 "Lists of pollutants" and are the chemical compounds listed in section 112(b) of the Clean Air Act (Act).

(b). *Monitoring, Periodic Monitoring & Recordkeeping Conditions*: To prove compliance with condition (a) above, Owner/Operator shall maintain daily usage records of all HAP-containing coating and solvent materials. Such records shall be compiled into a monthly usage report, which shall be added to the 11 immediately previous monthly usage reports to provide annualized consecutive twelve month period usage data. HAP emissions from coatings and solvent operations shall be calculated on a monthly basis and added to the annualized HAP emissions from fuel burning and other HAP emitting equipment.

Annualized HAP emissions from fuel burning and other HAP emitting equipment for purposes of this condition shall be determined by use of HAP emissions factors as set forth by District approved emission factors or by annualized actual HAP emissions as determined by source tests of the equipment, or by methods and emission factors established in an approved Comprehensive Emission Inventory Plan (CEIP).

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]
[District Rule 204 - *Permit Conditions*]

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 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); Rule 1203(D)(1)(g)(v)]

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

8. Owner/Operator shall notify APCO/District at least 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 comply with the applicable provisions of 40 CFR 61 Subpart M *National Emission Standards for Asbestos*.
[40 CFR 61 Subparts A and M]

10. Owner/Operator shall comply with all requirements of District Rule 1211 – Greenhouse Gas Provisions of Federal Operating Permits. Specifically, the Owner/Operator shall include Greenhouse Gas (GHG) emission data and all applicable GHG requirements with any application, as specified in 1211(D)(1), for a Federal Operating Permit.

    [District Rule 1211]

11. The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request.
    [District Rule 204 - *Permit Conditions*]

D. COMPLIANCE ASSURANCE MONITORING (CAM) PLANS

1. USMC Logistics Base, Barstow, CA - Yermo Annex has no permitted units with an un-controlled Potential to Emit in excess of current Federal Major Source thresholds, therefore no CAM Plans are currently required.

2. In the event of any changes to (lowering of) any Federal Major Source threshold which place any emission unit at the facility above any such revised threshold, the owner/operator shall have ninety (90) days from the effective date of change to submit a CAM Plan to the District.

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

UNLESS OTHERWISE STATED, ALL FOLLOWING CONDITIONS RESULT FROM DISTRICT RULE 204

A. ABRASIVE BLAST BOOTH (BLDG 570 NORTH HARDSTAND, NORTH UNIT) – MDAQMD PERMIT A000951 – consisting of:
This abrasive blasting system measuring 24' W x 27' H x 32' L, providing a 20,736 cubic foot blast section, and is equipped with an abrasive reclaim system. This system is vented to the APCD described in District Permit C003245.

Capacity	Equipment Description
0.33 HP	Air Wash Abrasive Separator Motor
2 HP	Elevator Assembly
27 HP	Abrasive Reclaim System, Floor Type (with nine three hp motors)
150 HP	Air Compressor, Abrasive Blast Supply

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This abrasive blasting booth shall not be operated unless vented to the operating and properly functioning air pollution control device identified in District Permit C003245.
[District Rule 1302(B)(1)(a)]

3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.
[District Rules 1302(B)(1)(a) and 401; 17 CCR 92200(b)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
   a. Number of hours used;
   b. Manufacturer's name and product name/code number of each abrasive material used; and
   c. Quantity of each abrasive material used, in pounds.

   [District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

6. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device, although such testing may be required in the future.
   [District Rule 1302(B)(1)(a)]

B. ABRASIVE BLAST BOOTH (BLDG 570 NORTH HARDSTAND, SOUTH UNIT) – MDAQMD PERMIT A000952 – consisting of:
This abrasive blasting system measuring 24' W x 27' H x 32' L, providing a 20,736 cubic foot blast section, and is equipped with an abrasive reclaim system. This system is vented to the APCD described in District Permit C003247

Capacity	Equipment Description
0.33 HP	Air Wash Abrasive Separator Motor
2 HP	Elevator Assembly
27 HP	Abrasive Reclaim System, Floor Type (with nine three hp motors)
150 HP	Air Compressor, Abrasive Blast Supply

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 1302(B)(1)(a)]

2. This abrasive blasting booth shall not be operated unless vented to the operating and properly functioning air pollution control device identified in District Permit C003247.
   [District Rule 1302(B)(1)(a)]

3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.
   [District Rule 1302(B)(1)(a)]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.
[District Rules 1302(B)(1)(a) and 401; 17 CCR 92200(b)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
   a. Number of hours used;
   b. Manufacturer's name and product name/code number of each abrasive material used; and
   c. Quantity of each abrasive material used, in pounds.
[District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

6. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device, although such testing may be required in the future.
[District Rule 1302(B)(1)(a)]

C. ABRASIVE BLASTING SYSTEM (BLDG 569) – MDAQMD PERMIT A003959 – consisting of:

Blasting area dimensions are 30' Wide X 19' High X 60' Long and is equipped with an abrasive reclaim system. Maximum daily PM emissions are not to exceed 137 lbs and maximum daily PM10 emissions are not to exceed 80 lbs. This system is vented to the APCD described in District Permit C003961.

Equipment Description
Plastic Media Blast Booth, 30'w x 60'l x 19'h
2 hoses with 1/2" nozzles
Reclaimer Systems (grating floor utilizing 6 screws)
Elevator Assembly, 2 hp motor
Air wash abrasive separator, powered by elevator motor
Abrasive storage hopper (100 cubic feet)

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This abrasive blasting booth shall not be operated unless vented to the operating and properly functioning air pollution control device identified in District Permit C003961.
[District Rule 1302(B)(1)(a)]

3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.
[District Rules 1302(B)(1)(a) and 401; 17 CCR 92200(b)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
   a. Number of hours used;
   b. Manufacturer's name and product name/code number of each abrasive material used; and
   c. Quantity of each abrasive material used, in pounds.
[District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

6. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device, although such testing may be required in the future.
[District Rule 1302(B)(1)(a)]

7. The weight of PM10 emitted to the atmosphere from this unit, via the associated air pollution control device, shall not exceed 80 pounds per day.
[District Rule 1302(B)(1)(a)]

D. ABRASIVE BLAST BOOTH (BUILDING 629) – MDAQMD PERMIT A004412 – consisting of:
Manufactured by Sunspan Systems Inc. Booth dimensions are 9' Wide X 6' High X 12' Long; includes: automated blast table 6' long, 25 hp centrifugal blast wheel, steel shot blasting media, with a maximum blasting rate of 125 lbs/hr. Device also has an abrasive reclaim system with two integral 1.5 hp screw conveyors and an elevator. This system is vented to the APCD described in District Permit C010219.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This abrasive blasting booth shall not be operated unless vented to the operating and properly functioning air pollution control device identified in District Permit C010219. [District Rule 1302(B)(1)(a)]

3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.
[District Rules 1302(B)(1)(a) and 401; 17 CCR 92200(b)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
[District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

6. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device, although such testing may be required in the future.
[District Rule 1302(B)(1)(a)]

7. This unit shall not operate for more than 3,000 hours in any consecutive twelve month period. Furthermore, its operation shall be restricted to no more than 10 hours per day, nor more than 6 days per week.
[District Rule 1302(B)(1)(a)]

8. This unit shall only use steel or iron shot/grit exclusively. "Steel or iron shot/grit" means abrasives which meet either the Society of Automotive Engineers (SAE) recommended practices J827 and J444 or Steel Founders' Society of America Standards 21-68 or 20T-66, as those practices existed on 2-24-84.
[District Rule 1302(B)(1)(a)]

E. ABRASIVE BLASTER, ROTARY (BLDG 573 SMALL ARMS) – MDAQMD PERMIT A005015 – consisting of:
Goff table blaster, Model 72PTW/1016DC, with an abrasive reclaim system (screw auger and elevator) and integral dust collector (3 HP, 1000 CFM blower; 10 filter cartridges, each 8 inches diameter x 16 inches long, with a total filter area 540 sq. ft.)

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This abrasive blasting booth shall not be operated unless vented to the functioning air pollution control device listed in the above Description.
[District Rule 1302(B)(1)(a)]

3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.
[District Rules 1302(B)(1)(a) and 401; 17 CCR 92200(b)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
   a. Number of hours used;
   b. Manufacturer's name and product name/code number of each abrasive material used; and
   c. Quantity of each abrasive material used, in pounds.
[District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

6. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device, although such testing may be required in the future.
[District Rule 1302(B)(1)(a)]

F. ABRASIVE BLAST BOOTH (BLDG 566) – MDAQMD PERMIT A005113 – consisting of:
An Abrasive Blast Booth approximately 28' h x 30'w x 56' l. This unit is equipped with a screener classifier reclaim system for re-use of used blast materials. This system vents through an air pollution control device operating under valid District Permit C010410.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This abrasive blasting booth shall not be operated unless vented to the operating and properly functioning air pollution control device identified in District Permit C010410.
[District Rule 1302(B)(1)(a)]

3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.
[District Rules 1302(B)(1)(a) and 401; 17 CCR 92200(b)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
[District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

6. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device, although such testing may be required in the future.
[District Rule 1302(B)(1)(a)]

G. ABRASIVE BLAST BOOTH (BLDG 629) – MDAQMD PERMIT A008793 – consisting of:
Blast room enclosure; 22.5 feet wide, 12 feet high, and 22.5 feet long, including a reclaimer system (grating floor type with three screws), Elevator assembly, Air Wash abrasive separator, and Abrasive storage hopper (50 cu ft). Booth Ventilation and Abrasive Reclaimer vent to a Fabric Dust Collector air pollution control device, District permit number C008808.

Capacity	Equipment Description
0.3 HP	Air wash abrasive separator (powered by the elevator's motor)
2 HP	Elevator Assembly
12 HP	Floor reclaim system (4), 3-HP motors
100 HP	Abrasive Blast supply compressed air

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This abrasive blasting booth shall not be operated unless vented to the operating and properly functioning air pollution control device identified in District Permit C008808.
[District Rule 1302(B)(1)(a)]

3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.
[District Rules 1302(B)(1)(a) and 401; 17 CCR 92200(b)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
   a. Number of hours used;
   b. Manufacturer's name and product name/code number of each abrasive material used; and
   c. Quantity of each abrasive material used, in pounds.
[District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

6. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device, although such testing may be required in the future.
[District Rule 1302(B)(1)(a)]

H. ABRASIVE BLASTING SYSTEM, SUPER BLAST BOOTH ONE (BLDG 565) – MDAQMD PERMIT A009130 – consisting of:
This abrasive blasting system is equipped with a floor grating reclaimer system, elevator assembly, air wash abrasive separator and 50 cubic foot abrasive storage hopper, and measures 30 feet W by 25 feet H by 48 feet L with 15 under floor screws. This system is vented to the APCD described in District Permit C009132.

Capacity	Equipment Description
40 HP	Eight Underfloor Screw Motors (5 hp each)
2 HP	Abrasive Bucket Elevator (2 hp)
150 HP	Air Compressor (150 hp)

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 1302(B)(1)(a)]

2. This abrasive blasting booth shall not be operated unless vented to the functioning air pollution control device listed in the above Description.
   [District Rule 1302(B)(1)(a)]

3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.
   [District Rule 1302(B)(1)(a)]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.
   [District Rules 1302(B)(1)(a) and 401; 17 CCR 92200(b)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
   a. Number of hours used;
   b. Manufacturer's name and product name/code number of each abrasive material used; and
   c. Quantity of each abrasive material used, in pounds.
   [District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

6. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device, although such testing may be required in the future.
   [District Rule 1302(B)(1)(a)]

I. ABRASIVE BLASTING SYSTEM, SUPER BLAST BOOTH TWO (BLDG 565) – MDAQMD PERMIT A009131 – consisting of:
This abrasive blasting system is equipped with a floor grating reclaimer system, elevator assembly, air wash abrasive separator and 50 cubic foot abrasive storage hopper, and measures 30 feet W by 25 feet H by 48 feet L with 15 under floor screws. This system is vented to the APCD described in District Permit C009133.

Capacity	Equipment Description
40 HP	Eight Underfloor Screw Motors (5 hp each)

2 HP	Abrasive Bucket Elevator (2 hp)
150 HP	Air Compressor (150 hp)

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 1302(B)(1)(a)]

2. This abrasive blasting booth shall not be operated unless vented to the operating and properly functioning air pollution control device identified in District Permit C009133.
   [District Rule 1302(B)(1)(a)]

3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.
   [District Rule 1302(B)(1)(a)]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.
   [District Rules 1302(B)(1)(a) and 401; 17 CCR 92200(b)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
   a. Number of hours used;
   b. Manufacturer's name and product name/code number of each abrasive material used; and
   c. Quantity of each abrasive material used, in pounds.

   [District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

6. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device, although such testing may be required in the future.
   [District Rule 1302(B)(1)(a)]

J. ABRASIVE BLAST BOOTH – MDAQMD PERMIT A010885 – consisting of: Cabinet Manufactured by Media Blast & Abrasives, Inc., Model No. Hailstorm 12036; Cabinet dimensions: 10 feet long, 3 feet wide, 3 feet high; Blasting rate: 620 lbs/hour. Emissions vent through an integral dust collector described as follows: Manufactured by Media Blast & Abrasives, Inc., Model No. 880 LP-RP; System flow rate -1500 cfm;

Number of filters - 4 total Total filter surface area - 880 square feet Filter media - Heavy corrugated, 83 lbs per 3,000 square feet; Dust control efficiency - 99.98% down to 0.5 micron; Blower motor size - 5 hp; Blower speed - 3,450 rpm Impeller diameter -13.5 inches; Corrugation depth -15.0 mils

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This abrasive blasting booth shall not be operated unless vented to the operating and properly functioning air pollution control device listed in the above Description.
[District Rule 1302(B)(1)(a)]

3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.
[District Rules 1302(B)(1)(a) and 401; 17 CCR 92200(b)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
   a. Number of hours used;
   b. Manufacturer's name and product name/code number of each abrasive material used; and
   c. Quantity of each abrasive material used, in pounds.
[District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

6. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device, although such testing may be required in the future.
[District Rule 1302(B)(1)(a)]

7. To ensure the weight of PM10 emitted to the atmosphere from this unit, via the associated air pollution control device, does not exceed 2.65 pounds per year, this unit shall not operate for more than 2,137 hours in any consecutive twelve month period.

[District Rule 1302(B)(1)(a)]

8. This unit shall only use acrylic abrasive media exclusively.
[District Rule 1302(B)(1)(a)]

K. ABRASIVE BLASTER, ROTARY TABLE (BLDG 629) – MDAQMD PERMIT A012560 – consisting of:
A model 84DDST Double Door Swinging Table Abrasive Blast system manufactured in 2015 by Viking Blast and Wash Systems, Inc. Unit has an 84 inch table spinning at 5 rpm with two 25 hp direct drive blast wheels delivering the abrasive blast media. The screw auger and elevator reclaim system with integral 5,800 acfm dust collector has a total filter media area of 2,040 square feet and is rated at 99.999% efficient for 0.8 micron diameter and larger particles.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This abrasive blasting booth shall not be operated unless vented to the operating and properly functioning air pollution control device listed in the above Description.
[District Rule 1302(B)(1)(a)]

3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.
[District Rules 1302(B)(1)(a) and 401; 17 CCR 92200(b)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each date of use:
   a. Number of hours used;
   b. Manufacturer's name and product name/code number of each abrasive material used; and
   c. Quantity of each abrasive material used, in pounds.
[District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

6. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device, although such testing may be required in the future.
[District Rule 1302(B)(1)(a)]

L. VEHICLE UNDERCOATING COMPLEX (BLDG 634) – MDAQMD PERMIT B004194 – consisting of:
One 20' high by 18' wide by 55' long undercoat booth with pit (Undercoat Booth #2), TECD201860PDT, with 90 20" x 20" intake filters, single stage exhaust filtration (90 20" x 20" filters), with 39,000 cfm of air flow.

PERMIT CONDITIONS:

1. Owner/Operator shall ensure this equipment complies with applicable Title V Part II and Part III conditions. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
(For Periodic Monitoring Requirements, see Part II and Part III conditions)
[District Rule 1302]

2. 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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[District Rule 1302]

3. Only High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods shall be used in this equipment unless prior written approval is obtained from the District.
[District Rules 1115, 1116, 1118, 1302]

4. This equipment shall only be used to apply coatings to military vehicles, military vehicle components, and military equipment.
[District Rule 1302]

5. Operation of this equipment shall comply with Rules 442, 1115, 1116, and 1118 as appropriate. These rules pertain to Usage of Solvents, Metal Parts and Products Coatings Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework, and Component Manufacturing Operations.
[District Rules 442, 1115, 1116, and 1118]

6. Discharge filters shall be installed/maintained in a tightly mounted and dimensionally stable condition, free of excessive deposits or interference with air flow passages. The pressure drop across the discharge filters shall be within the manufacturer's/designer's recommended range of 0.25 to 2.5" WC. If a change in any filter type requires a

modification to this range, the District shall be notified in writing prior to the change. Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment (HRA). Based on the results of the HRA, control of the emissions may be required.
[District Rules 1302, 1320, and 1520]

7. The owner/operator (o/o) shall maintain current and on-site (or at a central location) for a minimum of five (5) years a daily operational log (for each day the equipment is in operation). This daily log shall be provided to the District, State or Federal personnel upon request and shall include, at a minimum, the following information for each day of operation:
   a. Equipment used to apply each coating and the type of substrate being coated;
   b. Type and amount (in pounds or gallons) of coating and solvent used (preparation, thinning and cleanup or other) and its VOC limit under each applicable rule.
   c. VOC content of each type of coating and solvent in pounds per gallon or grams per liter;
   d. Total VOC emissions for each day and month of operation;
   e. Total VOC emissions for each rolling consecutive twelve month period and rolling 30-day average emissions of non-VOC organic solvents; and,
   f. Differential pressure readings across the exhaust filters.

   [District Rule 1302]

8. The owner/operator shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium, as discussed in 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coaatings). Compliance with this condition shall be verified by the retention of MSDS/SDS (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and these shall be provided to District, State, or Federal personnel upon request.
   [District Rule 1116, 17 CCR 93112 Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings]

9. This facility shall not spray apply coatings containing compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd) to metal and plastic surfaces; nor, conduct any paint stripping operations on any substrate using paint stripping formulations containing methylene chloride (MeCl). Contact the MDAQMD if this facility will use any of these toxic metals and/or MeCl for additional permit requirements.
   [40 CFR 63, Subpart HHHHHH]

10. The total weight of VOC emissions from this undercoating rack and the undercoating rack covered by District Permit B004753 shall not exceed 250 pounds/day.
    [District Rule 1302]

M. WASTEWATER TREATMENT FACILITY – MDAQMD PERMIT B004680 – consisting of:

BUILDING 610; Sludge treatment system.

Capacity	Equipment Description
6 HP	Pumps, sludge; 2 @ 3 hp each
	Sludge lagoon
6 HP	Pumps; Return Activated Sludge (RAS), 3 @ 2 hp each
9 HP	Pump; Scum/Chopper, 9 hp.
	Tank; Aerobic Digester/Sludge Stabilization, tbd
	Pond; Oxidation, 10.3 acre

PERMIT CONDITIONS:

1. This equipment shall be installed, operated, and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall be operated in compliance with data and specifications submitted with the application under which this permit is issued below. This equipment shall be operated in compliance with applicable federal, state, regional and local waste water discharge permits.
   [District Rule 1302]

2. The owner/operator shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. This log shall contain, as a minimum, the information specified below for each day of use:
   a. Amount of wastewater received and treated; and
   b. Descriptions of all malfunctions and corrective actions taken.
   [District Rule 1302; 40 CFR 70.6(a)(3)(ii)(b)]

N. WASTEWATER TREATMENT FACILITY – MDAQMD PERMIT B004681 – consisting of:

BUILDING 610; Primary treatment system.

Capacity	Equipment Description
20 HP	Pumps, Influent; 2 @ 10 hp each
	Comminator
	Bar Rack
10 HP	Blowers; 2 @ 5 hp each
	Tank, Aeration Grit Removal; 8,647 gallons
	Aeration Grit Removal; 8,647 gallons 0 Aeration Basins Splitter Box
	Aeration Basins/Tanks; 2 @ 250 cu. meters each
40 HP	Aerators; 4 @ 10/5 hp each (high/low), one at each end of the aerator basin.
	Secondary Clarifiers Splitter Box
	Secondary Clarifiers; 2 @ 6 meters diameter each, 3.7 meter sidewater depth.

0.5 HP	Scum Skimmer
1 HP	Conveyor, Screw
9 HP	Pumps, Secondary Effluent; 3 @ 3 hp each; 175 cu meters/day @ 345 Kpag
15 HP	Pump, Filter Backwash; 2 @ 7.5 hp ea.
7.5 HP	Pump, Ozone Recirculation; 7.5 hp
	Ozone Generator, 9 kg ozone/day max
	Percolation Basin
	Tank, Ozone Contact; tbd

PERMIT CONDITIONS:

1. This equipment shall only be installed, operated, and maintained in strict accord with those manufacturer's/supplier's recommendations and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application for this permit. This equipment shall be operated in compliance with applicable federal, state, regional and local waste water discharge permits.
   [District Rule 1302]

2. The owner/operator shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. This log shall contain, as a minimum, the information specified below for each day of use:
   a. Amount of wastewater received and treated; and
   b. Descriptions of all malfunctions and corrective actions taken.
   [District Rule 1302]

O. VEHICLE UNDERCOATING RACK (BUILDING 203) – MDAQMD PERMIT B004753 – consisting of:
A 90 foot x 20 foot, 6-bay rack with undercoating systems on five of the six bays equipped with Mohawk Lifts and airless spray guns.

PERMIT CONDITIONS:

1. Owner/Operator shall ensure this equipment complies with applicable Title V Part II and Part III conditions.
   [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
   (For Periodic Monitoring Requirements, see Part II and Part III conditions)
   [District Rule 1302]

2. 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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and

specifications submitted with the application under which this permit is issued unless otherwise noted below.
[District Rule 1302]

3. Only High-Volume Low-Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods shall be used in this equipment unless prior written approval is obtained from the District.
[District Rules 1115, 1116, 1118, 1302]

4. This equipment shall only be used to apply coatings to military vehicles, military vehicle components, and military equipment.
[District Rule 1302]

5. Operation of this equipment shall comply with District Rules 442, 1115, 1116, and 1118 as appropriate. These rules pertain to Usage of Solvents, Metal Parts & Products Coating Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework and Component Manufacturing Operations, respectively.
[District Rules 442, 1115, 1116, and 1118]

6. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.25 and 2.5 inches of water column as currently recommended by the manufacturer. If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change. Note: Currently isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment (HRA). Based on the results of the HRA, control of the emissions may be required.
[District Rules 1302, 1320, and 1520]

7. The o/o shall maintain an daily log for this equipment, current and on-site (or at a central location) for a minimum of five years (5) and this log shall be provided to District, State or Federal personnel on request. The log shall include, at a minimum, the information specified below for each day of operation:
   a. Equipment used to apply each coating and the type of substrate being coated;
   b. Type and amount (in pounds or gallons) of coating and solvent used (preparation, thinning, and cleanup or other) and its VOC limit under each applicable rule;
   c. VOC content of each type of coating and solvent in pounds per gallon or grams per liter;
   d. Total VOC emission for each day and month of operation; and
   e. Total VOC emissions for each rolling consecutive twelve month period and rolling 30-day average emissions of non-VOC organic solvents.

[District Rule 1302(B)(1)(a), 1115, 1116, and 1118; 40 CFR 70.6(A)(3)(ii)(b)]

8. The owner/operator shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium (as discussed in 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings) Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and these shall be provided to District, State, or Federal personnel upon request.
[District Rule 1116; 17 CCR 93112 Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings]

9. This facility shall not spray apply coatings containing compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd) to metal and plastic surfaces; nor, conduct any paint stripping operations on any substrate using paint stripping formulations containing methylene chloride (MeCl). Contact the MDAQMD if this facility will use any of these toxic metals and/or MeCl for additional permit requirements.
[40 CFR 63, Subpart HHHHHH]

10. The total VOC emissions for this undercoating rack and the undercoating rack covered by District Permit B004194 shall not exceed 250 pounds/day.
[District Rule 1302]

P. WASTEWATER TREATMENT PLANT (BLDG 609) – MDAQMD PERMIT B008746 – consisting of:
Also known as the IWTP, a wastewater treatment system that treats MCLB Barstow Yermo Annex industrial wastewater as collected in the Wet Well. This system includes the following equipment:

Capacity	Equipment Description
	T-12, Tank, Oily Water, for disposal only, 3,500 gal.
	T-20, Tank, Oily Water, for disposal only, 4' h x 11' 6" dia, 1,008 gal
	T-3, Tank, Oily Water, for disposal only, 3,486 gal.
	T-30, Tank, Ultra Filtration Process, 10,000 gals.
	T-29, Tank, Ultra Filtration Process, (Permeate Transfer Tank), 1,000 gal.
	T-15, Tank, Low Purity Water Storage, 17' h x 16' dia, 25,000 gal.
	T-33, Tank, Reverse Osmosis Feed, 3,000 gal.
	T-16, Tank, High Purity Water Storage, 12' H x 12' dia, 10,000 gal.
	Grit Separator
	Ultra Filtration Unit
	Reverse Osmosis Unit
0.65 HP	P-1A Transfer industrial wastewater to Bldg 609
0.65 HP	P-1B Transfer industrial wastewater to Bldg 609
0.5 HP	P-2A Transfer industrial wastewater to oil/water separator at T-1, T-2
0.5 HP	P-2B Transfer industrial wastewater to oil/water separator at T-1, T-2
0.3 HP	P-67A Transfer sludge from T-1 to T-12 at T-1, T-2
0.3 HP	P-67B Transfer sludge from T-2 to T-12 at T-1, T-2

0.1 HP	P-63 Transfer sludge from T-1, T-2 to T-3 at T-1, T-2
0.15 HP	P-5A Transfer oil/water separator effluent to T-30 at oil/water separator
0.15 HP	P-5B Transfer oil/water separator effluent to T-30 at oil/water separator
0.75 HP	P-3A Transfer oil from oil/water separator #1 to T-3 at oil/water separator
0.75 HP	P-3B Transfer oil from oil/water separator #2 to T-3 at oil/water separator
	P-4A Transfer oily sludge from oil/water separator #1 to T-20 at oil/water separator; pneumatic
	P-4B Transfer oily sludge from oil/water separator #2 to T-20 at oil/water separator; pneumatic
2 HP	Water Pump Circulate cleaning and rinse water thru ultra filtration unit at ultra filtration unit
	Sludge Pump Transfer sludge from T-30 to T-3 at ultra filtration unit; pneumatic
2 HP	P-50 Ultra Filtration Feed pump supplies positive pressureto P-49 at ultra filtration unit
6 HP	P-49 Circulates industrial wastewater through ultra filter unit at ultra filtration unit
0.1 HP	P-51 Transfers ultra filtered permeate from T-29 to T-15 at ultra filtration unit
0.5 HP	P-20A Supplies T-15 water to carbon units - to air stripper or AOP at carbon units
0.5 HP	P-20B Supplies T-15 water to carbon units - to air stripper or AOP at carbon units
0.3 HP	P-56A Supplies water to RO booster pumps from T-33 at AOP
0.3 HP	P-56B Supplies water to RO booster pumps from T-33 at AOP
0.1 HP	P-23 Pumps RO brines to basins from T-19 at brine storage tank
2.5 HP	P-21A Supplies water to RO membranes at RO
2.5 HP	P-21B Supplies water to RO membranes at RO
0.5 HP	P-50 Circulates cleaning water from T-29 through RO at RO
0.3 HP	P-52 Supplies water from T-16 to T-29
0.3 HP	Water Pump Supply water from scrubber pump to various pumps on scrubber
0.5 HP	P-19A Supply water from carbon units to top of stripper tower
0.5 HP	P-19B Supply water from carbon units to top of stripper tower
0.75 HP	P-22A Transfer treated water to steam rack
0.75 HP	P-22B Transfer treated water to steam rack
0.2 HP	P-39 Supplies permeate from brine storage tanks (T-19) to T-16
0.15 HP	P-41A Pumps sump to T-1 and T-2 by T-1, T-2
0.15 HP	P-41B Pumps sump to T-1 and T-2 by T-1, T-2
0.15 HP	P-42A Pumps sump to T-1 and T-2 by oil/water separator
0.15 HP	P-42B Pumps sump to T-1 and T-2 by oil/water separator
0.15 HP	P-43A Pumps sump to T-1 and T-2 by ultra filtration tank
0.15 HP	P-43B Pumps sump to T-1 and T-2 by ultra filtration tank
0.15 HP	P-44A Pumps sump to T-1 and T-2 by ultra filtration unit
0.15 HP	P-44B Pumps sump to T-1 and T-2 by ultra filtration unit
0.15 HP	P-45A Pumps sump to T-1 and T-2 by RO
0.15 HP	P-45B Pumps sump to T-1 and T-2 by RO
0.15 HP	P-46A Pumps sump to T-16 by T-16

0.15 HP	P-46B Pumps sump to T-16 by T-16

PERMIT CONDITIONS:

1. This equipment shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emission of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 1302]

2. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Monthly total volume of liquid entering Clarifiers 1 and 2;
   b. Quarterly total volume of skimmings removed from Clarifiers 1 and 2;
   c. Dates and volumes of all liquids disposed of via certified off-base handling facilities from Tanks T-3 and T-20 (in gallons);
   d. Records sufficient to verify exemption status from District Rule 464 (see Condition 4);
   e. Dates and times of operator attended use of any portion of the system; and
   f. Descriptions of all malfunctions and corrective actions taken.
   [District Rule 1302]

3. This system shall not recover more than 759 liters (200 gallons) per day of any petroleum products with a Reid Vapor Pressure (RVP) of 25 mm Hg (0.5 psi) or greater.
   [District Rule 464]

Q. STEAM GENERATOR, STEAM CLEANING RACK UNIT #1 (BLDG 629) – MDAQMD PERMIT B012341 – consisting of:
A 6.199 MMBtu/hour Clayton boiler, model SEG154-1-FMB and Serial Number 25021.
Manufacturer's emissions data for maximum load operations are:
NOx: 9 ppmvd and 0.07 lbs/hour
CO: 50 ppmvd and 0.22 lbs/hour
SOx: 0.0036 lbs/hour
VOC: 0.03 lbs/hour
PM10: 0.05 lbs/hour
These emission levels meet current BACT levels.

PERMIT CONDITIONS:

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 for this permit.
[District Rule 1302(B)(1)(a)]

2. This boiler shall only be fueled with utility grade natural gas and shall be equipped with a non-resettable meter measuring fuel consumption in standard cubic feet
[District Rules 1302(B)(1)(a) and 1303]

3. This boiler must be tuned up at least once every year in accordance with District Rule 1157(C)(3)(b)(iii).
[District Rule 1157]

4. The owner/operator shall maintain an operations log for this boiler current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Date and time of each startup and shutdown
   b. Rolling consecutive twelve month period operation in terms of total hours;
   c. Rolling consecutive twelve month period operation in terms of fuel burned;
   d. Maintenance and repair actions conducted on the boiler, burner, and burner control systems;
   e. Descriptions and corrective actions taken during all malfunctions; and
   f. Results of all boiler tune-ups and tests.

   [District Rule 1302(B)(1)(a); 40 CFR 63.10(b)]

5. This boiler shall not be operated for more than 18 hours per day nor more than 6 days in any consecutive 7 day period. Furthermore, this boiler and the boiler described in District Permit B012342 shall not be operated for a combined total of more than 10,032 hours in any consecutive twelve month period.
[District Rules 1302(B)(1)(a), and 1305]

6. The owner/operator shall submit a report to the District no later than March 1st of each year stating the cumulative heat input for this boiler for the previous calendar year. This statement shall include the fuel's Higher Heating Value (HHV) used to calculate the cumulative heat input.
[District Rule 1157]

R. STEAM GENERATOR, STEAM CLEANING RACK UNIT #2 (BLDG 629) – MDAQMD PERMIT B012342 – consisting of:
A 6.199 MMBtu/hour Clayton boiler, model SEG154-1-FMB and Serial Number 25020.
Manufacturer's emissions data for maximum load operations are:
NOx: 9 ppmvd and 0.07 lbs/hour
CO: 50 ppmvd and 0.22 lbs/hour
SOx: 0.0036 lbs/hour
VOC: 0.03 lbs/hour

PM10: 0.05 lbs/hour
These emission levels meet current BACT levels.

PERMIT CONDITIONS:

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 for this permit.
[District Rule 1302(B)(1)(a)]

2. This boiler shall only be fueled with utility grade natural gas and shall be equipped with a non-resettable meter measuring fuel consumption in standard cubic feet.
[District Rule 1302(B)(1)(a) and 1303]

3. This boiler must be tuned up at least once every year in accordance with District Rule 1157(C)(3)(b)(iii).
[District Rule 1157]

4. The owner/operator shall maintain an operations log for this boiler current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Date and time of each startup and shutdown;
   b. Rolling consecutive twelve month period operation in terms of total hours;
   c. Rolling consecutive twelve month period operation in terms of fuel burned;
   d. Maintenance and repair actions conducted on the boiler, burner, and burner control systems;
   e. Descriptions and corrective actions taken during all malfunctions; and
   f. Results of all boiler tune-ups and tests.

   [District Rule 1302(B)(1)(a); 40 CFR 63.10(b)]

5. This boiler shall not be operated for more than 18 hours per day nor more than 6 days in any consecutive 7 day period. Furthermore, this boiler and the boiler described in District Permit B012341 shall not be operated for a combined total of more than 10,032 hours in any consecutive twelve month period.
[District Rules 1302(B)(1)(a) and 1305]

6. The owner/operator shall submit a report to the District no later than March 1st of each year stating the cumulative heat input for this boiler for the previous calendar year. This statement shall include the fuel's Higher Heating Value (HHV) used to calculate the cumulative heat input.
[District Rule 1157]

S. DYNAMOMETER, TACTICAL VEHICLE ENGINE TESTING (BLDG 641 UNIT 1) – MDAQMD PERMIT B012548 – consisting of:
A model 35X06 water brake engine dynamometer manufactured in 2015 by Power Test, Inc. This dynamometer is capable of testing tactical vehicle engines rated up to 2,100 bhp.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This equipment shall only be used to test Tactical Vehicle engines.
[District Rule 1302(B)(1)(a)]

3. All emission control systems normally installed on engines being tested on this unit shall be connected and fully functional throughout all tests.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall maintain an operations log for this equipment, current and on-site, either at the equipment location or at an on-site location, for a minimum of five (5) years and this log shall be provided to District, State or Federal personnel on request. The log shall include, at a minimum, the following information for each test run:
   a. Date and run duration of each engine's operation,
   b. Fuel consumed, in gallons, by the operating engine, and
   c. Maximum developed brake hp of the engine being tested (n/a for spin tests only).

   [District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

T. DYNAMOMETER, TACTICAL VEHICLE ENGINE TESTING (BLDG 641 UNIT 2) – MDAQMD PERMIT B012549 – consisting of:
A model 35X06 water brake engine dynamometer manufactured in 2015 by Power Test, Inc. This dynamometer is capable of testing tactical vehicle engines rated up to 2,100 bhp.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This equipment shall only be used to test Tactical Vehicle engines.

[District Rule 1302(B)(1)(a)]

3. All emission control systems normally installed on engines being tested on this unit shall be connected and fully functional throughout all tests.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall maintain an operations log for this equipment, current and on-site, either at the equipment location or at an on-site location, for a minimum of five (5) years and this log shall be provided to District, State or Federal personnel on request. The log shall include, at a minimum, the following information for each test run:
   a. Date and run duration of each engine's operation,
   b. Fuel consumed, in gallons, by the operating engine, and
   c. Maximum developed brake hp of the engine being tested (n/a for spin tests only).

   [District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

U. DYNAMOMETER, TACTICAL VEHICLE ENGINE TESTING (BLDG 641 UNIT 3) – MDAQMD PERMIT B012550 – consisting of:
A model 35X06 water brake engine dynamometer manufactured in 2015 by Power Test, Inc. This dynamometer is capable of testing tactical vehicle engines rated up to 2,100 bhp.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This equipment shall only be used to test Tactical Vehicle engines.
[District Rule 1302(B)(1)(a)]

3. All emission control systems normally installed on engines being tested on this unit shall be connected and fully functional throughout all tests.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall maintain an operations log for this equipment, current and on-site, either at the equipment location or at an on-site location, for a minimum of five (5) years and this log shall be provided to District, State or Federal personnel on request. The log shall include, at a minimum, the following information for each test run:
   a. Date and run duration of each engine's operation,
   b. Fuel consumed, in gallons, by the operating engine, and
   c. Maximum developed brake hp of the engine being tested (n/a for spin tests only).

   [District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

V. DYNAMOMETER, TACTICAL VEHICLE ENGINE TESTING (BLDG 641 UNIT 4) – MDAQMD PERMIT B012551 – consisting of:
A model 35X06 water brake engine dynamometer manufactured in 2015 by Power Test, Inc. This dynamometer is capable of testing tactical vehicle engines rated up to 2,100 bhp.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This equipment shall only be used to test Tactical Vehicle engines.
[District Rule 1302(B)(1)(a)]

3. All emission control systems normally installed on engines being tested on this unit shall be connected and fully functional throughout all tests.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall maintain an operations log for this equipment, current and on-site, either at the equipment location or at an on-site location, for a minimum of five (5) years and this log shall be provided to District, State or Federal personnel on request. The log shall include, at a minimum, the following information for each test run:
   a. Date and run duration of each engine's operation,
   b. Fuel consumed, in gallons, by the operating engine, and
   c. Maximum developed brake hp of the engine being tested (n/a for spin tests only).

   [District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

W. DYNAMOMETER, TACTICAL VEHICLE ENGINE TESTING (BLDG 641 UNIT 6) – MDAQMD PERMIT B012552 – consisting of:
A model 50X02 water brake engine dynamometer manufactured in 2015 by Power Test, Inc. This dynamometer is capable of testing tactical vehicle engines rated up to 1,000 bhp.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This equipment shall only be used to test Tactical Vehicle engines.
[District Rule 1302(B)(1)(a)]

3. All emission control systems normally installed on engines being tested on this unit shall be connected and fully functional throughout all tests.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall maintain an operations log for this equipment, current and on-site, either at the equipment location or at an on-site location, for a minimum of five (5) years and this log shall be provided to District, State or Federal personnel on request. The log shall include, at a minimum, the following information for each test run:
   a. Date and run duration of each engine's operation,
   b. Fuel consumed, in gallons, by the operating engine, and
   c. Maximum developed brake hp of the engine being tested (n/a for spin tests only).

   [District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

X. DYNAMOMETER, TACTICAL VEHICLE ENGINE TESTING, PAXMAN (BLDG 641 UNIT 7) – MDAQMD PERMIT B012553 – consisting of:
A model H3608 water brake engine dynamometer manufactured in 2015 by Power Test, Inc. This dynamometer is capable of testing tactical vehicle engines rated up to 10,000 bhp.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This equipment shall only be used to test Tactical Vehicle engines.
[District Rule 1302(B)(1)(a)]

3. All emission control systems normally installed on engines being tested on this unit shall be connected and fully functional throughout all tests.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall maintain an operations log for this equipment, current and on-site, either at the equipment location or at an on-site location, for a minimum of five (5) years and this log shall be provided to District, State or Federal personnel on request. The log shall include, at a minimum, the following information for each test run:
   a. Date and run duration of each engine's operation,
   b. Fuel consumed, in gallons, by the operating engine, and
   c. Maximum developed brake hp of the engine being tested (n/a for spin tests only).

[District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

Y. SPIN TEST CELL, TACTICAL VEHICLE ENGINE TESTING (BLDG 641 UNIT 1) – MDAQMD PERMIT B012554 – consisting of:
A custom manufactured engine test stand designed to allow tactical vehicle engine operations in an unloaded state.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This equipment shall only be used to test Tactical Vehicle engines.
[District Rule 1302(B)(1)(a)]

3. All emission control systems normally installed on engines being tested on this unit shall be connected and fully functional throughout all tests.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall maintain an operations log for this equipment, current and on-site, either at the equipment location or at an on-site location, for a minimum of five (5) years and this log shall be provided to District, State or Federal personnel on request. The log shall include, at a minimum, the following information for each test run:
   a. Date and run duration of each engine's operation,
   b. Fuel consumed, in gallons, by the operating engine, and
   c. Maximum developed brake hp of the engine being tested (n/a for spin tests only).

   [District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

Z. DYNAMOMETER, TACTICAL VEHICLE ENGINE TESTING (BLDG 641 UNIT 5) – MDAQMD PERMIT B012555 – consisting of:
A model 50X02 water brake engine dynamometer manufactured in 2015 by Power Test, Inc. This dynamometer is capable of testing tactical vehicle engines rated up to 1,000 bhp.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This equipment shall only be used to test Tactical Vehicle engines.
[District Rule 1302(B)(1)(a)]

3. All emission control systems normally installed on engines being tested on this unit shall be connected and fully functional throughout all tests.
[District Rule 1302(B)(1)(a)]

4. The owner/operator shall maintain an operations log for this equipment, current and on-site, either at the equipment location or at an on-site location, for a minimum of five (5) years and this log shall be provided to District, State or Federal personnel on request. The log shall include, at a minimum, the following information for each test run:
   a. Date and run duration of each engine's operation,
   b. Fuel consumed, in gallons, by the operating engine, and
   c. Maximum developed brake hp of the engine being tested (n/a for spin tests only).

   [District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

AA. DUST COLLECTOR (BLDG 570, NORTH HARDSTAND) – MDAQMD PERMIT C003245 – consisting of:
a Torit cartridge pulse jet Model No. DFT 4-176 dust collector, with 176 13.84" by 25" cartridge filters totaling 44,700 square feet of filter area, a three hp hopper discharge valve, and a 125 hp Air Tech fan producing 97,700 cfm of flow (for an air to cloth ratio of 2.2:1). This dust collector serves the North Unit Abrasive Blast Booth (A000951), elevator and abrasive separator (500 cfm from elevator and abrasive separator).

PERMIT CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Permit 1302(B)(1)(a)]

2. This dust collector shall be fully functional and operating whenever the associated abrasive blasting booth referenced in the equipment description for this unit is being operated.
[District Permit 1302(B)(1)(a)]

3. The owner/operator shall maintain an operations log for this unit, current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State, and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Quarterly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary);

b. Quarterly cartridge suspension system inspection date and results;
c. Date of cartridge replacement; and
d. Descriptions of all malfunctions and corrective actions taken.
[District Rules 1302 and 1303; 40 CFR 70.6(a)(3)(ii)(b)]

4. The system shall be equipped with sensors that monitor the integrity of cartridges. The system automatically shuts down if the sensors indicate that the cartridge performance is compromised.
[District Rules 1302(B)(1)(a) and 1203(D)(1)(d)(ii); 40 CFR 70.6(a)(3)(ii)(B); 40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

5. This dust collector shall discharge no more than 5.0 pounds per hour of PM10 at a maximum concentration of 0.006 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 1303]

BB. DUST COLLECTOR (BLDG 570, NORTH HARDSTAND) – MDAQMD PERMIT C003247 – consisting of:
a Torit cartridge pulse jet Model No. DFT 4-176 dust collector, with 176 13.84" by 25" cartridge filters totaling 44,700 square feet of filter area, a three hp hopper discharge valve, and a 125 hp Air Tech fan producing 97,700 cfm of flow (for an air to cloth ratio of 2.2:1). This dust collector serves the South Unit Abrasive Blast Booth (A000952), elevator and abrasive separator (500 cfm from elevator and abrasive separator).

PERMIT CONDITIONS:

1. This unit 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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This dust collector shall be fully functional and operating whenever the associated abrasive blasting booth referenced in the equipment description for this unit is being operated.
[District Rule 1302(B)(1)(a)]

3. The owner/operator shall maintain an operations log for this unit, current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State, and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Quarterly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary);

b. Quarterly cartridge suspension system inspection date and results;
c. Date of cartridge replacement; and
d. Descriptions of all malfunctions and corrective actions taken.
[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The system shall be equipped with sensors that monitor the integrity of cartridges. The system automatically shuts down if the sensors indicate that the cartridge performance is compromised.
[Rules 1203(D)(1)(d)(ii) and 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(B); 40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

5. This dust collector shall discharge no more than 5.0 pounds per hour of PM10 at a maximum concentration of 0.006 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 1303]

CC. DUST COLLECTOR – MDAQMD PERMIT C003961 – consisting of:
BUILDING 569, Blast Coast Systems, Inc. Model BCSABS-4-48, 26,900 cfm, Cartridge filter with pulse jet cleaning, 48 pleated cartridges, each 13.84 inches diameter 25 inches long and having a filter surface of approximately 255 square feet, A:C, 2.20:1; with 60 hp electric motors, 99.999 % efficiency to 0.5 micron. Equipped with a leak detection monitor and automatic shut-down system. This dust collector serves the Abrasive Blasting System, with abrasive reclaim system (Permit A003959).

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This dust collector shall be fully functional and operating whenever the associated abrasive blasting booth referenced in the equipment description for this unit is being operated.
[District Rule 1302(B)(1)(a)]

3. The owner/operator shall maintain an operations log for this unit, current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State, and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Quarterly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary);

b. Quarterly cartridge suspension system inspection date and results;
c. Date of cartridge replacement; and
d. Descriptions of all malfunctions and corrective actions taken.
[District Rules 1302 and 1303; 40 CFR 70.6(a)(3)(ii)(b)]

4. The system shall be equipped with sensors that monitor the integrity of the cartridges. The system automatically shuts down if the sensors indicate that the cartridge performance is compromised.
[District Rule 1302(B)(1)(a)]

DD. HEPA VAC (BLDG 632) – MDAQMD PERMIT C005010 – consisting of:
Nilfisk, Model No. GS-80, with primary and secondary HEPA filters. The HEPA filter is 99.97% efficient for collection of all particles equal to or greater than 0.3 microns.

PERMIT CONDITIONS:

1. This air filtration unit shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1320, 40 CFR 61.152(b)(2)]

2. The filter in this equipment must be a certified High Efficiency Particulate Air (HEPA) filter with a 99.97% minimum capture efficiency for particles with an aerodynamic diameter of 0.3 microns and larger.
[District Rule 1302(B)(1)(a) 204]

3. This unit may, at the discretion of the owner/operator, be used on any asbestos project in the District with proper 10-day notification consistent with 40 CFR61. Proper notification is written and telephone communication a minimum of 10 District working days prior to actual placement of the unit at the new site.
[40 CFR 61, Subpart M]

4. During full containment projects, view ports shall be provided for inspection purposes. The view port dimensions shall be at least 18 inches square and the bottom of said port no less than 3 to 4 feet from the floor level.
[District Rule 1302(B)(1)(a)]

5. Viewing ports shall be sufficient in number to allow observation of all stripping and removal of asbestos containing materials, ACM.
[District Rule 1302(B)(1)(a)]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to

District, State, and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each day of use:

a. Date of each use;
b. Total operating hours for each days use; and
c. Descriptions of all malfunctions and corrective actions taken.

[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

7. The HEPA filters shall meet UL 585 and UL 900 class 2 requirements.
[District Rules 1302(B)(1)(a) and 1320; 40 CFR 61.152(b)(2)]

EE. REGENERATIVE THERMAL OXIDIZER (BLDG 634) – MDAQMD PERMIT C008397 – consisting of:
Four hydrophobic zeolite rotor collectors (three cycle), an 11 MMBtu/hr Kinemax Crossfire duct heater (concentrator regenerator at 350 degree Fahrenheit), and an oxidizer chamber with two Macon Kinemax low NOx natural gas burners (6.5 MMBtu/hr total, nominal oxidation chamber temperature 1500 degrees Fahrenheit) equipped with structured ceramic thermal recovery media.

PERMIT CONDITIONS:

1. This equipment shall be operated and maintained in strict accordance with the recommendations of its manufacturer or supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in compliance with all data and specifications submitted with the application under which this permit is issued.
[Rule 1302(B)(1)(a)]

2. This device shall be fully functional and operating whenever any of the spray booths and curing ovens with valid District permits S008392, S008393, S008394, S008395, and S008396 are in use.
[Rule 1302(B)(1)(a)]

3. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

a. Results of initial Capture Efficiency source tests;
b. Results of annual Destruction Efficiency demonstrations;
c. Monthly and rolling consecutive twelve month period VOC release records; and
d. Descriptions of all malfunctions and corrective actions taken.

[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The combined VOC emissions from all equipment described in District permits S008392, S008393, S008394, S008395, S008396, S009622, S009969, C009623, C008397, and C009968 (the entire Paint and Undercoat Facility) to the atmosphere shall not exceed 3089 pounds of VOC in any consecutive twelve month period.

Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
[District Rules 204, 1115, 1116, and 1303 - Requirements]

5. This equipment shall operate with a control efficiency of 95 percent (capture times destruction), comparing total VOC release in the booths and ovens and actual VOC emissions exhausted to the atmosphere from this device. Compliance tests described below, in conjunction with initial capture efficiency source test results, shall be used to demonstrate this control efficiency.
The owner/operator shall conduct compliance tests at least once every twelve (12) months at the concentrator outlet/oxidizer inlet, oxidizer outlet, and concentrator exhaust to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete concentrator cycles), in accordance with the MDAQMD Compliance Test Procedural Manual. VOC concentrations shall be determined in accordance with USEPA Test Methods 25, 25A, or 25B, with USEPA Test Method 18, or CARB Method 422 used to determine exempt compound concentrations.
VOC concentrations in the concentrator exhaust shall be less than 10 ppm as methane. VOC emissions to the atmosphere shall be determined as the sum of emissions from the oxidizer outlet and concentrator exhaust. The concentrator exhaust flow rate shall be assumed as the sum of maximum design flow rates from all connected spray booths if not measured as part of the compliance test procedures.

   Compliance Test Notifications, Protocols, and Results:
   a. The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol.
   b. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present.
   c. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test.
   d. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

   [Rule 1302(B)(1)(a)]

6. This thermal oxidizer shall only use PUC-regulated pipeline quality natural gas for fuel. [District Rule 1303]

FF. DUST COLLECTOR (BLDG 629) – MDAQMD PERMIT C008808 – consisting of: Donaldon-Torit Cartridge Dust Collector Model No. DFT 4-48, Manufactured by Torit, Inc. Rated at 27,500 cfm Contains 48 pleated cartridge filters 13.84 inches diameter x 25 inches long, each with 254 square feet filter surface. 50 hp fan and motor hopper discharge valve Air to Cloth ratio of 2.3:1 Leak detection system with automatic shut-down.

PERMIT CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 1302(B)(1)(a)]

2. This dust collector shall be operated concurrent with the Abrasive Blast Booth in Building 629 operating under valid District permit number A008793.
   [District Rule 1302]

3. The owner/operator shall maintain an operations log for this unit, current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State, and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Quarterly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary);
   b. Quarterly cartridge suspension system inspection date and results;
   c. Date of cartridge replacement; and
   d. Descriptions of all malfunctions and corrective actions taken.
   [District Rules 1302 and 1303; 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall maintain on site an inventory of replacement cartridges at all times to help ensure compliance with these conditions.
   [District Rule 1302(B)(1)(a)]

5. This system shall be equipped with sensors that monitor the integrity of cartridges. The system automatically shutdowns if the sensors indicate that the cartridge performance is compromised.
   [District Rules 1302 and 1303]

GG. DUST COLLECTOR (BLDG 565) – MDAQMD PERMIT C009132 – consisting of: a Torit Model DFT 4-192 cartridge dust collector, with 192 pleated cellulose substrate with nylon membrane surface treatment cartridges, each measuring 13.84 inches diameter x 25 inches long 254 square foot cartridge filters totaling 48,768 square feet of filter area and a 200 hp blower producing 113,000 cfm of flow (for an air to cloth ratio of 2.3:1). This dust collector serves the Super Blast Booth Number 1, elevator and abrasive separator (500 cfm from elevator and abrasive separator) under permit A009130. Equipped with filter leak detection and automatic shut-down.

PERMIT CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles

which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This dust collector shall operate concurrently with the Super Blast Booth Number 1 (A009130).
[District Rule 1302]

3. The owner/operator shall maintain an operations log for this unit, current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State, and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Quarterly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary);
   b. Quarterly cartridge suspension system inspection date and results;
   c. Date of cartridge replacement; and
   d. Descriptions of all malfunctions and corrective actions taken.
[District Rules 1302 and 1303; 40 CFR 70.6(a)(3)(ii)(b)]

4. This system shall be equipped with sensors that monitor the integrity of cartridges. The system automatically shutdowns if the sensors indicate that the cartridge performance is compromised.
[District Rule 1302]

5. This dust collector shall discharge no more than 0.0028 pounds per hour of PM10 at a control efficiency of 99.999 percent at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 1303]

6. The owner/operator shall maintain on site a minimum inventory of replacement cartridges that assures compliance with these conditions.
[District Rule 1302(B)(1)(a)]

HH. DUST COLLECTOR (BLDG 565) – MDAQMD PERMIT C009133 – consisting of: a Torit Model DFT 4-192 cartridge dust collector, with 192 pleated cellulose substrate with nylon membrane surface treatment 254 square foot cartridge filters, each measuring 13.84 inches diameter x 25 inches long, totaling 48,768 square feet of filter area and a 200 hp blower producing 113,000 cfm of flow (for an air to cloth ratio of 2.3:1). This dust collector serves the Super Blast Booth Number 2, elevator and abrasive separator (500 cfm from elevator and abrasive separator) under permit A009131. Equipped with filter leak detection and automatic shut-down.

PERMIT CONDITIONS:

1. The owner/operator (o/o) shall maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which the produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 1302(B)(1)(a)]

2. This dust collector shall operate concurrently with the Super Blast Booth Number 2 (A009131).
   [District Rule 1302]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on site for five (5) years a log of the following information, which shall be provided to District, State or Federal personnel upon request:
   a. Quarterly dust collector stack observation date and result (using EPA Method 22, and USEPA Method 9 if necessary);
   b. Quarterly cartridge suspension system inspection date and results;
   c. Date of cartridge replacements; and
   d. Date and nature of any system repairs.
   [District Rules 1302 and 1303]

4. This dust collector shall discharge no more than 0.0028 pounds per hour of PM10 at a control efficiency of 99.999 percent at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
   [District Rule 1303]

5. The o/o shall maintain on site a minimum inventory of replacement cartridges that assures compliance with these conditions.
   [District Rule 1302(B)(1)(a)]

6. This system shall be equipped with sensors that monitor the integrity of cartridges. The system automatically shutdowns if the sensors indicate that the cartridge performance is compromised.
   [District Rule 1302]

II. RECUPERATIVE THERMAL OXIDIZER (BLDG 634) – MDAQMD PERMIT C009623 – consisting of:
Munters Zeol System, Model Number IZS-3546-TH that includes: Concentrator (a continuously rotating rotor made of an absorptive medium, zeolite), which operates in three modes, adsorption, regeneration and cooling; and A Recuperative Thermal Oxidizer (TO), which utilizes one Eclipse RatioMatic Model RM500 Low NOx Burner, with a maximum

heat input of 3.2 MMBtu/hr of natural gas, and the combustion chamber is heated to approximately 1375 degrees F.

PERMIT CONDITIONS:

1. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued.
   [District Rule 1302(B)(1)(a)]

2. This thermal oxidizer shall be fully functional and operating whenever the spray booth with valid District permit S009622 is in use.
   [District Rule 1302(B)(1)(a)]

3. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Results of initial Capture Efficiency source test results;
   b. Results of annual Destruction Efficiency demonstrations;
   c. Monthly and rolling consecutive twelve month period VOC release records; and
   d. Descriptions of all malfunctions and corrective actions taken.
   [District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The combined emissions from all equipment described in District permits S008392, S008393, S008394, S008395, S008396, S009622, S009969, C008397, C009623, and C009968 (the entire Paint and Undercoat Facility) to the atmosphere shall not exceed 3089 pounds of VOC in any consecutive twelve month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
   [District Rules 204, 1115, 1116, and 1303 - Requirements; Version in SIP Approved 11/13/1996, 40 CFR 52.220(c)(239)(i)(A)(1), 61 FR 58133]

5. This equipment shall operate with a control efficiency of 95 percent (capture times destruction), comparing total VOC release in the booths and ovens and actual VOC emissions exhausted to the atmosphere from this device. Compliance tests described below, in conjunction with initial capture efficiency source test results, shall be used to demonstrate this control efficiency.
   The owner/operator shall conduct compliance tests at least once every twelve (12) months at the concentrator outlet/oxidizer inlet, oxidizer outlet, and concentrator exhaust to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete concentrator cycles), in accordance with the MDAQMD Compliance Test Procedural Manual. VOC concentrations shall be

determined in accordance with USEPA Test Methods 25, 25A, or 25B, with USEPA Test Method 18, or CARB Method 422 used to determine exempt compound concentrations.
VOC concentrations in the concentrator exhaust shall be less than 10 ppm as methane. VOC emissions to the atmosphere shall be determined as the sum of emissions from the oxidizer outlet and concentrator exhaust. The concentrator exhaust flow rate shall be assumed as the sum of maximum design flow rates from all connected spray booths if not measured as part of the compliance test procedures.

Compliance Test Notifications, Protocols, and Results:

a. The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol.
b. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present.
c. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test.
d. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

[Rule 1302(B)(1)(a)]

6. This thermal oxidizer shall only use PUC-regulated pipeline quality natural gas for fuel. [District Rule 1303]

JJ. THERMAL OXIDIZER (BLDG 634) – MDAQMD PERMIT C009968 – consisting of: a Munters Zeol System, Model Number IZS-2946-TH. This system includes: A concentrator (a continuously rotating rotor made of an absorptive medium, zeolite), which operates in three modes: adsorption, regeneration, and cooling. A Thermal Oxidizer (TO), utilizes one Eclipse Model WX200 2.0 million British thermal units per hour (MMBtu/hr) low-NOx burner. This natural gas-fired Burner is set and limited to fire at a rate of 1.3 MMBtu/hr, heating the combustion chamber to approximately 1400F. The TO is equipped with a stack; height of 20 feet and a diameter of 16 inches. The exhaust temperature is 1,400 deg. F with a maximum exhaust flow rate of 1,000 standard cubic feet per minute (scfm).

PERMIT CONDITIONS:

1. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued.
[District Rule 1302(B)(1)(a)]

2. This thermal oxidizer shall be fully functional and operating whenever the spray booth and curing oven described in valid District permit S009969 is in use.
[District Rule 1302(B)(1)(a)]

3. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The combined emissions from all equipment described in District permits S008392, S008393, S008394, S008395, S008396, S009622, S009969, C008397, C009623, and C009968 (the entire Paint and Undercoat Facility) to the atmosphere shall not exceed 3089 pounds of VOC in any consecutive twelve month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
   a. Results of initial Capture Efficiency source tests;
   b. Results of annual Destruction Efficiency demonstrations;
   c. Monthly and rolling consecutive twelve month period VOC release records; and
   d. Descriptions of all malfunctions and corrective actions taken.

   [District Rules 204, 1115, 1116, and 1303 - Requirements; Version in SIP Approved 11/13/1996, 40 CFR 52.220(c)(239)(i)(A)(1), 61 FR 58133]

5. This equipment shall operate with a control efficiency of 95 percent (capture times destruction), comparing total VOC release in the booths and ovens and actual VOC emissions exhausted to the atmosphere from this device. Compliance tests described below, in conjunction with initial capture efficiency source test results, shall be used to demonstrate this control efficiency.
   The owner/operator shall conduct compliance tests at least once every twelve (12) months at the concentrator outlet/oxidizer inlet, oxidizer outlet, and concentrator exhaust to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete concentrator cycles), in accordance with the MDAQMD Compliance Test Procedural Manual. VOC concentrations shall be determined in accordance with USEPA Test Methods 25, 25A, or 25B, with USEPA Test Method 18, or CARB Method 422 used to determine exempt compound concentrations.
   VOC concentrations in the concentrator exhaust shall be less than 10 ppm as methane. VOC emissions to the atmosphere shall be determined as the sum of emissions from the oxidizer outlet and concentrator exhaust. The concentrator exhaust flow rate shall be assumed as the sum of maximum design flow rates from all connected spray booths if not measured as part of the compliance test procedures.

   Compliance Test Notifications, Protocols, and Results:
   a. The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must

conduct all required compliance/certification tests in accordance with a District-approved test protocol.

b. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present.

c. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test.

d. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

[Rule 1302(B)(1)(a)]

6. This equipment shall only use PUC-regulated pipeline quality natural gas.
[District Rule 1303]

KK. DUST COLLECTOR (BLDG 629) – MDAQMD PERMIT C010219 – consisting of: FILTER HOUSE FOR INTERNAL BLAST EQUIPMENT, including a Sunspan Systems Inc Model SSC-9-XLC-SOC, Dust Collector with a flow rate of 4500 cfm, inlet velocity of 3800 lfm, and outlet velocity of 3300 lfm. Device contains 9 High inlet cartridge filters mounted in 3-rows of 3 filters with a total surface area of 2682 square feet. Filter media is 80:20 blend of pleated cellulose and polyester fiber. Air to Cloth ratio is 1.68:1. Fan motor is 10 hp. This APCD controls PM-10 emissions from the abrasive blaster described in District Permit A004412.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This dust collector shall be fully functional and operating whenever the associated abrasive blasting booth listed in District Permit A004412 is being used.
[District Rule 1302(B)(1)(a)]

3. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

a. Quarterly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary);

b. Quarterly cartridge and cartridge suspension system inspection date and results;

c. Date of cartridge replacement; and

d. Descriptions of all malfunctions and corrective actions taken.

[District Rule 1302(B)(1)(a), 40 CFR 70.6(a)(3)(ii)(b)]

4. This dust collector shall be equipped with sensors that monitor the integrity of the filter cartridges and automatically shuts down the system if the sensors indicate that cartridge performance is compromised.
[District Rule 1302(B)(1)(a)]

5. An annual compliance/certification test of this unit for particulate and PM-10 is not required. However, the Owner/Operator shall conduct such testing upon District request and shall be in accordance with the District Compliance Test Procedural Manual.
[District Rule 1302(B)(1)(a)]

6. This equipment shall not operate more than 3000 hours/year; 10 hrs/day, 6 days/week, 50 weeks per year.
[District Rules 1303 and 1305]

7. PM-10 emissions from this device and device permitted as A004412 were offset with Emission Reduction Credits (ERC's) using credits owned by this facility as documented by certificate numbers 14 and 69. Remaining combined PM-10 certificates balance is 4190 lbs/yr at time of transfer. To ensure compliance with NSR requirements of regulation XIII, the o/o demonstrated, using source test data, that the combined emissions from this device and those from A004412 are less than 1378.70 lbs of PM-10 per year. PM-10 source testing was accomplished using EPA Method 5, and moisture quantified using EPA Method 4, during PM sampling.
[District Rules 204, 1303, and 1305]

LL. DUST COLLECTOR (BLDG 566) – MDAQMD PERMIT C010410 – consisting of: Donaldon Cartridge Dust Collector, Model No. DFT 4-256, manufactured by Torit, Inc, Rated at 126,500 cfm, containing 256 filters, mounted in 4 rows of 64, comprised of cellulose substrate w/nylon membrane surface treatment, each with a 254 square feet filter area. Dust collector powered by a 200 hp fan and motor. Inlet and outlet velocity is 3,500 fpm. Collector has an Air to Cloth ratio of 1.9:1.0, and Dust Control Efficiency of 99.999%. Equipped with filter leak detection and automatic shut-down.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. This dust collector shall be fully functional and operating whenever the associated abrasive blasting booth referenced in District Permit A005113 is being used.
[District Rule 1302(B)(1)(a)]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The owner/operator shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District, State, or Federal personnel upon request:
[District Rules 1302 and 1303]

4. The o/o shall maintain an inventory of replacement filters on-site at all times to help ensure compliance with applicable Rules of District Regulation IV.
[District Rule 1302(B)(1)(a)]

5. This system shall be equipped sensors that monitor the integrity of filters. The system shall automatically shut down if the sensors indicate that the cartridge performance is compromised.
[District Rule 1302]

MM. REGENERATIVE THERMAL OXIDIZER (BLDG 573) – MDAQMD PERMIT C010858 – consisting of:
Munters Zeol System, Model Number IZS-3546-TH; that includes a concentrator (a continuously rotating rotor made of an absorptive medium, zeolite operating in three modes: adsorption, regeneration, and cooling. Also includes one 1,295,000 British thermal units per hour (Btu/hr) burner, natural gas-fired with Eclipse Ratiomatic RM100 Burner set and limited to fire at a rate of 955,052 Btu/hr, heating the combustion chamber to a maximum temperature of 1,450F. Equipment has a stack height of 20 feet and a diameter of 12 inches. Maximum exhaust temperature is 900F; maximum exhaust flow is 1,170 standard cubic feet per minute (scfm). The natural gas low NOx burner is stated by the manufacturer to generate less than 0.15 pounds (lbs) of NOx per million British thermal units (MMBtu). The APCS has been designed for an inlet flowrate of 23,000 scfm with an inlet temperature of 85F. The APCS is guaranteed by the manufacturer to achieve a destruction and removal efficiency of 95 percent.

PERMIT CONDITIONS:

1. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued.
[Rule 1302(B)(1)(a)]

2. This thermal oxidizer shall be fully functional and operating whenever the spray booth and curing oven described in District permit S004558 is in use.
[Rule 1302(B)(1)(a)]

3. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to

District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

a. Results of initial Capture Efficiency source tests;
b. Results of annual Destruction Efficiency demonstrations;
c. Monthly and rolling consecutive twelve month period VOC release records; and
d. Descriptions of all malfunctions and corrective actions taken.

[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The combined emissions from all equipment described in District permits S008392, S008393, S008394, S008395, S008396, S009622, S009969, C008397, C009623, and C009968 (the entire Paint and Undercoat Facility) to the atmosphere shall not exceed 3089 pounds of VOC in any consecutive twelve month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
[District Rules 1302(B)(1)(a), 1115, 1116, and 1303]

5. This equipment shall operate with a control efficiency of 95 percent (capture times destruction), comparing total VOC release in the booths and ovens and actual VOC emissions exhausted to the atmosphere from this device. Compliance tests described below, in conjunction with initial capture efficiency source test results, shall be used to demonstrate this control efficiency.
The owner/operator shall conduct compliance tests at least once every twelve (12) months at the concentrator outlet/oxidizer inlet, oxidizer outlet, and concentrator exhaust to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete concentrator cycles), in accordance with the MDAQMD Compliance Test Procedural Manual. VOC concentrations shall be determined in accordance with USEPA Test Methods 25, 25A, or 25B, with USEPA Test Method 18, or CARB Method 422 used to determine exempt compound concentrations.
VOC concentrations in the concentrator exhaust shall be less than 10 ppm as methane. VOC emissions to the atmosphere shall be determined as the sum of emissions from the oxidizer outlet and concentrator exhaust. The concentrator exhaust flow rate shall be assumed as the sum of maximum design flow rates from all connected spray booths if not measured as part of the compliance test procedures.

Compliance Test Notifications, Protocols, and Results:

a. The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol.
b. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present.
c. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test.

d. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

[Rule 1302(B)(1)(a)]

6. This thermal oxidizer shall only use PUC-regulated pipeline quality natural gas for fuel. [District Rule 1303]

NN. REGENERATIVE THERMAL OXIDIZER 2 (BLDG 573) – MDAQMD PERMIT C010859 – consisting of:
Munters Zeol System, Model Number IZS-3546-TH that includes: A concentrator (a continuously rotating rotor made of an absorptive medium, zeolite), operating in three modes, adsorption, regeneration and cooling; a thermal oxidizer that utilizes one 5,780,000 Btu/hr Eclipse Ratiomatic RM500 natural gas burner set and limited to fire at a rate of 2,842,040 Btu/hr with a combustion chamber temperature of 1450F. TO has a stack height of 20 feet and a diameter of 20 inches. Maximum exhaust temperature is 900F and maximum exhaust flow rate of 3,410 standard cubic feet per minute (scfm). The natural gas low oxides of nitrogen (NOx) burner is stated by the manufacturer to generate less than 0.15 pounds (lbs) of NOx per million British thermal units (MMBtu). The APCS has been designed for an inlet flowrate of 36,000 scfm with an inlet temperature of 85oF. The APCS is guaranteed by the manufacturer to achieve a destruction and removal efficiency of 95 percent.

PERMIT CONDITIONS:

1. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued.
[Rule 1302(B)(1)(a)]

2. This thermal oxidizer shall be fully functional and operating whenever the spray booth with valid District permit S002873 is in use.
[Rule 1302(B)(1)(a)]

3. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Results of initial Capture Efficiency source tests;
   b. Results of annual Destruction Efficiency demonstrations;
   c. Monthly and rolling consecutive twelve month period VOC release records; and
   d. Descriptions of all malfunctions and corrective actions taken.
[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The combined emissions from all equipment described in District permits S008392, S008393, S008394, S008395, S008396, S009622, S009969, C008397, C009623, and

C009968 (the entire Paint and Undercoat Facility) to the atmosphere shall not exceed 3089 pounds of VOC in any consecutive twelve month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
[District Rules 1302(B)(1)(a), 1115, 1116, and 1303]

5. This equipment shall operate with a control efficiency of 95 percent (capture times destruction), comparing total VOC release in the booths and ovens and actual VOC emissions exhausted to the atmosphere from this device. Compliance tests described below, in conjunction with initial capture efficiency source test results, shall be used to demonstrate this control efficiency.
The owner/operator shall conduct compliance tests at least once every twelve (12) months at the concentrator outlet/oxidizer inlet, oxidizer outlet, and concentrator exhaust to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete concentrator cycles), in accordance with the MDAQMD Compliance Test Procedural Manual. VOC concentrations shall be determined in accordance with USEPA Test Methods 25, 25A, or 25B, with USEPA Test Method 18, or CARB Method 422 used to determine exempt compound concentrations.
VOC concentrations in the concentrator exhaust shall be less than 10 ppm as methane. VOC emissions to the atmosphere shall be determined as the sum of emissions from the oxidizer outlet and concentrator exhaust. The concentrator exhaust flow rate shall be assumed as the sum of maximum design flow rates from all connected spray booths if not measured as part of the compliance test procedures.

   Compliance Test Notifications, Protocols, and Results:
   a. The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol.
   b. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present.
   c. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test.
   d. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

   [Rule 1302(B)(1)(a)]

6. This thermal oxidizer shall only use PUC-regulated pipeline quality natural gas for fuel. [District Rule 1303]

OO. THERMAL OXIDIZER SYSTEM (#3) – MDAQMD PERMIT C011458 – consisting of: A Munters Zeol System, Model Number IZS-3546-TH that includes: A concentrator (a continuously rotating rotor made of zeolite (an absorptive medium), operating in three modes, adsorption, regeneration and cooling; a thermal oxidizer that utilizes one 5,780,000

Btu/hr Eclipse Ratiomatic RM500 natural gas burner set and limited to fire at a rate of 2,842,040 Btu/hr with a combustion chamber temperature of 1375 degrees Fahrenheit (+/- 75 degrees Fahrenheit) under normal operating conditions. This unit has a stack height of 20 feet and a stack diameter of 20 inches. Normal exhaust temperature is less than 900 degrees Fahrenheit at an exhaust flow rate of 3,410 standard cubic feet per minute (scfm). The natural gas low NOx burner is stated by the manufacturer to generate less than 0.15 pounds (lbs) of NOx per million British thermal units (MMBtu) and has been designed for an inlet flowrate of 36,000 scfm into the zeolite concentrator with an inlet temperature of 85 degrees Fahrenheit. This device is guaranteed by the manufacturer to achieve a destruction and removal efficiency of 95 percent. This device controls VOC emissions from the Spray Booth described in District Permit S002872.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [District Rule 1302(B)(1)(a)]

2. This thermal oxidizer shall be fully functional and operating whenever the associated spray booths listed in the above description is being used.
   [District Rule 1302(B)(1)(a)]

3. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Results of initial Capture Efficiency source test results;
   b. Results of annual Destruction Efficiency demonstrations;
   c. Monthly and rolling consecutive twelve month period VOC release records; and
   d. Descriptions of all malfunctions and corrective actions taken.
   [District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The combined VOC emissions from all equipment described in District permits S008392, S008393, S008394, S008395, S008396, S009622, S009969, C008397, C009623, and C009968 (the entire Paint and Undercoat Facility) into the atmosphere shall not exceed 3089 pounds of VOC in any consecutive twelve month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
   [District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

5. This equipment shall operate with a control efficiency of 95 percent (capture times destruction), comparing total VOC release in the booths and ovens and actual VOC

emissions exhausted to the atmosphere from this device. Compliance tests described below, in conjunction with initial capture efficiency source test results, shall be used to demonstrate this control efficiency.
The owner/operator shall conduct compliance tests at least once every twelve (12) months at the concentrator outlet/oxidizer inlet, oxidizer outlet, and concentrator exhaust to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete concentrator cycles), in accordance with the MDAQMD Compliance Test Procedural Manual. VOC concentrations shall be determined in accordance with USEPA Test Methods 25, 25A, or 25B, with USEPA Test Method 18, or CARB Method 422 used to determine exempt compound concentrations.
VOC concentrations in the concentrator exhaust shall be less than 10 ppm as methane. VOC emissions to the atmosphere shall be determined as the sum of emissions from the oxidizer outlet and concentrator exhaust. The concentrator exhaust flow rate shall be assumed as the sum of maximum design flow rates from all connected spray booths if not measured as part of the compliance test procedures.

Compliance Test Notifications, Protocols, and Results:
a. NOx as NO2: 0.43 lb/hour in normal operating mode
b. CO: 0.24 lb/hour in normal operating mode
c. PM10: 79 lbs/year
[District Rule 1303]

6. This thermal oxidizer shall only use PUC-regulated pipeline quality natural gas for fuel. [District Rule 1303]

7. Emissions from this unit shall not exceed the following limits, verified by an initial source test for NOx and CO and the sole use of PUC-regulated pipeline quality natural gas and good combustion practices for PM10:
[District Rule 1303]

8. Fuel consumption by this equipment shall not exceed 10,640,598 standard cubic feet in any consecutive 12 month period (Rolling Annual Period) (based on annual operation of 3744 hours). Records of monthly and rolling consecutive twelve month period fuel usage must be maintained onsite and made available upon request.
[District Rule 1303]

9. When in operation, the nominal reaction chamber temperature shall be maintained at 1375 degrees Fahrenheit (plus or minus 75 degrees Fahrenheit).
[District Rule 1303]

10. The o/o surrendered 2075 pounds total of NOx and 79 pounds total of PM10 Emission Reduction Credits to the District prior to the start of construction of this equipment.
[District Rule 1303]

PP. ULTRASONIC VAPOR DEGREASER, SMALL ARMS AREA – MDAQMD PERMIT D012389 – consisting of:
A Branson model B3550R batch-loaded ultrasonic vapor degreaser equipped with a pneumatically operated sliding cover. This degreaser shall only use Novec® 72DE degreasing solvent. 486 lbs of VOCs from Certificate Number 0093 were surrendered in order to permit this unit.

PERMIT CONDITIONS:

1. This tank shall be equipped with the following:
   a. 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;
   b. A vapor level control thermostat, a condenser flow switch and a spray safety switch; and
   c. A primary condenser.
   [District Rule 1104]

2. The tank must have a Freeboard Ratio greater than or equal to 0.75 while items are being degreased.
   [District Rule 1104]

3. Solvent carry-out shall be minimized by the following methods:
   a. The hoist speed must be slow enough to prevent solvent vapors from being pushed and/or pulled out of the tank. The speed of the existing hoist must not exceed 11.2 feet per minute;
   b. Rack workload arranged to promote complete drainage;
   c. Tip out any pools of solvent remaining on the cleaned parts before removing them; and
   d. Parts shall be visually dry prior to removing them.
   [District Rule 1104]

4. This batch-loaded tank can only use the solvent identified in the above description. The owner/operator must receive written approval from the District prior to changing the solvent type.
   [District Rule 1104]

5. This degreaser must be covered at all times when containing solvent except when parts are being loaded, unloaded, or while suspended and draining into the tank. Furthermore, this degreaser shall not be used with any detectable solvent leaks.
   [District Rule 1104]

6. Porous or absorbent materials such as cloth, leather, and wood shall not be degreased in this equipment.
   [District Rule 1104]

7. Owner/operator must post in a conspicuous location a label summarizing the applicable operating requirements contained in District Rule 1104(C)(2)(b). 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.
[District Rule 1104]

8. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. Material safety data sheet(s) for the solvent stored in the tank;
   b. VOC content of the solvent as used;
   c. Dates and amount of solvent added;
   d. Dates and descriptions of all repairs made to the system; and
   e. Disposal records for all waste solvent.
   [District Rule 1303(A)]

9. No more than 50 gallons of solvent may be used in any consecutive twelve month period.
[District Rules 1302(B)(1)(a) and 1303]

10. This tank can only be heated electrically.
[District Rule 1302(B)(1)(a)]

QQ. DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 609, IWTP) – MDAQMD PERMIT E004501 – consisting of:
An uncertified, in-use and existing, non-road engine manufactured in unknown with no exhaust after-treatment device installed. One Caterpillar, Diesel fired internal combustion engine Model No. 3508-DITA and Serial No. 23Z05672, After Cooled, Compression-Ignited, Turbo Charged, producing 1020 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 50.3 gal/hr. This equipment powers a 700 kW(e) Caterpillar Generator Model No. 3508 and Serial No. TBD, rated at 700 kW(e).

PERMIT CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a); 17 CCR 93115]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[17 CCR 93115.10(d)]

3. This equipment shall only be fired on diesel fuel that meets the definition of CARB Diesel Fuel per 93115.4(a)(8), or an alternative fuel that meets the requirements of 17 CCR 93115.5(a) and (b).
[District Rule 431]

4. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit.
[17 CCR 93115.6(b)(3)]

5. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
   a. Date of each use and duration of each use (in hours per hour meter);
   b. Reason for use (testing & maintenance, emergency, required emission testing);
   c. Calendar year operation in terms of fuel consumption (in gallons) and total hours;
   d. Records of all required maintenance and inspection actions listed in condition #8; and
   e. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

   [District Rule 1302(B)(1)(a); 17 CCR 93115.10(f); 40 CFR 70.6(a)(3)(ii)(b)]

6. This unit shall not be used to provide power during a voluntary agreed-to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 1302(B)(1)(a); 17 CCR 93115.6(c)(2); 40 CFR 63.6640(f)]

7. This equipment may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 1302(B)(1)(a); 17 CCR 93115.6(b)]

8. This engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, this engine is required to meet the following compliance requirements: The owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below:

a. Change oil and oil filter every 500 hours of operation or annually, whichever comes first (source has the option to utilize an oil analysis program pursuant to 40 CFR 63.6625(i) in order to extend the specified oil change requirement.);
b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and,
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR 63.6603(a) and 63.6640(a)]

9. The owner/operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply.
[40 CFR 63.6625(h)]

10. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 1302(B)(1)(a)]

11. This unit is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR Part 63, Subpart ZZZZ (NESHAP). In the event of conflict between these conditions and the ATCM or NESHAP, the more stringent requirements shall govern.
[District Rule 1302(B)(1)(a); Title 17 CCR 93115; 40 CFR 63 Subpart ZZZZ]

RR. PROPANE IC ENGINE, EMERGENCY GENERATOR (BLDG S-578 WELL #4) – MDAQMD PERMIT E005337 – consisting of:
One Ford, Propane fired internal combustion engine Model No. LSG-875I-6005-A and Serial No. 12663-1-04-98, Turbo Charged, producing 216 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 432 scf/hr. This equipment powers a Onan Corporation Generator Model No. 80GGHC42237B and Serial No. A990853230, rated at 80 Kw. Yr of Mfg 1998.

Emission Type	Est. Max Load	Unit
CO	0.0	gm/bhp-hr
NO_x	3.9	gm/bhp-hr
VOC	0.1	gm/bhp-hr

PERMIT CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a); 40 CFR 63.6625(e) and Table 6]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40CFR Subsection 63.6625(f)]

3. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time used for source testing will not be counted toward the 100 our per year limit.
[40 CFR Subsection 63.6640(f)(1)(ii)]

4. The o/o shall maintain an operations log for this engine, which shall include, at a minimum, the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District personnel on request:
   a. Date and duration of each use (in hours, from hour meter);
   b. Reason for use (testing and maintenance, emergency, required emission testing);
   c. Calendar year operation in terms of fuel consumption (in scf) and total hours; and
   d. Records of all maintenance actions performed as required in Condition 7.

   [District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b); 40 CFR 63.6655]

5. The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
[40 CFR 63.6625(h)]

6. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 1302(B)(1)(a)]

7. The owner/operator shall conduct maintenance actions and inspections in accordance with the following schedule. All inspections must occur at least annually regardless of operating hours.
   a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(j);
   b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   [40 CFR 63.6640(b), Table 2c, Table 6, and 40 CFR 63.6650(d)]

8. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 1302(B)(1)(a)]

9. No fuel other than propane may be used without prior approval of the District.
[District Rule 1302(B)(1)(a)]

SS. PROPANE IC ENGINE, EMERGENCY GENERATOR (BLDG S-600, WELL #5) – MDAQMD PERMIT E005338 – consisting of:
BLDG S-600, year of manufacture 1999. One Cummins, Propane fired internal combustion engine Model No. GTA8.3-G1 and Serial No. 45797871, After Cooled, Turbo Charged, producing 202 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 1634 scf/hr. This equipment powers a 125 kW(e) Cummins Natural Gas Engines, Inc. Generator Model No. GTA8.3-G1 and Serial No. C980713650, rated at 125 kW(e).

Emission Type	Est. Max Load	Unit
CO	0.86	gm/bhp-hr
NO_x	16.68	gm/bhp-hr
VOC	2.2	gm/bhp-hr

PERMIT CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR Subsection 63.6605]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40CFR Subsection 63.6625(f)]

3. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time used for source testing will not be counted toward the 100 hour per year limit.
[District Rule 1302(B)(1)(a); 40CFR Subsection 63.6640(f)(1)(ii)]

4. The owner/operator shall maintain a log for this unit, which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District personnel on request:

a. Date and duration of each use (in hours, from hour meter);
b. Reason for use (testing and maintenance, emergency, required emission testing);
c. Calendar year operation in terms of fuel consumption (in scf) and total hours; and
d. Records of all maintenance actions performed as required in Condition 7.

[District Rule 1302(B)(1)(a); 40 CFR Subsection 63.6655]

5. The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
[40 CFR 63.6625(h)]

6. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 1302(B)(1)(a)]

7. The owner/operator shall conduct maintenance actions and inspections in accordance with the following schedule. All inspections must occur at least annually regardless of operating hours:
   a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 63.6625(j);
   b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   [40 CFR Subsection 63.6603, table 2d]

8. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 1302(B)(1)(a)]

9. No fuel other than propane may be used without prior approval of the District.
[District Rule 1302(B)(1)(a)]

TT. PROPANE IC ENGINE, EMERGENCY GENERATOR (BLDG 484) – MDAQMD PERMIT E008109 – consisting of:
BLDG 484, year of manufacture 2001. One Cummins, Propane fired internal combustion engine Model No. GTA 12 and Serial No. 25243756, After Cooled, Turbo Charged, producing 280 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 0 other.

This equipment powers a Cummins Great Lakes Generator Model No. GTA 12 GS and Serial No. tbd, rated at 185 kW.

Emission Type	Est. Max Load	Unit
CO	2.56	gm/bhp-hr
NO_x	20.51	gm/bhp-hr
VOC	1.68	gm/bhp-hr

PERMIT CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall be operated in accordance with all data and specifications submitted with the application under which this permit is issued.
   [District Rule 1302(B)(1)(a); 40 CFR 63.6625(e) and Table 6]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
   [40CFR Subsection 63.6625(f)]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time used for source testing will not be counted toward the 100 hour per year limit.
   [40 CFR 63.6640(f)]

4. The owner/operator shall maintain a log for this engine, which shall include, at a minimum, the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District personnel on request:
   a. Date and duration of each use (in hours, from hour meter);
   b. Reason for use (testing and maintenance, emergency, required emission testing);
   c. Calendar year operation in terms of fuel consumption (in scf) and total hours; and
   d. Records of all maintenance actions performed as required in Condition 7.
   [District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b), 40 CFR 63.6655]

5. The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
   [40 CFR 63.6625(h)]

6. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand

Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 1302(B)(1)(a)]

7. Owner/operator must meet the following requirements;
   a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 63.6625(j);
   b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   [40 CFR 63.6640(b), Table 2c, Table 6, and 40 CFR 63.6650(d)]

8. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
   [District Rule 1302(B)(1)(a)]

9. No fuel other than propane may be used without prior approval of the District.
   [District Rules 1302(B)(1)(a), 431]

UU. LPG/PROPANE IC ENGINE, EMERGENCY GENERATOR (BLDG S-487, WELL #6) – MDAQMD PERMIT E008110 – consisting of:
Year of manufacture 2005. One Cummins, Propane fired internal combustion engine Model No. GTA 12 and Serial No. 25267467, After Cooled, Turbo Charged, producing 265 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 2016 scf/hr. This equipment powers a 185 kW(e) Cummins Great Lakes Generator Model No. GTA 12 GS and Serial No. E010241269, rated at 185 kW(e).

Emission Type	Est. Max Load	Unit
CO	2.56	gm/bhp-hr
NO_x	20.51	gm/bhp-hr
PM_{10}	0.01	gm/bhp-hr
$PM_{2.5}$	0.01	gm/bhp-hr
VOC	1.68	gm/bhp-hr

PERMIT CONDITIONS:

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

[District Rule 1302(B)(1)(a); 40 CFR Subsection 63.6625(e) and Table 6]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR Subsection 63.6625(f)]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time used for source testing will not be counted toward the 100 hour per year limit.
[40 CFR Subsection 63.6640(f)(1)(ii)]

4. The o/o shall maintain an operations log for this engine, which shall include, at a minimum, the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District personnel on request:
   a. Date and duration of each use (in hours, from hour meter);
   b. Reason for use (testing and maintenance, emergency, required emission testing);
   c. Calendar year operation in terms of fuel consumption (in scf) and total hours; and
   d. Records of all maintenance actions performed as required in Condition 7.

[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b), 40 CFR Subsection 63.6655]

5. The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
[40 CFR 63.6625(h)]

6. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 1302(B)(1)(a)]

7. The owner/operator shall conduct maintenance actions and inspections in accordance with the following schedule. All inspections must occur at least annually regardless of operating hours;
   a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(j);
   b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR 63.6640(b), Table 2c, Table 6, and 40 CFR 63.6650(d)]

8. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rules 1302(B)(1)(a)]

9. No fuel other than propane may be used without prior approval of the District.
[District Rules 1302(B)(1)(a)]

VV. NATURAL GAS IC ENGINE, EMERGENCY GENERATOR (BLDG 610) – MDAQMD PERMIT E008334 – consisting of:
Yr of Mfg 2001, Venting through a Miratech Model EQ-701-12-C1 catalytic converter and and MEC-2001 air/fuel ratio controller. One Cummins/Cummins Great Lakes Inc., NG fired internal combustion engine Model No. GTA 19 G1 and Serial No. 25271553, After Cooled, Ignition Retarded, Turbo Charged, producing 495 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 4058 scf/hr. This equipment powers a Stamford Generator Model No. BS 5000 and Serial No. H010276088, rated at 325 kW(e).

Emission Type	Est. Max Load	Unit
CO	8.5	gm/bhp-hr
NO_x	6.9	gm/bhp-hr
PM_{10}	0.38	gm/bhp-hr
VOC	1.0	gm/bhp-hr

PERMIT CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted this equipment shall also be operated in accordance with all data and specifications submitted with the application under which this permit is issued.
[40 CFR Subsection 63.6605]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR Subsection 63.6625(f)]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time used for source testing will not be counted toward the 100 hour per year limit.
[District Rule 1302(B)(1)(a); 40 CFR Subsection 63.6640(f)(1)(ii)]

4. The owner/operator shall maintain an operations log for this engine, which shall include, at a minimum, the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District personnel on request:
   a. Date and duration of each use (in hours, from hour meter);
   b. Reason for use (testing and maintenance, emergency, required emission testing);
   c. Calendar year operation in terms of fuel consumption (in scf) and total hours; and
   d. Records of all maintenance actions performed as required in Condition 7.

   [District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b), 40 CFR Subsection 63.6655]

5. The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
   [40 CFR 63.6625(h)]

6. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
   [District Rule 1302(B)(1)(a)]

7. The owner/operator shall conduct maintenance actions and inspections in accordance with the following schedule. All inspections must occur at least annually regardless of operating hours:
   a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(j);
   b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   [40 CFR 63.6640(b), Table 2c, Table 6, and 40 CFR 63.6650(d)]

8. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
   [District Rule 1302(B)(1)(a)]

9. No fuel other than natural gas may be used without prior approval of the District.
   [District Rules 1302(B)(1)(a), 431]

10. This unit shall emit no more than the following BACT limits, which are all expressed in grams per brake-horsepower hour:
NOx = 6.9
CO = 8.5
PM10 = 0.38
VOCs = 1.0 and Non-methane hydrocarbons of 0.3.
[District Rule 1303]

WW. NATURAL GAS IC ENGINE, EMERGENCY GENERATOR (BLDG 640) – MDAQMD PERMIT E012124 – consisting of:
Natural Gas IC Engine manufactured in 2013, USEPA Family DPWRB11.1NGP, equipped with a manufacturer-installed three way catalytic converter. Exhaust gas flow is 1211 ACFM at 1112 degrees Fahrenheit. One PSI (Doosan), NG fired internal combustion engine Model No. D111TIC and Serial No. EEIOH302863, Three-Way Catalyst (also NSCR), Four-Stroke Rich Burn, Air-To-Fuel Ratio Controller, Electronic Control Module, Spark-Ignited, producing 302 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 2115 scf/hr. This equipment powers a 200 kW(e) Kohler Generator Model No. 200REXB and Serial No. SGM3293ZF, rated at 200 kW(e).

Emission Type	Est. Max Load	Unit
CO	1.6	gm/bhp-hr
NO_x	0.15	gm/bhp-hr
PM_{10}	0.10	gm/bhp-hr
SO_x	0.019	gm/bhp-hr
VOC	0.20	gm/bhp-hr

PERMIT CONDITIONS:

1. This stationary, spark-ignited, internal combustion engine, air-fuel ratio controller, and control device (three-way catalyst) 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.
[40 CFR 60.4233(e), 60.4234, 60.4243(a),(d), and (g) - Subpart JJJJ - NSPS for Stationary Spark Ignition ICE]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Rule 1302(B)(1)(a)]

3. This unit shall only be fired on PUC-Regulated Natural Gas fuel, whose sulfur concentration is less than or equal to 0.0018% (18 ppm) on a weight per weight basis.
[District Rules 431 and 1303]

4. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to

District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

a. Date of each use and duration of each use (in hours);
b. Reason for each use (testing & maintenance, emergency, emission testing, etc.);
c. Monthly and calendar year operation in terms of total hours; and
d. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst.

[District Rules 1302(B)(1)(a) and 1302; 40 CFR 60.4245, 40 CFR 1048]

5. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 1302]

6. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[40 CFR 60.4243(d), 60.4248]

7. This engine shall be source tested in accordance with the procedures outlined in 40 CFR 60.4244 within 90 days after the three-way catalyst is replaced. The source testing shall verify that the following emission limits are not exceeded:
NOx: 0.15 g/bhp-hr
VOC: 0.20 g/bhp-hr
CO: 1.60 g/bhp-hr
PM10: 0.10 g/bhp-hr
[District Rule 1302(B)(1)(a); 40 CFR 60.4244]

8. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 100 hour per year limit.
[District Rule 1302(B)(1)(a); 40 CFR 60, Subpart JJJJ]

9. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ).
[District Rule 1302(B)(1)(a); 40 CFR 60, Subpart JJJJ]

XX. DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 580) – MDAQMD PERMIT E012340 – consisting of:

A certified Tier III diesel engine producing 530 bhp, EPA Family EFPXL12.9IGR, manufactured in 2014 with no exhaust after-treatment device installed. Exhaust flow is 2988 ACFM at 1076 degrees Fahrenheit. One Iveco/FPT, Diesel fired internal combustion engine Model No. F3BE9685A-E and Serial No. E003-231547, After Cooled, Compression-Ignited, Direct Injected, Electronic Control Module, Turbo Charged, producing 530 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 27 gal/hr. This equipment powers a 350 kW(e) Generac Generator Model No. SD350KG17129D18HPYY3 and Serial No. 9255372, rated at 350 kW(e).

Emission Type	Est. Max Load	Unit
CO	0.60	gm/bhp-hr
NO_x + NMHC	2.80	gm//bhp-hr
PM10	0.13	gm//bhp-hr
SO_x	0.005	gm//bhp-hr

PERMIT CONDITIONS:

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 for this permit.
   [District Rule 1302(B)(1)(a); 40 CFR 60.4211]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
   [Title 17 CCR 93115.10(d); 40 CFR 60.4209]

3. This engine shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:
   a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   b. A cetane index or aromatic content, as follows:
      i. A minimum cetane index of 40; or
      ii. A maximum aromatic content of 35 volume percent.
      Note: Use of CARB certified ULSD fuel satisfies the above requirements.
   [17 CCR 93115.5(a) and 40 CFR 80.510(b)]

4. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per rolling consecutive twelve month period for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour rolling annual limit.
   STATE AND DISTRICT ENFORCEABLE ONLY
   [District Rule 1302(B)(1)(a); 17 CCR 93115.6(b)]

5. This unit shall be limited to emergency use only, as defined in 40 CFR 60.4219. In addition, this unit shall be operated no more than 100 hours per rolling consecutive twelve month period for testing and maintenance, including compliance source testing. [District Rule 1302(B)(1)(a); 40 CFR 60.4211(f)]

6.

7. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Date of each use and duration of each use (in hours per hour meter);
   b. Reason for use (testing & maintenance, emergency, required emission testing);
   c. Calendar year operation in terms of fuel consumption (in gallons or total hours);
   d. Records of all maintenance and inspections; and,
   e. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

   [District Rule 1302(B)(1)(a); 17 CCR 93115.10(f); 40 CFR 70.6(a)(3)(ii)(b), 40 CFR 60.4214]

8. This unit shall not be used to provide power during a voluntarily agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
   [District Rule 1302(B)(1)(a); 17 CCR 93115.6(a); 40 CFR 60.4211 and 60.4219]

9. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
   [District Rule 1302(B)(1)(a); 17 CCR 93115.6(a)]

10. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines, and 40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.
    [District Rule 1302(B)(1)(a)]

YY. NATURAL GAS IC ENGINE, EMERGENCY GENERATOR (BLDG 573) – MDAQMD PERMIT E012452 – consisting of:
A natural gas fueled IC engine manufactured in 2014, with a maximum horsepower rating of 176 bhp and a maximum fuel flow of 1,090 scfh. This engine is equipped with a factory-installed three-way Catalytic Converter and an Air-to-Fuel Ratio Controller. Exhaust flow is 625 acfm at 1063 degrees Fahrenheit through an 8 foot tall stack measuring 4 inches in diameter. One Cummins, NG fired internal combustion engine Model No. WSG-1068 and Serial No. TBD, Three-Way Catalyst (also NSCR), After Cooled, Air-To-Fuel Ratio

Controller, Electronic Control Module, Spark-Ignited, Turbo Charged, producing 176 bhp with 10 cylinders at 1800 rpm while consuming a maximum of 1090 scf/hr. This equipment powers a 100 kW(e) Cummins Generator Model No. 100GGHH and Serial No. TBD, rated at 100 kW(e).

Emission Type	Est. Max Load	Unit
CO	4.00	gm/bhp-hr
NO_x	2.00	gm/bhp-hr
PM_{10}	0.01	gm/bhp-hr
SO_x	0.017	gm/bhp-hr
VOC	1.00	gm/bhp-hr

PERMIT CONDITIONS:

1. This stationary, spark-ignited, internal combustion engine, air-fuel ratio controller, and control device (three-way catalyst) 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.
   [40 CFR 60.4233(e), 60.4234, 60.4243(a),(d), and (g) - Subpart JJJJ - NSPS for Stationary Spark Ignition ICE]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
   [District Rule 1302(B)(1)(a)]

3. This unit shall only be fired on PUC-Regulated Natural Gas fuel, whose sulfur concentration is less than or equal to 0.0018% (18 ppm) on a weight per weight basis.
   [District Rules 431 and 1303]

4. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Date of each use and duration of each use (in hours);
   b. Reason for each use (testing & maintenance, emergency, emission testing, etc.);
   c. Monthly and calendar year operation in terms of total hours; and
   d. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst.

   [District Rules 1302(B)(1)(a) and 1302; 40 CFR 60.4245, 40 CFR 1048]

5. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
   [District Rule 1302]

6. This unit shall not be used to provide power during a voluntarily agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[40 CFR 60.4243(d), 60.4248]

7. This engine shall be source tested in accordance with the procedures outlined in 40 CFR 60.4244 within 90 days after the three-way catalyst is replaced. The source testing shall verify that the following emission limits are not exceeded:
NOx: 0.15 g/bhp-hr
VOC: 0.20 g/bhp-hr
CO: 1.60 g/bhp-hr
PM10: 0.10 g/bhp-hr
[District Rule 1302(B)(1)(a), 40 CFR 60.4244]

8. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 100 hour per year limit.
[District Rule 1302(B)(1)(a); 40 CFR 60, Subpart JJJJ]

9. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ).
[District Rule 1302(B)(1)(a); 40 CFR 60, Subpart JJJJ]

ZZ. DIESEL IC ENGINE, EMERGENCY GENERATOR – MDAQMD PERMIT E014662 – consisting of: A Certified Tier 3 diesel engine, USEPA family NCEXL0275AAK, manufactured in 2020. Exhaust flow approximately 764 acfm, at 769 degrees Fahrenheit through a TBD foot high by 4 inch diameter exhaust stack. One Cummins, Diesel fired internal combustion engine Model No. QSB5-G13 and Serial No. TBD, Turbo Charged, Charge Air Cooler, producing 173 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 7.3 gal/hr. This equipment powers a Cummins Generator Model No. C80D6C and Serial No. TBD, rated at 80 kW.

Emission Type	Est. Max Load	Unit
CO	0.70	gm/bhp-hr
NO_x	2.66	gm/bhp-hr
NO_x + NMHC	2.80	gm/bhp-hr
PM_{10}	0.110	gm/bhp-hr
SO_x	0.0040	gm/bhp-hr
VOC	0.14	gm/bhp-hr

PERMIT CONDITIONS:

1. This certified Tier 3 stationary compression-ignited internal combustion engine, and any associated air pollution control equipment, shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [40 CFR 60.4211(a)]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
   [17 CCR 93115.10(d)]

3. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:
   a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   b. A cetane index or aromatic content, as follows:
      i. A minimum cetane index of 40; or,
      ii. A maximum aromatic content of 35 volume percent.

   [17 CCR 93115.5(a), 40 CFR 80.510(b), and 40 CFR 60.4207(b)] Note: Use of CARB certified ULSD fuel satisfies these requirements

4. This engine shall be limited to use for emergency power, defined as in response to a fire or flood, or when commercially available power has been interrupted. In addition, this engine shall be operated no more than 50 hours per year for testing and maintenance. Except as provided in 40 CFR 63.6640(f)(4)(ii), the 50 hours of non-emergency use cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
   [17 CCR 93115.6(a)(3)(A)(1)(c)]

5. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of three (3) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
   a. Date(s) of each use and hours of operation;
   b. Reason for use (regular testing & maintenance, NFPA testing & maintenance, emergency, etc.);
   c. Monthly and rolling 12 month period operation in terms of fuel consumption (in gallons) and/or total hours (both emergency and non-emergency use, classified as described in b. above);
   d. Fuel sulfur concentration as required by condition #3 (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
   e. Maintenance performed on this equipment.

[17 CCR 93115.10(f)]

6. This equipment may operate in response to an impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time. The engine may be operated no more than 30 minutes prior to the forecasted outage and must be shut down immediately after the utility advises that the outage is no longer imminent or in effect. Such operation is classified as non-emergency use and is subject to the 50 non-emergency hours (testing & maintenance) as specified under condition 4.
[17 CCR 93115.6(a)(2)]

7. This equipment shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[17 CCR 93115.6(c)(1)(C)]

8. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.
[District Rule 1302]

AAA. DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 558) – MDAQMD PERMIT E014917 – consisting of: A Certified Tier 3 diesel engine, USEPA family NKHXL03.4TCG, manufactured in 2022. Exhaust flow approximately 310 acfm, at 880 degrees Fahrenheit through a TBD foot high by 2.5 inch diameter exhaust stack. One Kholer, Diesel fired internal combustion engine Model No. KDI 3404TCR and Serial No. TBD, Turbo Charged, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Electronic Control Module, producing 86 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 4.0 gal/hr. This equipment powers a Kohler Generator Model No. 50REOZK and Serial No. TBD, rated at 51 kW.

Emission Type	Est. Max Load	Unit
CO	0.0149	gm/bhp-hr
NO_x	1.864	gm/bhp-hr
NO_x + NMHC	0.0224	gm/bhp-hr
PM_{10}	0.0221	gm/bhp-hr
SO_x	0.0044	gm/bhp-hr
VOC	0.0075	gm/bhp-hr

PERMIT CONDITIONS:

1. This certified Tier 3 stationary compression-ignited internal combustion engine, and any associated air pollution control equipment, shall be installed, operated, and

maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 60.4211(a)]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[17 CCR 93115.10(d)]

3. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:
   a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
   b. A cetane index or aromatic content, as follows:
      i. A minimum cetane index of 40; or,
      ii. A maximum aromatic content of 35 volume percent.

   [17 CCR 93115.5(a), 40 CFR 80.510(b), and 40 CFR 60.4207(b)] Note: Use of CARB certified ULSD fuel satisfies these requirements

4. This engine shall be limited to use for emergency power, defined as in response to a fire or flood, or when commercially available power has been interrupted. In addition, this engine shall be operated no more than 50 hours per year for testing and maintenance. Except as provided in 40 CFR 63.6640(f)(4)(ii), the 50 hours of non-emergency use cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
[17 CCR 93115.6(a)(3)(A)(1)(c)]

5. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of three (3) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
   a. Date(s) of each use and hours of operation;
   b. Reason for use (regular testing & maintenance, NFPA testing & maintenance, emergency, etc.);
   c. Monthly and rolling 12 month period operation in terms of fuel consumption (in gallons) and/or total hours (both emergency and non-emergency use, classified as described in b. above);
   d. Fuel sulfur concentration as required by condition #3 (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
   e. Maintenance performed on this equipment.

   [17 CCR 93115.10(f)]

6. This equipment may operate in response to an impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time. The engine may be operated no more than 30 minutes prior to the forecasted outage and must be shut down immediately after the utility advises that the outage is no longer imminent or in effect. Such operation is classified as non-emergency use and is subject to the 50 non-emergency hours (testing & maintenance) as specified under condition 4.
[17 CCR 93115.6(a)(2)]

7. This equipment shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[17 CCR 93115.6(c)(1)(C)]

8. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.

[District Rule 1302]

BBB. E85 DISPENSING FACILITY (BLDG 591) – MDAQMD PERMIT G014375 – consisting of:

Fuel Tanks:

Tank No.	Material Stored	Volume (US Gallons)	Above/Underground
1	Bio-Dsl	10,000	Above Ground
2	E85	10,000	Above Ground
3	F-24	10,000	Above Ground
4	F-24	10,000	Above Ground

Dispensing Equipment:

Fuel Type	Quantity
E85	2

Vapor Control Equipment:

Type	Equipment Name	Compliance
PI	DP	G-70-102-A
PII	N/A	N/A

PERMIT CONDITIONS:

1. The owner/operator shall conspicuously post, in the gasoline dispensing area, the operating instructions and the district's tollfree telephone number for complaints (1-800-635-4617).
[District Rule 461 - Gasoline Transfer and Dispensing]

2. The owner/operator shall maintain a log of all inspections; maintenance and repairs; and throughput on equipment. Such logs or records shall be maintained at the facility for at least two (2) years and shall be available to the District upon request.
[District Rule 461 - Gasoline Transfer and Dispensing]

3. The District must be notified when installation of all piping and control fittings is completed. Vapor control piping and fittings must remain exposed until the District has inspected the installation or given approval to complete backfill. The District must also be notified within ten days following completion of all modifications. Notification may be made via phone, or via email to reporting@mdaqmd.ca.gov.
[District Regulation XIII - NSR]

4. Any modifications or changes to the piping, control fittings, or configurations of the vapor recovery system require prior approval from the District.
[District Rules 461, Regulation XIII - NSR]

5. This tank shall meet the requirements of Executive Order VR-301-A, Standing Loss Controls for an existing tank; the tank shall be coated with approved materials; vapor vent pipes shall be equipped with PV vent valve shall be per EO VR-301-A; Husky 5885. Records of associated activity shall be kept and made available to District Personnel upon request.

6. The owner or operator shall conduct and pass the following tests annually using the latest adopted version of the following test procedures:
   a. Pressure Decay Tests per CARB test method TP-201.3B.
   b. Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves per TP-201.1E;
   c. Liquid Removal Test (if applicable) per TP-201.6; d) If a FFS PV-Zero P/V vent valve is used, tests shall be conducted with the valve remaining in its installed position on the vent line(s) in accordance with PV-Zero section of the applicable ARB-Approved Installation, Operation and Maintenance Manual.
   d. Emergency vents and manways shall be leak free when tested at the operating pressure of the tank in accordance with CARB test methods, as specified in Title 17, California Code of Regulations, per CARB Method 21; a leak is defined as a meter concentration of 10,000 ppmv as methane or higher. http://www.arb.ca.gov/testmeth/vol1/Meth21_clean.pdf The District shall be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests. Testing notifications and testing results may be sent to VaporRecoveryTesting@mdaqmd.ca.gov .

   [District Rule 461, CARB Executive Order VR-301]

7. The annual throughput of E85 ethanol and gasoline blend fuel shall not exceed 600,000 gallons. Throughput records shall be kept on site and available to District personnel upon request, and annual throughput for the previous calendar year shall be provided to the District not later than the last day of February of each year. Before this annual throughput can be increased the facility may be required to submit to the District a site specific Health Risk Assessment (HRA) in accord with a District approved plan. In addition, a public notice and/or comment period may be required.
[District Rules 1302(B)(1)(a), 1320]

8. The o/o shall maintain and operate Phase I System in compliance with CARB Executive Order G-70-102-A. E85 fuel dispensing is exempt from Phase II Vapor Recovery, as there are no CARB Certified systems for E85, and all flex vehicles using E85 are ORVR equipped. Hanging hardware, including hoses, nozzles and breakaways shall be specific to E85 dispensing as evidenced by yellow E85 markers.
[District Rule 1302]

9. This equipment is a modification of the equipment covered under District Permit G010744, which shall be surrendered and canceled upon issuance of the Authority to Construct for this equipment.

CCC. PAINT SPRAY BOOTH (BLDG 573, AREA 18) – MDAQMD PERMIT S002872 – consisting of:
North (Bay 3), Binks Model No. TF-644-T-LH as follows: Volume of Booth: 14,400 cu ft , (20' w x 40' l x 18' h) Air Flow Rate: 35,800 ACFM, 1 15 hp Motors: 2 @ 7.5 hp each "Pressure Drop Range: 0.25"- 2.5" W.C. Air is circulated by means of a 15,000 ACFM blower powered by a 15 hp electric motor. Two-stage filter system consisting of 54 filter pads and 54 bag filters, each measuring 20 inches x 20 inches.

PERMIT CONDITIONS:

1. This equipment (and related application equipment) shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued below.
[District Rule 1302(B)(1)(a)]

2. All coatings, diluents, thinners, and solvents used within this paint booth shall comply with Rules 442, 1113, 1114, 1115, 1116 and 1118 as applicable. These rules pertain toUsage of Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework and Component Manufacturing Operations.
[Rules 442, 1113, 1114, 1115, 1116, and 1118]

3. . The owner/operator (o/o) shall maintain an operations log for this spray booth current and on-site (or at a central location) for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information (NOTE: The daily log information provides a basis for the Toxic Emission Inventory required by AB 2588.):
   a. Type and VOC limit under each applicable rule for each coating and solvent used (preparation, thinning, cleanup or other);
   b. Quantity used (in gallons) and VOC content (in pounds per gallon or grams per liter) for each type of coating and solvent used;
   c. The equipment used, the method of application, and the type of substrate for each use;
   d. Total VOC emissions for each day and month of operation, total VOC emissions for each rolling twelve month period, and 30- day rolling average emissions of non-VOC organic solvents; and,
   e. Differential pressure readings across the exhaust filters.

   [District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods unless prior written approval is obtain from the District.
   [District Rules 1302(B)(1)(a), 1113, 1114, 1115, 1116, and 1118]

5. Coating or solvent use shall not occur within this booth without the enclosure being vented to the air pollution control system under valid District permit C011458.
   [District Rule 1302(B)(1)(a)]

6. Spray booth discharge filters shall be installed/maintained in a tightly mounted and dimensionally stable condition, free of excessive deposits or interference with air flow passages. The pressure drop across the discharge filters shall be within the manufacturer's/designer's recommended range of 0.25-2.5 inches WC.If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.
   Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.
   [District Rules 1302(B)(1)(a), 1320]

7. The o/o shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium (Section 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings). Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request.
   [District Rule 1116; 17 CCR 93112]

8. This facility shall not spray apply, to metal and plastic surfaces, coatings that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor, conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD if this facility will use any of the above toxic metals and/or MeCl for additional permits requirements.
[40 CFR 63, Subpart HHHHHH]

DDD. PAINT SPRAY BOOTH (BLDG 573, AREA 18 NORTH, BAY 2) – MDAQMD PERMIT S002873 – consisting of:
North (Bay 2), Binks Model No. TF-644-T-LH as follows: Volume of Booth: 14,400 cu ft , (20 feet w x 40 feet l x 18 feet h) Air Flow Rate: 35,800 ACFM, 1 15 hp Motors: 2 @ 7.5 hp each "Pressure Drop Range: 0.25"- 2.5" W.C. Air is circulated by means of a 15,000 ACFM blower powered by a 15 hp electric motor. Two-stage filter system consisting of 54 filter pads and 54 bag filters, each measuring 20 inches x 20 inches.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. All coatings, diluents, thinners, and solvents used within this paint booth shall comply with Rules 442, 1113, 1114, 1115, 1116 and 1118 as applicable. These rules pertain to Usage of Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework and Component Manufacturing Operations.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

3. The owner/operator (o/o) shall maintain current and on-site for a minimum of five (5) years a daily operational log (for each day the equipment is in operation). This daily log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information (NOTE: The daily log information provides a basis for the Toxic Emission Inventory required by AB 2588.):
   a. Type and VOC limit under each applicable rule for each coating and solvent used (preparation, thinning, cleanup or other);
   b. Quantity used (in gallons) and VOC content (in pounds per gallon or grams per liter) for each type of coating and solvent used;
   c. The equipment used, the method of application, and the type of substrate for each use;

d. Total VOC emissions for each day and month of operation, total VOC emissions for each rolling twelve month period, and 30- day rolling average emissions of non-VOC organic solvents; and,

e. Differential pressure readings across the exhaust filters.

[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods unless prior written approval is obtain from the District.
[District Rules 1302(B)(1)(a), 1113, 1114, 1115, 1116, and 1118]

5. Coating or solvent use shall not occur within this booth without the enclosure being vented to the air pollution control system under valid District permit C010859.
[District Rule 1302(B)(1)(a)]

6. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.25 and 2.5 inches of water column as currently recommended by the manufacturer. If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.
Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.
[District Rules 1302(B)(1)(a), 1320]

7. The o/o shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium (Section 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings). Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request.
[District Rule 1116; 17 CCR 93112]

8. This facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor, conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD if this facility will use the above toxic metal and/or MeCl for additional permits requirements.
[40 CFR 63, Subpart HHHHHH]

EEE. FINAL COAT BOOTH (BLDG 634) – MDAQMD PERMIT S002876 – consisting of: One 18 feet high by 60 feet wide by 70 feet long booth, TECD601870, with 112 intake filters, each 20 inches x 20 inches , two stage exhaust filtration (140 filter pads and a two-

stage exhaust filter system consisting of a blanket filter and 140 second stage filter pads, each 20 inches x 20 inches), with 60,000 cfm of air flow.

PERMIT CONDITIONS:

1. This equipment (and related application equipment) shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued below.
[District Rule 1302(B)(1)(a)]

2. All coatings, diluents, thinners, and solvents used within this paint booth shall comply with Rules 442, 1113, 1114, 1115, 1116 and 1118 as applicable. These rules pertain to Photochemically Reactive Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework and Component Manufacturing Operations.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

3. The owner/operator (o/o) shall maintain an operations log for this spray booth current and on-site (or at a central location) for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information (NOTE: The daily log information provides a basis for the Toxic Emission Inventory required by AB 2588.):
   a. Type and VOC limit under each applicable rule for each coating and solvent used (preparation, thinning, cleanup or other);
   b. Quantity used (in gallons) and VOC content (in pounds per gallon or grams per liter) for each type of coating and solvent used;
   c. The equipment used, the method of application, and the type of substrate for each use;
   d. Total VOC emissions for each day and month of operation, total VOC emissions for each rolling twelve month period, and 30- day rolling average emissions of non-VOC organic solvents; and,
   e. Differential pressure readings across the exhaust filters.
   [District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods unless prior written approval is obtain from the District.
[District Rule 1302(B)(1)(a), 1113, 1114, 1115 and 1116]

5. Spray booth discharge filters shall be installed/maintained in a tightly mounted and dimensionally stable condition, free of excessive deposits or interference with air flow passages. The pressure drop across the discharge filters shall be within the manufacturer's/designer's recommended range of 0.25-2.5 inches WC. If a change in

any filter type requires a modification to this range, the District shall be notified in writing prior to the change. Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.
[District Rule 1302(B)(1)(a), 1320]

6. The o/o shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request.
[District Rule 1302(B)(1)(a), 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings]

7. This facility shall not spray apply, to metal and plastic surfaces, coatings that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor, conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD if this facility will use any of the above toxic metals and/or MeCl for additional permits requirements.
[40 CFR 63, Subpart HHHHHH]

8. Solvent usage not subject to District Regulation XI limits shall be compliant with Facility VOC and non-VOC solvent emissions limitations as defined in District Rule 442.
[District Rule 442]

FFF. PAINT SPRAY BOOTH (BLDG 573, AREA 18, BOOTH no. 1) – MDAQMD PERMIT S004558 – consisting of:
A modified Golden West Mfg. model # 2060 measuring 20 feet wide x 60 feet long x 18 feet high, with an associated hot water heated drying oven
Total air flow is 36,000 acfm, with 13,000 acfm being recirculated back into the booth and 23,000 acfm flowing to the thermal oxidizer described in District Permit C010858
Total of 72 exhaust filters, each measuring 20 inches by 20 inches

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall be operated in accordance with all data and specifications submitted with the application under which this permit is issued.
[District Rule 1302(B)(1)(a)]

2. All coatings, diluents, thinners and solvents used within this paint booth shall comply with District Rules 442, 1113, 1114, and 1115, 1116, and 1118 in their entirety as applicable. These rules pertain to Usage of Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework and Component Manufacturing Operations.
[District Rules 442, 1113, 1114, 1115, and 1116, and 1118]

3. The owner/operator (o/o) shall maintain an operations log for this spray booth current and on-site (or at a central location) for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information (NOTE: The daily log information provides a basis for the Toxic Emission Inventory required by AB 2588.):
   a. Type and VOC limit under each applicable rule for each coating and solvent used (preparation, thinning, cleanup or other);
   b. Quantity used (in gallons) and VOC content (in pounds per gallon or grams per liter) for each type of coating and solvent used;
   c. The equipment used, the method of application, and the type of substrate for each use;
   d. Total VOC emissions for each day and month of operation, total VOC emissions for each rolling twelve month period, and 30- day rolling average emissions of non-VOC organic solvents; and,
   e. Differential pressure readings across the exhaust filters.

   [District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b); Rule 1203(D)(1)(d)(ii)]

4. The owner/operator shall not use an application method other than HVLP spray guns, hand-held Aerosol Coating Products or Hand Application methods unless prior written approval is obtained from the District.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

5. Coating or solvent use shall not occur within this booth without the enclosure being vented to the air pollution control system under valid District permit C010858. [Solvent usage not subject to District Regulation XI limits shall be compliant with Facility VOC and non-VOC solvent emissions limitations as defined in District Rule 442.
[District Rule 1302(B)(1)(a)]

6. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.25 and 2.5 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.
Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.

[District Rules 1302(B)(1)(a) and 1320]

7. The owner/operator shall not use any Motor Vehicle or Mobile Equipment Coating that contains hexavalent chromium or cadmium. Compliance with this condition shall be verified by retention of MSDS sheets (or equivalent documentation of chemical content) for applicable coating used at the facility for five (5) years, and provision of said information to District, State, or federal personnel upon request.
[Title 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings]

8. This facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor, conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD if this facility will use the above toxic metal and/or MeCl for additional permits requirements.
[40 CFR 63, Subpart HHHHHH]

GGG. BASE COAT BOOTH (NO. 1, BLDG 634) – MDAQMD PERMIT S008392 – consisting of:
One 18 feet high by 30 feet wide by 60 feet long booth, TECD301860DT, with 108 intake filters, each 20 inches x 20 inches , two stage exhaust filtration (108 filter pads and 108 bag filters, each 20 inches x 20 inches), with 57,000 cfm of air flow.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. All coatings, diluents, thinners and solvents used within this paint booth shall comply with District Rules 442, 1113, 1114, and 1115, 1116, and 1118 in their entirety as applicable. These rules pertain to Usage of Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework and Component Manufacturing Operations.
[District Rules 442, 1113, 1114, 1115, and 1116, and 1118]

3. The owner/operator (o/o) shall maintain an operations log for this spray booth current and on-site (or at a central location) for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information (NOTE: The daily log information provides a basis for the Toxic Emission Inventory required by AB 2588.):

a. Type and VOC limit under each applicable rule for each coating and solvent used (preparation, thinning, cleanup or other);
b. Quantity used (in gallons) and VOC content (in pounds per gallon or grams per liter) for each type of coating and solvent used;
c. The equipment used, the method of application, and the type of substrate for each use;
d. Total VOC emissions for each day and month of operation, total VOC emissions for each rolling twelve month period, and 30- day rolling average emissions of non-VOC organic solvents; and,
e. Differential pressure readings across the exhaust filters.

[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than HVLP spray guns, hand-held Aerosol Coating Products or Hand Application methods unless prior written approval is obtained from the District.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

5. Coating or solvent use shall not occur within this booth without the enclosure being vented to the air pollution control system under valid District permit C008397.
[District Rule 1302(B)(1)(a)]

6. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.25 and 2.5 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.
Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.
[District Rules 1302(B)(1)(a) and 1320]

7. The o/o shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request.
[District Rule 1116; 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings]

8. This facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor, conduct any paint stripping operations on any substrate that use methylene

chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD if this facility will use the above toxic metal and/or MeCl for additional permits requirements. [40 CFR 63, Subpart HHHHHH]

9. This equipment, combined with emissions from units permitted under Permit numbers C008397 and C009623 (the entire Paint and Undercoat Facility) shall not emit more than 3098 pounds of VOCs into the atmosphere in any one consecutive twelve (12) month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations. [District Rule 1302(B)(1)(a)]

HHH. BASE COAT BOOTH (NO. 4, BLDG 634) WITH CURING OVEN – MDAQMD PERMIT S008393 – consisting of:
One 16 feet high by 20 feet wide by 45 feet long booth, TECD201860PDT, with 64 intake filters, each 20 inches x 20 inches, and a three-stage exhaust filtration (a blanket filter; 64 exhaust filter pads, each 20 inches x 20 inches; and 64 bag filters, each 20 inches x 20 inches), with total air flow of 32,000 cfm. One 120 degree Fahrenheit curing oven, 16 feet high by 20 feet wide by 45 feet long, TECD, heated by 2 MMBtu/hr natural gas heater, with 750 cfm of exhaust, 4800 cfm of exhaust purge and 57,600 cfm of circulation air.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [District Rule 1302(B)(1)(a)]

2. All coatings, diluents, thinners and solvents used within this paint booth shall comply with District Rules 442, 1113, 1114, and 1115, 1116, and 1118 in their entirety as applicable. These rules pertain to Usage of Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework and Component Manufacturing Operations. [District Rules 442, 1113, 1114, 1115, and 1116, and 1118]

3. The owner/operator (o/o) shall maintain an operations log for this spray booth current and on-site (or at a central location) for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information (NOTE: The daily log information provides a basis for the Toxic Emission Inventory required by AB 2588.):
   a. Type and VOC limit under each applicable rule for each coating and solvent used (preparation, thinning, cleanup or other);

b. Quantity used (in gallons) and VOC content (in pounds per gallon or grams per liter) for each type of coating and solvent used;
c. The equipment used, the method of application, and the type of substrate for each use;
d. Total VOC emissions for each day and month of operation, total VOC emissions for each rolling twelve month period, and 30- day rolling average emissions of non-VOC organic solvents; and,
e. Differential pressure readings across the exhaust filters.

[Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than HVLP spray guns, hand-held Aerosol Coating Products or Hand Application methods unless prior written approval is obtained from the District.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

5. Coating operations or solvent use shall not occur within this booth, and curing shall not occur within this curing oven, without the enclosure being vented to the air pollution control system under valid District permit C008397.
[District Rule 1302(B)(1)(a)]

6. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.25 and 2.5 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change. Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.
[District Rules 1302(B)(1)(a) and 1320]

7. The o/o shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request.
[District Rule 1302(B)(1)(a), 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings]

8. This facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor, conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD if this facility will use the above toxic metal and/or MeCl for additional permits requirements.
[40 CFR 63, Subpart HHHHHH]

9. This equipment, combined with emissions from units permitted under Permit numbers C008397 and C009623 (the entire Paint and Undercoat Facility) shall not emit more than 3098 pounds of VOCs into the atmosphere in any one consecutive twelve (12) month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
[District Rule 1302(B)(1)(a)]

10. The oven shall be fired on utility grade natural gas or liquefied petroleum gas.
[District Rule 431]

III. BASE COAT BOOTH (NO. 8, BLDG 634) WITH CURING OVEN – MDAQMD PERMIT S008394 – consisting of:
One 12 feet high by 20 feet wide by 35 feet long booth, TECD201235PSB, with 40 intake filters, each 20 inches x 20 inches and two stage exhaust filtration (40 exhaust filter pads and bag filters, each 20 inches x 20 inches), with total air flow of 24,000 cfm. One 120 degree Fahrenheit curing oven, 12 feet high by 16 feet 6 inches wide by 24 feet long, TECD, heated by 1 MMBtu/hr natural gas heater, with 360 cfm of exhaust, 1584 cfm of exhaust purge and 23,760 cfm of circulation air.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. All coatings, diluents, thinners and solvents used within this paint booth shall comply with District Rules 442, 1113, 1114, and 1115, 1116, and 1118 in their entirety as applicable. These rules pertain to Usage of Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework and Component Manufacturing Operations.
[District Rules 442, 1113, 1114, 1115, and 1116, and 1118]

3. The owner/operator (o/o) shall maintain an operations log for this spray booth current and on-site (or at a central location) for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information (NOTE: The daily log information provides a basis for the Toxic Emission Inventory required by AB 2588.):
   a. Type and VOC limit under each applicable rule for each coating and solvent used (preparation, thinning, cleanup or other);

b. Quantity used (in gallons) and VOC content (in pounds per gallon or grams per liter) for each type of coating and solvent used;
c. The equipment used, the method of application, and the type of substrate for each use;
d. Total VOC emissions for each day and month of operation, total VOC emissions for each rolling twelve month period, and 30- day rolling average emissions of non-VOC organic solvents; and,
e. Differential pressure readings across the exhaust filters.

[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than HVLP spray guns, hand-held Aerosol Coating Products or Hand Application methods unless prior written approval is obtained from the District.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

5. Coating or solvent use shall not occur within this booth, and curing shall not occur within this curing oven, without the enclosure being vented to the air pollution control system under valid District permit C008397.
[District Rule 1302(B)(1)(a)]

6. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.25 and 2.5 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.
Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.
[District Rules 1302(B)(1)(a) and 1320]

7. The o/o shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request.
[District Rule 1302(B)(1)(a), 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings]

8. This facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor, conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD if this facility will use the above toxic metal and/or MeCl for additional permits requirements.

[40 CFR 63, Subpart HHHHHH]

9. This equipment, combined with emissions from units permitted under Permit numbers C008397 and C009623 (the entire Paint and Undercoat Facility) shall not emit more than 3098 pounds of VOCs into the atmosphere in any one consecutive twelve (12) month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
[District Rule 1302(B)(1)(a)]

10. The oven shall be fired on utility grade natural gas.
[District Rule 431]

JJJ. PRIME COAT BOOTH (NO. 10, BLDG 634) WITH CURING OVEN – MDAQMD PERMIT S008395 – consisting of:
One 18 feet high by 20 feet wide by 60 feet long booth, TECD201860PDT, with 90 intake filters, each 20 inches x 20 inches, and two stage exhaust filtration (90 exhaust filter pads and bag filters, each 20 inches x 20 inches), with total air flow of 39,000 cfm. One 120 degree Fahrenheit curing oven, 18 feet high by 20 feet wide by 45 feet long, TECD, heated by 2 MMBtu/hr natural gas heater, with 750 cfm of exhaust, 5400 cfm of exhaust purge and 64,800 cfm of circulation air.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. All coatings, diluents, thinners and solvents used within this paint booth shall comply with District Rules 442, 1113, 1114, and 1115, 1116, and 1118 in their entirety as applicable. These rules pertain to Usage of Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework and Component Manufacturing Operations.
[District Rules 442, 1113, 1114, 1115, and 1116, and 1118]

3. The owner/operator (o/o) shall maintain an operations log for this spray booth current and on-site (or at a central location) for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information (NOTE: The daily log information provides a basis for the Toxic Emission Inventory required by AB 2588.):
   a. Type and VOC limit under each applicable rule for each coating and solvent used (preparation, thinning, cleanup or other);

b. Quantity used (in gallons) and VOC content (in pounds per gallon or grams per liter) for each type of coating and solvent used;
c. The equipment used, the method of application, and the type of substrate for each use;
d. Total VOC emissions for each day and month of operation, total VOC emissions for each rolling twelve month period, and 30- day rolling average emissions of non-VOC organic solvents; and,
e. Differential pressure readings across the exhaust filters.

[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than HVLP spray guns, hand-held Aerosol Coating Products or Hand Application methods unless prior written approval is obtained from the District.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

5. Coating or solvent use shall not occur within this booth, and curing shall not occur within this curing oven, without the enclosure being vented to the air pollution control system under valid District permit C008397.
[District Rule 1302(B)(1)(a)]

6. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.25 and 2.5 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.
Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.
[District Rules 1302(B)(1)(a) and 1320]

7. The o/o shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request.
[District Rule 1302(B)(1)(a), 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings]

8. This facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor, conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD if this facility will use the above toxic metal and/or MeCl for additional permits requirements.

[40 CFR 63, Subpart HHHHHH]

9. This equipment, combined with emissions from units permitted under Permit numbers C008397 and C009623 (the entire Paint and Undercoat Facility) shall not emit more than 3098 pounds of VOCs into the atmosphere in any one consecutive twelve (12) month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
[District Rule 1302(B)(1)(a)]

10. This equipment shall be fired on utility grade natural gas or liquefied petroleum gas.
[District Rule 431]

KKK. PRIME COAT BOOTH (NO. 3, BLDG 634) WITH CURING OVEN – MDAQMD PERMIT S008396 – consisting of:
One 12 feet high by 20 feet wide by 35 feet long booth, TECD201235PSB, with 40 intake filters, each 20 inches x 20 inches and two stage exhaust filtration (40 exhaust filter pads and bag filters, each 20 inches x 20 inches), with total air flow of 24,000 cfm. One 120 degree Fahrenheit curing oven, 12 feet high by 16 feet 6 inches wide by 24 feet long, TECD, heated by 1 MMBtu/hr natural gas heater, with 350 cfm of exhaust, 1584 cfm of exhaust purge and 23,760 cfm of circulation air.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. All coatings, diluents, thinners and solvents used within this paint booth shall comply with District Rules 442, 1113, 1114, and 1115, 1116, and 1118 in their entirety as applicable. These rules pertain to Usage of Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework and Component Manufacturing Operations.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

3. The owner/operator (o/o) shall maintain an operations log for this spray booth current and on-site (or at a central location) for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information (NOTE: The daily log information provides a basis for the Toxic Emission Inventory required by AB 2588.):
   a. Type and VOC limit under each applicable rule for each coating and solvent used (preparation, thinning, cleanup or other);

b. Quantity used (in gallons) and VOC content (in pounds per gallon or grams per liter) for each type of coating and solvent used;
c. The equipment used, the method of application, and the type of substrate for each use;
d. Total VOC emissions for each day and month of operation, total VOC emissions for each rolling twelve month period, and 30- day rolling average emissions of non-VOC organic solvents; and,
e. Differential pressure readings across the exhaust filters.

[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than HVLP spray guns, hand-held Aerosol Coating Products or Hand Application methods unless prior written approval is obtained from the District.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

5. Coating or solvent use shall not occur within this booth, and curing shall not occur within this curing oven, without the enclosure being vented to the air pollution control system under valid District permit C008397.
[District Rule 1302(B)(1)(a)]

6. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.25 and 2.5 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.
Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.
[District Rules 1302(B)(1)(a) and 1320]

7. The o/o shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request.
[District Rule 1302(B)(1)(a), 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings]

8. This facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor, conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD if this facility will use the above toxic metal and/or MeCl for additional permits requirements.

[40 CFR 63, Subpart HHHHHH]

9. This equipment, combined with emissions from units permitted under Permit numbers C008397 and C009623 (the entire Paint and Undercoat Facility) shall not emit more than 3098 pounds of VOCs into the atmosphere in any one consecutive twelve (12) month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
[District Rule 1302(B)(1)(a)]

LLL. PAINT SPRAY BOOTH (BLDG 634, BAY 6) – MDAQMD PERMIT S009622 – consisting of:
Spray Systems, Model TB-462018-P. Dimensions: 16 ft wide by 46 ft long x 18 feet high (inside dimensions). Intake filters will be Viledon Type R-1 (78 total; 20 inch x 20 inch x 1 inch). The exhaust filters will utilize two-stage particulate filters (78 total "Ultra Panel" for the first stage and 78 total "OSM-100" for the second stage, both 20 inch x 20 inch x 1 inch), with air flow of 25,000 acfm. The booth will be equipped with High Volume Low Pressure (HVLP) spray guns.

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. All coatings, diluents, thinners and solvents used within this paint booth shall comply with District Rules 442, 1113, 1114, and 1115, 1116, and 1118 in their entirety as applicable. These rules pertain to Usage of Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework and Component Manufacturing Operations.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

3. The owner/operator (o/o) shall maintain an operations log for this spray booth current and on-site (or at a central location) for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information (NOTE: The daily log information provides a basis for the Toxic Emission Inventory required by AB 2588.):
   a. Type and VOC limit under each applicable rule for each coating and solvent used (preparation, thinning, cleanup or other);
   b. Quantity used (in gallons) and VOC content (in pounds per gallon or grams per liter) for each type of coating and solvent used;

c. The equipment used, the method of application, and the type of substrate for each use;
d. Total VOC emissions for each day and month of operation, total VOC emissions for each rolling twelve month period, and 30- day rolling average emissions of non-VOC organic solvents; and,
e. Differential pressure readings across the exhaust filters.
[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than HVLP spray guns, hand-held Aerosol Coating Products or Hand Application methods unless prior written approval is obtained from the District.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

5. Coating or solvent use shall not occur within this booth without the enclosure being vented to the air pollution control system under valid District permit C009623.
[District Rule 1302(B)(1)(a)]

6. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.25 and 2.5 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.
Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.
[District Rule 1302(B)(1)(a) and 1320]

7. The o/o shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request.
[District Rule 1302(B)(1)(a), 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings]

8. This facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor, conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD if this facility will use the above toxic metal and/or MeCl for additional permits requirements.
[40 CFR 63, Subpart HHHHHH]

9. This equipment, combined with emissions from units permitted under Permit numbers C008397 and C009623 (the entire Paint and Undercoat Facility) shall not emit more than 3098 pounds of VOCs into the atmosphere in any one consecutive twelve (12) month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
[District Rule 1302(B)(1)(a)]

MMM. PAINT SPRAY BOOTH (BLDG 634, BAY 12) – MDAQMD PERMIT S009969 – consisting of:
Bleeker Bros., Model STDT-12-10-30. The booths inside dimensions are 10 feet high by 12 feet wide by 30 feet long. Intake filters for the booth are AIRGUARD TRI-90 panel filters (20 inches by 20 inches). Exhaust flow is 12,800 cfm through a three-stage particulate filter bank (i.e., Ultra Media blanket filter for the first stage, dimensions 42 inches wide by 11 feet long; 24 Ultra Panel filter pads, each measuring 20 inches x 20 inches; and 24 OSM-100 pocket filters for the third stage, each measuring 20 inches by 20 inches). The booth is equipped with High Volume Low Pressure (HVLP) spray guns. This equipment is equipped with an integral industrial Bleeker Bros., Model LTDC-12-10-20 oven. The ovens inside dimensions are 10 feet high by 12 feet wide by 30 feet long heated by a 0.8 MMBtu/hr 408 OVENPAK burner to a temperature of 150 deg. F. The exhaust blower will have a maximum flow rate of 2,000 scfm and a recirculation blower of 12,600 scfm. The ovens intake filters will be the AIRGUARD TRI-90 panel filters (20 inches by 20 inches).

PERMIT CONDITIONS:

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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(B)(1)(a)]

2. All coatings, diluents, thinners and solvents used within this paint booth shall comply with District Rules 442, 1113, 1114, and 1115, 1116, and 1118 in their entirety as applicable. These rules pertain to Usage of Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations, Automotive Refinishing Operations, and Aerospace Assembly, Rework and Component Manufacturing Operations.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

3. The owner/operator (o/o) shall maintain an operations log for this spray booth current and on-site (or at a central location) for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request and shall include, at a minimum, the following information (NOTE: The daily log information provides a basis for the Toxic Emission Inventory required by AB 2588.):

a. Type and VOC limit under each applicable rule for each coating and solvent used (preparation, thinning, cleanup or other);
b. Quantity used (in gallons) and VOC content (in pounds per gallon or grams per liter) for each type of coating and solvent used;
c. The equipment used, the method of application, and the type of substrate for each use;
d. Total VOC emissions for each day and month of operation, total VOC emissions for each rolling twelve month period, and 30- day rolling average emissions of non-VOC organic solvents; and,
e. Differential pressure readings across the exhaust filters.

[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than HVLP spray guns, hand-held Aerosol Coating Products or Hand Application methods unless prior written approval is obtained from the District.
[District Rules 442, 1113, 1114, 1115, 1116, and 1118]

5. Coating or solvent use shall not occur within this booth without the enclosure being vented to the air pollution control system under valid District permit C009968.
[District Rule 1302(B)(1)(a)]

6. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.25 and 2.5 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.
Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.
[District Rules 1302(B)(1)(a) and 1320]

7. The o/o shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium (Secti. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request.
[District Rule 1302(B)(1)(a), 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings]

8. This facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor, conduct any paint stripping operations on any substrate that use methylene

chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD if this facility will use the above toxic metal and/or MeCl for additional permits requirements. [40 CFR 63, Subpart HHHHHH]

9. This equipment shall only be fired on utility grade natural gas.
[District Rule 1302(B)(1)(a), 431]

NNN. INDUSTRIAL WASTEWATER TANKS (BLDG 609) – MDAQMD PERMIT T003926 – consisting of:
Two aboveground open top storage tanks (raw storage tank T-1 and raw storage tank T-2), SN 70-22 and 70-23, used for equalization of influent wastewater flows to the IWTP (District Permit B008746). Equipped with an oil skimmer which feeds Oily Water Storage Tank T-20 through a joint collection box.
Raw Storage Tank T-1, 40' L by 9' H by 8' W, 21,000 gallon capacity
Raw Storage Tank T-2, 40' L by 9' H by 8' W, 21,000 gallon capacity

PERMIT CONDITIONS:

1. The owner/operator (o/o) shall operate this equipment in strict accordance with the manufacturer's specifications and/or sound engineering principles.
[District Rule 1302(B)(1)(a)]

2. The o/o shall maintain a log of the records to verify proper disposal of the oil collected in Tank T-3 and Tank T-20 to Certified off-base handling facilities, including date of disposal and quantity disposed. These records shall be maintained on site for a minimum of five years.
[District Rule 1302(B)(1)(a)]

OOO. INDUSTRIAL WASTEWATER TANKS (BLDG 611) – MDAQMD PERMIT T005251 – consisting of:
Four temporary retention storage tanks (Tank Nos. 679251, 679252, 679253 and 679 254) handling surge flow from the Wet Well.
Retention Storage Tank No. 1, carbon steel cylinder 39' 8" L by 9' 6" D, 20,000 gallon capacity
Retention Storage Tank No. 3, carbon steel cylinder 39' 8" L by 9' 6" D, 20,000 gallon capacity
Retention Storage Tank No. 2, carbon steel cylinder 39' 8" L by 9' 6" D, 20,000 gallon capacity
Retention Storage Tank No. 4, carbon steel cylinder 39' 8" L by 9' 6" D, 20,000 gallon capacity

PERMIT CONDITIONS:

1. The owner/operator (o/o) shall operate this equipment in strict accordance with the manufacturer's specifications and/or sound engineering principles.
[District Rule 1302(B)(1)(a)]

2. The o/o shall maintain a log that includes the date and total volume of liquids disposed from the retention tanks to Certified off-base handling facilities. These records shall be maintained on site for a minimum of five years.
[District Rule 1302(B)(1)(a)]

PPP. DIP TANK #1 (CLEAN LINE #1, BLDG 640) – MDAQMD PERMIT T011924 – consisting of:
CLEANING TANK, Ardrox 185 (sodium hydroxide), Zero VOC
Surface area of solution: 150 sq ft (15 feet L X 10 feet W X 5.5 feet D)
Total operating volume 5,049 gallons;
Solution Depth 4.5 feet.
Freeboard height 12 inches.
Operating temperature: 190 deg F

Equipped with a push-air system supplying a continuous supply of air across the top of the tank, exhausting through hood at back of tank. Tank cover rolls open/closes automatically upon request by the user, from control panel. Open tank exhaust rate is 100 cfm/sf, closed tank exhaust rate is 8.3 cfm/sf.
Tank heater mfg by Eclipse, natural gas immersion type burner rated at 2.5 MMBtu/hr, Model No. IJ-6, and all associated exhaust duct work and fans.
Note: As this tank is only authorized to use inorganic compounds, the evaporative VOC emissions from this tank are 0.0 lbs of VOCs per year.

PERMIT CONDITIONS:

1. The tank shall be equipped with an air exhaust collection hood located along the back of the tank.
[District Rule 1302]

2. The air exhaust collection hood and fan shall be in operation at all times when there is a chemical agent in the tank.
[District Rule 1302]

3. No materials containing VOCs are permitted in this tank. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable material used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. Alternatively, VOC content may be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
[District Rule 1303(A)]

4. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a

minimum of five (5) years and shall be provided to District, State or Federal personnel on request.

a. material safety data sheet(s) for chemical(s) stored in the tank,
b. a daily record of all materials added to the tank, including the date, material name, and quantity added (summarized monthly),
c. daily self-inspection checklist,
d. fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method.

[District Rule 1303(A)- BACT]

5. The tank heater can only be fired on PUC-Regulated pipeline quality natural gas. [District Rule 431; District Rule 1303(A)]

6. District Permit units T011924 through T011932 (BLDG 640 Dip Tank Line) shall not exceed the following emission limits, verified by equipment operation in accordance with manufacturer's data and specifications and observing proper operating practices and procedures as specified herein.

Pollutant	Combustion Emissions (tanks #1 and #2 only, in lbs/yr)	Evaporative Emissions (lbs/yr)
NO_x (30 ppmvd @ 3% O_2	1456.4	0
CO (100 ppmvd @ 3% O_2	2955.1	0
VOC	206.5	331.0
SO_x	22.5	0
PM_{10}	285.3	0

Note: Combustion emissions are from heated Tanks 1 and 2 only, as described in District Permits T011924 and T011925.
[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

7. The owner/operator surrendered the following valid Emission Reduction Credits (ERCs) prior to the construction of the Dip Tanks described in District Permits T011924 through T011932:
NOx (offset ratio of 1.3:1): 1893
VOC (offset ratio of 1.3:1): 597
PM10 (offset ratio of 1.0:1): 285
Furthermore, this project used 78 lbs of VOC simultaneous emissions reductions associated with District Permit T003095 process rate reductions. District Permit T003095 was canceled effective 10/07/2015.
[District Rule 1303(B)]

QQQ. DIP TANK #2 (CLEAN LINE #1, BLDG 640) – MDAQMD PERMIT T011925 – consisting of:
PRIMARY RINSE TANK, Water, Zero VOC
Surface area of solution: 100 sq ft (10 feet L X 10 feet W X 5.5 feet D)
Total operating volume 3,366 gallons;

Solution Depth 4.5 feet.
Freeboard height 12 inches.
Operating temperature: 200 deg F

Equipped with a push-air system supplying a continuous supply of air across the top of the tank, exhausting through hood at back of tank. Tank cover rolls open/closes automatically upon request by the user, from control panel. Open tank exhaust rate is 100 cfm/sf, closed tank exhaust rate is 8.3 cfm/sf.
Tank heater mfg by Eclipse, natural gas immersion type burner rated at 2.0 MMBtu/hr, Model No. IJ-6.
Note: As this tank is only authorized to use inorganic compounds, the evaporative VOC emissions from this tank are 0.0 lbs of VOCs per year.

PERMIT CONDITIONS:

1. The tank shall be equipped with an air flow collection hood located along the back of the tank.
[District Rule 1302]

2. The air flow collection hood and fan shall be in operation at all times when there is a chemical agent in the tank.
[District Rule 1302]

3. No materials containing VOCs are permitted in this tank. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable material used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. Alternatively, VOC content may be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
[District Rule 1303(A)]

4. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request. a. material safety data sheet(s) for chemical(s) stored in the tank, b. a daily record of all materials added to the tank, including the date, material name, and quantity added (summarized monthly), c. daily self-inspection checklist, d. fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method.
[District Rule 1303(A)- BACT]

5. The tank heater can only be fired on PUC-Regulated pipeline quality natural gas.
[District Rule 431; District Rule 1303(A)]

6. District Permit units T011924 through T011932 (BLDG 640 Dip Tank Line) shall not exceed the following emission limits, verified by equipment operation in accordance with manufacturer's data and specifications and observing proper operating practices and procedures as specified herein.

Pollutant	Combustion Emissions (tanks #1 and #2 only, in lbs/yr)	Evaporative Emissions (lbs/yr)
NO_x (30 ppmvd @ 3% O_2	1456.4	0
CO (100 ppmvd @ 3% O_2	2955.1	0
VOC	206.5	331.0
SO_x	22.5	0
PM_{10}	285.3	0

Note: Combustion emissions are from heated Tanks 1 and 2 only, as described in District Permits T011924 and T011925.
[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

7. The owner/operator surrendered the following valid Emission Reduction Credits (ERCs) prior to the construction of the Dip Tanks described in District Permits T011924 through T011932:
NOx (offset ratio of 1.3:1): 1893
VOC (offset ratio of 1.3:1): 597
PM10 (offset ratio of 1.0:1): 285
Furthermore, this project used 78 lbs of VOC simultaneous emissions reductions associated with District Permit T003095 process rate reductions. District Permit T003095 was canceled effective 10/07/2015.
[District Rule 1303(B)]

RRR. DIP TANK #3 (CLEAN LINE #1, BLDG 640) – MDAQMD PERMIT T011926 – consisting of:
PRE-TREATMENT, CrysCoat (iron phosphate blend), Zero VOC
Surface area of solution: 100 sq ft (10 feet L X 10 feet W X 5.5 feet D)
Total operating volume 3,366 gallons;
Solution Depth 4.5 feet.
Freeboard height 12 inches.
Operating temperature: 150 deg F
Equipped with a push-air system supplying a continuous supply of air across the top of the tank, exhausting through hood at back of tank. Tank cover rolls open/closes automatically upon request by the user, from control panel. Open tank exhaust rate is 8.3 cfm/sf, closed tank exhaust rate is 8.3 cfm/sf.
Tank heater mfg by Eclipse, natural gas immersion type burner rated at 1.0 MMBtu/hr, Model No. IJ-4.
Note: As this tank is only authorized to use inorganic compounds, the evaporative VOC emissions from this tank are 0.0 lbs of VOCs per year.

PERMIT CONDITIONS:

1. The tank shall be equipped with a vapor collection hood located along the back of the tank.
[District Rule 1302]

2. The vapor collection hood and fan shall be in operation at all times when there is a chemical agent in the tank.
[District Rule 1302]

3. No materials containing VOCs are permitted in this tank. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable material used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. Alternatively, VOC content may be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
[District Rule 1303(A)]

4. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. material safety data sheet(s) for chemical(s) stored in the tank,
   b. a daily record of all materials added to the tank, including the date, material name, and quantity added (summarized monthly),
   c. daily self-inspection checklist,
   d. fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method.

   [District Rule 1303(A)- BACT]

5. The tank heater can only be fired on PUC-Regulated pipeline quality natural gas.
[District Rule 431; District Rule 1303(A)]

6. District Permit units T011924 through T011932 (BLDG 640 Dip Tank Line) shall not exceed the following emission limits, verified by equipment operation in accordance with manufacturer's data and specifications and observing proper operating practices and procedures as specified herein.

Pollutant	Combustion Emissions (tanks #1 and #2 only, in lbs/yr)	Evaporative Emissions (lbs/yr)
NO_x (30 ppmvd @ 3% O_2	1456.4	0
CO (100 ppmvd @ 3% O_2	2955.1	0
VOC	206.5	331.0
SO_x	22.5	0
PM_{10}	285.3	0

Note: Combustion emissions are from heated Tanks 1 and 2 only, as described in District Permits T011924 and T011925.
[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

7. The owner/operator surrendered the following valid Emission Reduction Credits (ERCs) prior to the construction of the Dip Tanks described in District Permits T011924 through T011932:
NOx (offset ratio of 1.3:1): 1893
VOC (offset ratio of 1.3:1): 597
PM10 (offset ratio of 1.0:1): 285
Furthermore, this project used 78 lbs of VOC simultaneous emissions reductions associated with District Permit T003095 process rate reductions. District Permit T003095 was canceled effective 10/07/2015.
[District Rule 1303(B)]

SSS. DIP TANK #4 (CLEAN LINE #2, BLDG 640) – MDAQMD PERMIT T011927 – consisting of:
CLEANING TANK, Oakite 33 (Proprietary Phosphoric Acid blend), Zero VOC
Surface area of solution: 31 sq ft (4.3 feet W X 7.2 feet L X 5 feet D)
Total operating volume: 929 gallons;
Solution Depth 4 feet.
Freeboard height 12 inches.
Operating temperature: 160 deg F

Open tank exhaust rate is 100 cfm/sf, closed tank exhaust rate is 8.3 cfm/sf. Equipped with a push-air system supplying a continuous supply of air across the top of the tank, exhausting through hood at back of tank. Tank cover rolls open/closes automatically upon request by the user, from control panel.
Tank heater mfg by Eclipse, natural gas immersion type burner rated at 0.44 MMBtu/hr (below permitting threshold), Model No. IJ-3.
Note: As this tank is only authorized to use inorganic compounds, the evaporative VOC emissions from this tank are 0.0 lbs of VOCs per year.

PERMIT CONDITIONS:

1. The tank shall be equipped with a air flow collection hood located along the back of the tank.
[District Rule 1302]

2. The air flow collection hood and fan shall be in operation at all times when there is a chemical agent in the tank.
[District Rule 1302]

3. No materials containing VOCs are permitted in this tank. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent

documentation of chemical content) for every applicable material used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. Alternatively, VOC content may be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
[District Rule 1303(A)]

4. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. material safety data sheet(s) for chemical(s) stored in the tank,
   b. a daily record of all materials added to the tank, including the date, material name, and quantity added (summarized monthly),
   c. daily self-inspection checklist,
   d. fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method.

   [District Rule 1303(A)- BACT]

5. The tank heater can only be fired on PUC-Regulated pipeline quality natural gas.
   [District Rule 431; District Rule 1303(A)]

6. District Permit units T011924 through T011932 (BLDG 640 Dip Tank Line) shall not exceed the following emission limits, verified by equipment operation in accordance with manufacturer's data and specifications and observing proper operating practices and procedures as specified herein.

Pollutant	Combustion Emissions (tanks #1 and #2 only, in lbs/yr)	Evaporative Emissions (lbs/yr)
NO_x (30 ppmvd @ 3% O_2	1456.4	0
CO (100 ppmvd @ 3% O_2	2955.1	0
VOC	206.5	331.0
SO_x	22.5	0
PM_{10}	285.3	0

   Note: Combustion emissions are from heated Tanks 1 and 2 only, as described in District Permits T011924 and T011925.
   [District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

7. The owner/operator surrendered the following valid Emission Reduction Credits (ERCs) prior to the construction of the Dip Tanks described in District Permits T011924 through T011932:
   NOx (offset ratio of 1.3:1): 1893
   VOC (offset ratio of 1.3:1): 597
   PM10 (offset ratio of 1.0:1): 285

Furthermore, this project used 78 lbs of VOC simultaneous emissions reductions associated with District Permit T003095 process rate reductions. District Permit T003095 was canceled effective 10/07/2015.
[District Rule 1303(B)]

TTT. DIP TANK #5 (CLEAN LINE #2, BLDG 640) – MDAQMD PERMIT T011928 – consisting of:
PAINT STRIP, Gardostrip Q7900A (sodium lauryl sulfate blend)
Surface area of solution: 31 sq ft (4.3 feet W X 7.2 feet L X 5 feet D)
Total operating volume: 929 gallons;
Solution Depth 4 feet.
Freeboard height 12 inches.
Operating temperature: 180 deg F

Open tank exhaust rate is 8.3 cfm/sf, closed tank exhaust rate is 8.3 cfm/sf.
Equipped with a push-air system supplying a continuous supply of air across the top of the tank, exhausting through hood at back of tank. Tank cover rolls open/closes automatically upon request by the user, from control panel.
Tank heater mfg by Eclipse, natural gas immersion type burner rated at 0.83 MMBtu/hr (below permitting threshold), Model No. IJ-4.

PERMIT CONDITIONS:

1. The tank shall be equipped with a vapor collection hood located along the back of the tank.
[District Rule 1302]

2. The vapor collection hood and fan shall be in operation at all times when there is a chemical agent in the tank.
[District Rule 1302]

3. The tank must have a Freeboard Height of at least six (6) inches while the item(s) are submerged. The Freeboard Height is the vertical distance from the top of the liquid to the top of the tank.
[District Rule 1104(C)(1)(c)]

4. Solvent carry-out shall be minimized by the following methods;
   a. The hoist speed must be slow enough to prevent solvent vapors from being pushed and/or pulled out of the tank. The speed of the existing hoist must not exceed 11.2 feet per minute;
   b. Rack workload arranged to promote complete drainage;
   c. Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
   [District Rule 1104(C)(2)(vi)]

5. This batch-loaded tank can only use chemicals/solvents identified in the above description and in a non-agitated manner.
[District Rule 1104]

6. This dip tank must be covered at all times when containing a chemical agent except when parts are being loaded, unloaded, or while suspended and draining into the dip tank.
[District Rule 1104(C)]

7. Owner/operator must post in a conspicuous location a label summarizing the applicable operating requirements contained in District Rule (C)(2)(b). 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.
[District Rule 1104(C)(1)(a)]

8. Cleaning solvents (excludes paint strip solvent) shall have a VOC content of 25 g/l or less, as used, calculated in accordance with District Rule 1104. VOC content must be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
[District Rule 1303(A)]

9. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. material safety data sheet(s) for chemical(s) stored in the tank,
   b. the mix ratio of solvent compounds used,
   c. VOC content of solvent or mixture of compounds as used, and date and amount of solvent added (summarized monthly),
   d. daily self-inspection checklist,
   e. fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method.

   [District Rule 1303(A)- BACT]

10. The tank heater can only be fired on PUC-Regulated pipeline quality natural gas.
[District Rule 431; District Rule 1303(A)]

11. District Permit units T011924 through T011932 (BLDG 640 Dip Tank Line) shall not exceed the following emission limits, verified by equipment operation in accordance with manufacturer's data and specifications and observing proper operating practices and procedures as specified herein.

Pollutant	Combustion Emissions (tanks #1 and #2 only, in lbs/yr)	Evaporative Emissions (lbs/yr)
NO_x (30 ppmvd @ 3% O_2	1456.4	0

CO (100 ppmvd @ 3% O_2	2955.1	0
VOC	206.5	331.0
SO_x	22.5	0
PM_{10}	285.3	0

Note: Combustion emissions are from heated Tanks 1 and 2 only, as described in District Permits T011924 and T011925.
[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

12. The owner/operator surrendered the following valid Emission Reduction Credits (ERCs) prior to the construction of the Dip Tanks described in District Permits T011924 through T011932: NOx (offset ratio of 1.3:1): 1893 VOC (offset ratio of 1.3:1): 597 PM10 (offset ratio of 1.0:1): 285 Furthermore, this project used 78 lbs of VOC simultaneous emissions reductions associated with District Permit T003095 process rate reductions. District Permit T003095 was canceled effective 10/07/2015.
[District Rule 1303(B)]

UUU. DIP TANK #7 (CLEAN LINE #2, BLDG 640) – MDAQMD PERMIT T011929 – consisting of:
METAL TREATMENT, Gardobond G4040 (manganese phosphate blend), Zero VOC
Surface area of solution: 31 sq ft (4.3 feet W X 7.2 feet L X 5 feet D)
Total operating volume: 929 gallons;
Solution Depth 4 feet.
Freeboard height 12 inches.
Operating temperature: 185 deg F

Open tank exhaust rate is 8.3 cfm/sf, closed tank exhaust rate is 8.3 cfm/sf. Equipped with a push-air system supplying a continuous supply of air across the top of the tank, exhausting through hood at back of tank. Tank cover rolls open/closes automatically upon request by the user, from control panel.
Tank heater mfg by Eclipse, natural gas immersion type burner rated at 0.83 MMBtu/hr (below permitting threshold), Model No. IJ-4.
Note: As this tank is only authorized to use inorganic compounds, the evaporative VOC emissions from this tank are 0.0 lbs of VOCs per year. Furthermore, this tank contains less than 0.25% Mn by weight and is therefore exempt from 40 CFR 63 subpart WWWWWW as noted in 40 CFR 63.11505(d)(6).

PERMIT CONDITIONS:

1. The tank shall be equipped with an air flow collection hood located along the back of the tank.
[District Rule 1302]

2. The air flow collection hood and fan shall be in operation at all times when there is a chemical agent in the tank.
[District Rule 1302]

3. No materials containing VOCs are permitted in this tank. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable material used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. Alternatively, VOC content may be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
[District Rule 1303(A)]

4. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. material safety data sheet(s) for chemical(s) stored in the tank,
   b. a daily record of all materials added to the tank, including the date, material name, and quantity added (summarized monthly),
   c. daily self-inspection checklist,
   d. fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method.

   [District Rule 1303(A)- BACT]

5. The tank heater can only be fired on PUC-Regulated pipeline quality natural gas.
[District Rule 431; District Rule 1303(A)]

6. District Permit units T011924 through T011932 (BLDG 640 Dip Tank Line) shall not exceed the following emission limits, verified by equipment operation in accordance with manufacturer's data and specifications and observing proper operating practices and procedures as specified herein.

Pollutant	Combustion Emissions (tanks #1 and #2 only, in lbs/yr)	Evaporative Emissions (lbs/yr)
NO_x (30 ppmvd @ 3% O_2	1456.4	0
CO (100 ppmvd @ 3% O_2	2955.1	0
VOC	206.5	331.0
SO_x	22.5	0
PM_{10}	285.3	0

Note: Combustion emissions are from heated Tanks 1 and 2 only, as described in District Permits T011924 and T011925.
[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

7. The owner/operator surrendered the following valid Emission Reduction Credits (ERCs) prior to the construction of the Dip Tanks described in District Permits T011924 through T011932:
NOx (offset ratio of 1.3:1): 1893
VOC (offset ratio of 1.3:1): 597

PM10 (offset ratio of 1.0:1): 285
Furthermore, this project used 78 lbs of VOC simultaneous emissions reductions associated with District Permit T003095 process rate reductions. District Permit T003095 was canceled effective 10/07/2015.
[District Rule 1303(B)]

VVV. DIP TANK #8 (CLEAN LINE #2, BLDG 640) – MDAQMD PERMIT T011930 – consisting of:
METAL FINISHING, FH3 (chromic acid/chromium chromate), Zero VOC
Surface area of solvent: 31 sq ft (4.3 feet W x 7.2 feet L x 5 feet D)
Total operating volume: 968 gallons;
Solution Depth 4.2 feet.
Freeboard height 10 inches.
Operating temperature: 160 deg F

Open tank exhaust rate is 8.3 cfm/sf, closed tank exhaust rate is 8.3 cfm/sf. Equipped with a push-air system supplying a continuous supply of air across the top of the tank, exhausting through hood at back of tank. Tank cover rolls open/closes automatically upon request by the user, from control panel.
Tank heater burner mfg by Eclipse, natural gas immersion type burner rated at 0.44 MMBtu/hr (below permitting threshold), Model No. IJ-3.
Note: As this tank is only authorized to use inorganic compounds, the evaporative VOC emissions from this tank are 0.0 lbs of VOCs per year. Furthermore, this tank contains more than 0.22% Cr by weight and is therefore regulated by 40 CFR 63 subpart WWWWWW.

PERMIT CONDITIONS:

1. The tank shall be equipped with a vapor collection hood located along the back of the tank.
[District Rule 1302]

2. The vapor collection hood and fan shall be in operation at all times when there is a chemical agent in the tank.
[District Rule 1302]

3. No materials containing VOCs are permitted in this tank. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable material used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. Alternatively, VOC content may be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
[District Rule 1303(A)]

4. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. material safety data sheet(s) for chemical(s) stored in the tank,
   b. a daily record of all materials added to the tank, including the date, material name, and quantity added (summarized monthly),
   c. daily self-inspection checklist,
   d. fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method.

   [District Rule 1303(A)- BACT]

5. The tank heater can only be fired on PUC-Regulated pipeline quality natural gas. [District Rule 431; District Rule 1303(A)]

6. District Permit units T011924 through T011932 (BLDG 640 Dip Tank Line) shall not exceed the following emission limits, verified by equipment operation in accordance with manufacturer's data and specifications and observing proper operating practices and procedures as specified herein.

Pollutant	Combustion Emissions (tanks #1 and #2 only, in lbs/yr)	Evaporative Emissions (lbs/yr)
NO_x (30 ppmvd @ 3% O_2	1456.4	0
CO (100 ppmvd @ 3% O_2	2955.1	0
VOC	206.5	331.0
SO_x	22.5	0
PM_{10}	285.3	0

   Note: Combustion emissions are from heated Tanks 1 and 2 only, as described in District Permits T011924 and T011925.
   [District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

7. The owner/operator surrendered the following valid Emission Reduction Credits (ERCs) prior to the construction of the Dip Tanks described in District Permits T011924 through T011932:
   NOx (offset ratio of 1.3:1): 1893
   VOC (offset ratio of 1.3:1): 597
   PM10 (offset ratio of 1.0:1): 285
   Furthermore, this project used 78 lbs of VOC simultaneous emissions reductions associated with District Permit T003095 process rate reductions. District Permit T003095 was canceled effective 10/07/2015.
   [District Rule 1303(B)]

8. . Owner/operator must implement the applicable management practices of 40 CFR Part 63 subpart WWWWWW (listed below) at all times that the tank or process is in operation:

a. Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.
b. Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable.
c. Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.
d. Use tank covers, if already owned and available at the facility, whenever practicable.
e. Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).
f. Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.
g. Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough rinsing of pre-treated parts to be plated, as practicable.
h. Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.
i. Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.
j. Minimize spills and overflow of tanks, as practicable.
k. Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.
l. Perform regular inspections to identify leaks and other opportunities for pollution prevention.

[District Rule 1320; 40 CFR 63.11507; 40 CFR 63.11508(c)(11)]

9. Owner/operator must submit a deviations report in any year in which there is a deviation from the compliance requirements of 40 CFR Part 63 subpart WWWWWW. O/o must report the deviation(s), and the corrective action taken along with the annual compliance report to the District, postmarked or delivered no later than January 31 of the year immediately following the reporting period.
[40 CFR 63.11509]

10. This equipment is subject to and shall comply with all applicable requirements found in 40 CFR part 63 subpart WWWWWWNational Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations.
[40 CFR 63.11504(a)(1)(iii); 40 CFR 63.11506(c)]

WWW. DIP TANK #10 (CLEAN LINE #2, BLDG 640) – MDAQMD PERMIT T011931 – consisting of:
ALUMINUM CLEANER, Oakite Aluminum Cleaner (proprietary blend), Zero VOC
Surface area of solvent: 31 sq ft (4.3 feet W x 7.2 feet L x 5 feet D)

Total operating volume: 968 gallons;
Solution Depth 4.2 feet.
Freeboard height 10 inches.
Operating temperature: 130 deg F
Open tank exhaust rate is 8.3 cfm/sf, closed tank exhaust rate is 8.3 cfm/sf. Equipped with a push-air system supplying a continuous supply of air across the top of the tank, exhausting through hood at back of tank. Tank cover rolls open/closes automatically upon request by the user, from control panel.
Tank heater mfg by Eclipse, natural gas immersion type burner rated at 0.44 MMBtu/hr (below permitting threshold), Model No. IJ-3.
Note: As this tank is only authorized to use inorganic compounds, the evaporative VOC emissions from this tank are 0.0 lbs of VOCs per year.

PERMIT CONDITIONS:

1. The tank shall be equipped with a vapor collection hood located along the back of the tank.
   [District Rule 1302]

2. The vapor collection hood and fan shall be in operation at all times when there is a chemical agent in the tank.
   [District Rule 1302]

3. No materials containing VOCs are permitted in this tank. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable material used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. Alternatively, VOC content may be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
   [District Rule 1303(A)]

4. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. material safety data sheet(s) for chemical(s) stored in the tank;
   b. the mix ratio of solvent compounds used;
   c. daily self-inspection checklist; and
   d. fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method.

   [District Rule 1303(A)]

5. The tank heater can only be fired on PUC-Regulated pipeline quality natural gas.
   [District Rule 431; District Rule 1303(A)]

6. District Permit units T011924 through T011932 (BLDG 640 Dip Tank Line) shall not exceed the following emission limits, verified by equipment operation in accordance with manufacturer's data and specifications and observing proper operating practices and procedures as specified herein.

Pollutant	Combustion Emissions (tanks #1 and #2 only, in lbs/yr)	Evaporative Emissions (lbs/yr)
NO_x (30 ppmvd @ 3% O_2	1456.4	0
CO (100 ppmvd @ 3% O_2	2955.1	0
VOC	206.5	331.0
SO_x	22.5	0
PM_{10}	285.3	0

Note: Combustion emissions are from heated Tanks 1 and 2 only, as described in District Permits T011924 and T011925.

[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

7. The owner/operator surrendered the following valid Emission Reduction Credits (ERCs) prior to the construction of the Dip Tanks described in District Permits T011924 through T011932: NOx (offset ratio of 1.3:1): 1893 VOC (offset ratio of 1.3:1): 597 PM10 (offset ratio of 1.0:1): 285 Furthermore, this project used 78 lbs of VOC simultaneous emissions reductions associated with District Permit T003095 process rate reductions. District Permit T003095 was canceled effective 10/07/2015. [District Rule 1303(B)]

XXX. DIP TANK #9 (CLEAN LINE #2, BLDG 640) – MDAQMD PERMIT T011932 – consisting of:
ALUMINUM PRE-TREATMENT, Gardobond X 4707 (proprietary acidic solution), Zero VOC:
Chemical Type;
Surface area of solution: 31 sq ft (4.3 feet W x 7.2 feet L x 5 feet D)
Total operating volume 929 gallons;
Solution Depth 4 feet. Freeboard height 12 inches.
Operating temperature: 86 deg F
Equipped with a push-air system supplying a continuous supply of air across the top of the tank, exhausting through hood at back of tank. Tank cover rolls open/closes automatically upon request by the user, from control panel.
Open tank exhaust rate is 8.3 cfm/sf, closed tank exhaust rate is 8.3 cfm/sf. Tank heater mfg by Eclipse, natural gas immersion type burner rated at 0.19 MMBtu/hr, Model No. IJ-2, and all associated exhaust duct work.
Note: As this tank is only authorized to use inorganic compounds, the evaporative VOC emissions from this tank are 0.0 lbs of VOCs per year.

PERMIT CONDITIONS:

1. The tank shall be equipped with an air flow collection hood located along the back of the tank.
[District Rule 1302]

2. The air flow collection hood and fan shall be in operation at all times when there is a chemical agent in the tank.
[District Rule 1302]

3. No materials containing VOCs are permitted in this tank. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable material used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. Alternatively, VOC content may be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
[District Rule 1303(A)]

4. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. material safety data sheet(s) for chemical(s) stored in the tank,
   b. a daily record of all materials added to the tank, including the date, material name, and quantity added (summarized monthly),
   c. daily self-inspection checklist,
   d. fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method.

   [District Rule 1303(A)- BACT]

5. The tank heater can only be fired on PUC-Regulated pipeline quality natural gas.
[District Rule 431; District Rule 1303(A)]

6. District Permit units T011924 through T011932 (BLDG 640 Dip Tank Line) shall not exceed the following emission limits, verified by equipment operation in accordance with manufacturer's data and specifications and observing proper operating practices and procedures as specified herein.

Pollutant	Combustion Emissions (tanks #1 and #2 only, in lbs/yr)	Evaporative Emissions (lbs/yr)
NO_x (30 ppmvd @ 3% O_2	1456.4	0
CO (100 ppmvd @ 3% O_2	2955.1	0
VOC	206.5	331.0
SO_x	22.5	0
PM_{10}	285.3	0

Note: Combustion emissions are from heated Tanks 1 and 2 only, as described in District Permits T011924 and T011925. [District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

7. The owner/operator surrendered the following valid Emission Reduction Credits (ERCs) prior to the construction of the Dip Tanks described in District Permits T011924 through T011932:
NOx (offset ratio of 1.3:1): 1893
VOC (offset ratio of 1.3:1): 597
PM10 (offset ratio of 1.0:1): 285
Furthermore, this project used 78 lbs of VOC simultaneous emissions reductions associated with District Permit T003095 process rate reductions. District Permit T003095 was canceled effective 10/07/2015.
[District Rule 1303(B)]

YYY. DIP TANK #5 (BLDG 573, SMALL ARMS AREA) – MDAQMD PERMIT T012040 – consisting of:
Hot Soluble Oil Tank
Surface area of solution: 32 sq ft (8 feet L x 4 feet W x 4 feet D)
Total operating volume 838 gallons;
Solution Depth 3.5 feet.
Freeboard height 6 inches.
Operating temperature: 205 deg F
Open tank exhaust rate is 100 cfm/sf.
Tank heater mfg by Eclipse, natural gas immersion type burner rated at 0.83 MMBtu/hr, Model No. IJ-4, and all associated exhaust duct work and fans.

PERMIT CONDITIONS:

1. The tank shall be equipped with a vapor collection hood located along the back of the tank.
[District Rule 1302]

2. The vapor collection hood and fan shall be in operation at all times when the tank is in use.
[District Rule 1302]

3. Solution carry-out shall be minimized by the following methods; a. The hoist speed must be slow enough to prevent solvent vapors from being pushed and/or pulled out of the tank. The speed of the hoist must not exceed 11.2 feet per minute; b. Rack workload arranged to promote complete drainage; c. Tip out any pools of oil remaining on the parts before removing them from the tank if the tank are operated manually.
[District Rule 1104(C)(2)(vi); District Rule 1302(B)(1)(a)]

4. This dip tank must be covered at all times when containing a chemical agent except when parts are being loaded, unloaded, or while suspended and draining into the dip tank.
[District Rule 1104(C); District Rule 204; District Rule 1320]

5. Only chemicals/solutions identified in the above description may be stored in this dip tank.
[Basis District Rule 1104]

6. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. material safety data sheet(s) for chemical(s) stored in the tank;
   b. VOC content of the chemical(s) being added to the tank;
   c. date and amount of chemical(s) being added to the tank (summarized monthly); and
   d. daily self-inspection checklist.

[District Rule 1303(A)- BACT; District Rule 1203(D)(1)(d)(ii)]

7. Tank heater can only be fired on natural gas. O/o must provide fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method to District, state or Federal personnel on request.
[District Rule 431; District Rule 1303(A)- BACT]

8. District Permit units T012039 through T012044 (BLDG 573, Small Arms Area) shall not exceed the following annual emission limits rolled on a monthly basis; combustion emission limits verified by good combustion practices, equipment operation in accordance with manufacturers data and specifications, and use of only natural gas fuel. Evaporative emission limits shall be verified through VOC recordkeeping.

Pollutant	Combustion Emissions (tanks #1 and #2 only, in lbs/yr)	Evaporative Emissions (lbs/yr)
NO_x (30 ppmvd @ 3% O_2	182.5	0
CO (100 ppmvd @ 3% O_2	370.3	0
VOC	25.9	200.8
SO_x	2.8	0
PM_{10}	35.8	0

Note: Combustion Emissions are from heated tanks 1 and 2 only, as described in District permits T012039 and T012044.
[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

9. Owner/operator surrendered valid emission reduction credits prior to the construction of equipment units with District permit numbers T012039 through T012044 (BLDG 573 Small Arms Area) in the following amounts (in lbs per year);
NOx (offset ratio 1.3:1): 109

PM10 (offset ratio 1.0:1): 36
Note: District Permit T012041 replaces District Permit T003095. Permit T003095 was properly canceled.
[District Rule 1303(B)]

ZZZ. DIP TANK #11 (BLDG 573, SMALL ARMS AREA) – MDAQMD PERMIT T012041 – consisting of:
Preservation Tank (P-9 Lubricating Oil)
Surface area of solution: 32 sq ft (8 feet L x 4 feet W x 4 feet D)
Total operating volume 838 gallons;
Solution Depth 3.5 feet.
Freeboard height 6 inches.
Operating temperature: 125 deg F
Open tank exhaust rate is 100 cfm/sf.
Tank heater mfg by Eclipse, natural gas immersion type burner rated at 0.44 MMBtu/hr, Model No. IJ-3LP, and all associated exhaust duct work and fans.

PERMIT CONDITIONS:

1. The tank shall be equipped with a vapor collection hood located along the back of the tank.
[District Rule 1302]

2. The vapor collection hood and fan shall be in operation at all times when the tank is in use.
[District Rule 1302]

3. Solution carry-out shall be minimized by the following methods;
   a. The hoist speed must be slow enough to prevent solvent vapors from being pushed and/or pulled out of the tank. The speed of the hoist must not exceed 11.2 feet per minute;
   b. Rack workload arranged to promote complete drainage;
   c. Tip out any pools of oil remaining on the parts before removing them from the tank if the tank are operated manually.
   [District Rule 1104(C)(2)(vi); District Rule 1302(B)(1)(a)]

4. This dip tank must be covered at all times when containing a chemical agent except when parts are being loaded, unloaded, or while suspended and draining into the dip tank.
[District Rule 1104(C); District Rule 204; District Rule 1320]

5. Only chemicals/solutions identified in the above description may be stored in this dip tank.
[Basis District Rule 1104]

6. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. material safety data sheet(s) for chemical(s) stored in the tank;
   b. VOC content of the chemical(s) being added to the tank;
   c. date and amount of chemical(s) being added to the tank (summarized monthly); and
   d. daily self-inspection checklist.

   [District Rule 1303(A)- BACT; District Rule 1203(D)(1)(d)(ii)]

7. Tank heater can only be fired on natural gas. O/o must provide fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method to District, state or Federal personnel on request.
   [District Rule 431; District Rule 1303(A)- BACT]

8. District Permit units T012039 through T012044 (BLDG 573, Small Arms Area) shall not exceed the following annual emission limits rolled on a monthly basis; combustion emission limits verified by good combustion practices, equipment operation in accordance with manufacturers data and specifications, and use of only natural gas fuel. Evaporative emission limits shall be verified through VOC recordkeeping.

Pollutant	Combustion Emissions (tanks #1 and #2 only, in lbs/yr)	Evaporative Emissions (lbs/yr)
NO_x (30 ppmvd @ 3% O_2	182.5	0
CO (100 ppmvd @ 3% O_2	370.3	0
VOC	25.9	200.8
SO_x	2.8	0
PM_{10}	35.8	0

   Note: Combustion Emissions are from heated tanks 1 and 2 only, as described in District permits T012039 and T012044.
   [District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

9. Owner/operator surrendered valid emission reduction credits prior to the construction of equipment units with District permit numbers T012039 through T012044 (BLDG 573 Small Arms Area) in the following amounts (in lbs per year);
   NOx (offset ratio 1.3:1): 109
   PM10 (offset ratio 1.0:1): 36
   Note: District Permit T012041 replaces District Permit T003095. Permit T003095 was properly canceled.
   [District Rule 1303(B)]

AAAA. DIP TANK #4 (BLDG 573, SMALL ARMS AREA) – MDAQMD PERMIT T012042 – consisting of:
Hot Chromic Acid Seal Tank; Chromium Chromate/Chromium Trioxide (FH3), Zero VOC;
Surface area of solution: 32 sq ft (8 feet L x 4 feet W x 4 feet D)

Total operating volume 838 gallons;
Solution Depth 3.5 feet.
Freeboard height 6 inches.
Operating temperature: 150 deg F
Open tank exhaust rate is 100 cfm/sf.
Tank heater mfg by Eclipse, natural gas immersion type burner rated at 0.44 MMBtu/hr, Model No. IJ-3, and all associated exhaust duct work and fans.
Note: As this tank is only authorized to use inorganic compounds, the evaporative VOC emissions from this tank are 0.0 lbs of VOCs per year. Furthermore, this tank contains more than 0.22% Cr by weight and is therefore regulated by 40 CFR 63 subpart WWWWWW.

PERMIT CONDITIONS:

1. The tank shall be equipped with a vapor collection hood located along the back of the tank.
   [District Rule 1302]

2. The vapor collection hood and fan shall be in operation at all times when the tank is in use.
   [District Rule 1302]]

3. Solution carry-out shall be minimized by the following methods;
   a. The hoist speed must be slow enough to prevent solvent vapors from being pushed and/or pulled out of the tank. The speed of the hoist must not exceed 11.2 feet per minute;
   b. Rack workload arranged to promote complete drainage;
   c. Tip out any pools of solvent remaining on the cleaned parts before removing them from the cleaning tank if the cleaning tank are operated manually.
   [District Rule 1104(C)(2)(vi); District Rule 1302(B)(1)(a)]

4. This dip tank must be covered at all times when containing a chemical agent except when parts are being loaded, unloaded, or while suspended and draining into the dip tank.
   [District Rule 1104(C); District Rule 1302(B)(1)(a); District Rule 1320]

5. Only chemicals/solutions identified in the above description may be stored in this dip tank.
   [District Rule 1104]

6. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. material safety data sheet(s) for chemical(s) stored in the tank;
   b. date and amount of chemicals being added to the tank (summarized monthly); and

c. daily self-inspection checklist.
[District Rule 1303(A)- BACT; District Rule 1203(D)(1)(d)(ii)]

7. Tank heater can only be fired on natural gas. Owner/Operator must provide fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method to District, state or Federal personnel on request.
[District Rule 431; District Rule 1303(A)- BACT]

8. District Permit units T012039 through T012044 (BLDG 573, Small Arms Area) shall not exceed the following annual emission limits rolled on a monthly basis; combustion emission limits verified by good combustion practices, equipment operation in accordance with manufacturers data and specifications, and use of only natural gas fuel. Evaporative emission limits shall be verified through VOC recordkeeping.

Pollutant	Combustion Emissions (tanks #1 and #2 only, in lbs/yr)	Evaporative Emissions (lbs/yr)
NO_x (30 ppmvd @ 3% O_2	182.5	0
CO (100 ppmvd @ 3% O_2	370.3	0
VOC	25.9	200.8
SO_x	2.8	0
PM_{10}	35.8	0

Note: Combustion Emissions are from heated tanks 1 and 2 only, as described in District permits T012039 and T012044.
[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

9. Owner/operator surrendered valid emission reduction credits prior to the construction of equipment units with District permit numbers T012039 through T012044 (BLDG 573 Small Arms Area) in the following amounts (in lbs per year);
NOx (offset ratio 1.3:1): 109
PM10 (offset ratio 1.0:1): 36
Note: District Permit T012041 replaces District Permit T003095. Permit T003095 was properly canceled.
[District Rule 1303(B)]

10. Owner/operator must implement the applicable management practices of 40 CFR Part 63 subpart WWWWWW (listed below) at all times that the tank or process is in operation;
    a. Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.
    b. Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable.
    c. Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts

with flow-through holes to allow the tank solution to drip back into the tank), as practicable.

d. Use tank covers, if already owned and available at the facility, whenever practicable.
e. Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).
f. Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.
g. Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough rinsing of pre-treated parts to be plated, as practicable.
h. Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.
i. Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.
j. Minimize spills and overflow of tanks, as practicable.
k. Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.
l. Perform regular inspections to identify leaks and other opportunities for pollution prevention.

[District Rule 1320; 40 CFR 63.11507; 40 CFR 63.11508(c)(11)]

11. Owner/operator must submit a deviations report in any year in which there is a deviation from the compliance requirements of 40 CFR Part 63 subpart WWWWWW. O/o must report the deviation(s), and the corrective action taken along with the annual compliance report to the District, postmarked or delivered no later than January 31 of the year immediately following the reporting period.
[40 CFR 63.11509]

12. This equipment is subject to and shall comply with all applicable requirements found in 40 CFR part 63 subpart WWWWWWNational Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations.
[40 CFR 63.11504(a)(1)(iii); 40 CFR 63.11506(c)]

BBBB. DIP TANK #9 (BLDG 573, SMALL ARMS AREA) – MDAQMD PERMIT T012043 – consisting of:
Acid Cleaning and Activate (HCl) Tank;
Surface area of solution: 32 sq ft (8 feet L x 4 feet W x 4 feet D)
Total operating volume 838 gallons;
Solution Depth 3.5 feet.
Freeboard height 6 inches.
Operating temperature: ambient.
Open tank exhaust rate is 100 cfm/sf.
Note: As this tank is only authorized to use inorganic compounds, the evaporative VOC emissions from this tank are 0.0 lbs of VOCs per year.

PERMIT CONDITIONS:

1. The tank shall be equipped with a vapor collection hood located along the back of the tank.
[District Rule 1302]

2. The vapor collection hood and fan shall be in operation at all times when the tank is in use.
[District Rule 1302]

3. This dip tank must be covered at all times when containing a chemical agent except when parts are being loaded, unloaded, or while suspended and draining into the dip tank.
[District Rules 1302(B)(1)(a) and 1320]

4. Only chemicals/solutions identified in the above description may be stored in this dip tank. No materials containing VOCs are permitted in this tank. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable material used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. Alternatively, VOC content may be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
[District Rule 1302(B)(1)(a)]

5. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. material safety data sheet(s) for chemical(s) stored in the tank,
   b. a daily record of all materials added to the tank, including the date, material name, and quantity added (summarized monthly),
   c. daily self-inspection checklist, d. fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method.

   [District Rule 1303(A)- BACT; District Rule 1203(D)(1)(d)(ii)]

6. This tank must be operated at ambient temperature.
[District Rule 1303(B)]

7. District Permit units T012039 through T012044 (BLDG 573, Small Arms Area) shall not exceed the following annual emission limits rolled on a monthly basis; combustion emission limits verified by good combustion practices, equipment operation in accordance with manufacturers data and specifications, and use of only natural gas fuel. Evaporative emission limits shall be verified through VOC recordkeeping.

Pollutant	Combustion Emissions	Evaporative Emissions

	(tanks #1 and #2 only, in lbs/yr)	(lbs/yr)
NO_x (30 ppmvd @ 3% O_2	182.5	0
CO (100 ppmvd @ 3% O_2	370.3	0
VOC	25.9	200.8
SO_x	2.8	0
PM_{10}	35.8	0

Note: Combustion Emissions are from heated tanks 1 and 2 only, as described in District permits T012039 and T012044.
[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

8. Owner/operator surrendered valid emission reduction credits prior to the construction of equipment units with District permit numbers T012039 through T012044 (BLDG 573 Small Arms Area) in the following amounts (in lbs per year);
NOx (offset ratio 1.3:1): 109
PM10 (offset ratio 1.0:1): 36
Note: District Permit T012041 replaces District Permit T003095. Permit T003095 was properly canceled.
[District Rule 1303(B)]

CCCC. DIP TANK #6 (BLDG 573, SMALL ARMS AREA) – MDAQMD PERMIT T014749 – consisting of:
Alkaline Cleaning and Parkerizing (Mn phosphate) Tank; Gardobond G 4040.
Surface area of solution: 150 sq ft (96" L X 48" W X 48" D)
Total operating volume 838 gallons;
Solution Depth 42".
Freeboard height 6".
Operating temperature: 205 deg F
Open tank exhaust rate is 100 cfm/sf. Tank heater mfg by Eclipse, natural gas immersion type burner rated at 0.83 MMBtu/hr, Model No. IJ-4, and all associated exhaust duct work and fans.

PERMIT CONDITIONS:

1. The tank shall be equipped with a vapor collection hood located along the back of the tank.
[District Rule 1302]

2. The vapor collection hood and fan shall be in operation at all times when the tank is in use.
[District Rule 1302]

3. This dip tank must be covered at all times when containing a chemical agent except when parts are being loaded, unloaded, or while suspended and draining into the dip tank.

[District Rules 1302(B)(1)(a) and 1320]

4. Only chemicals/solutions identified in the above description may be stored in this dip tank.
[District Rule 1302(B)(1)(a)]

5. No materials containing VOCs are permitted in this tank. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable material used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. Alternatively, VOC content may be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
[District Rule 1303(A)

6. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
   a. material safety data sheet(s) for chemical(s) stored in the tank;
   b. date and amount of chemical(s) being added to the tank (summarized monthly);
   c. daily tank heater usage, in hours, summarized monthly, as required by condition #10; and
   d. daily self-inspection checklist.

   [District Rule 1303(A)- BACT; District Rule 1203(D)(1)(d)(ii)]

7. Tank heater can only be fired on natural gas. O/o must provide fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method to District, state or Federal personnel on request.
[District Rule 431; District Rule 1303(A)- BACT]

8. Owner/operator surrendered valid emission reduction credits prior to the construction of equipment units with District permit numbers T012039 through T012044 (BLDG 573 Small Arms Area) in the following amounts (in lbs per year); NOx (offset ratio 1.3:1): 109 PM10 (offset ratio 1.0:1): 36 Note: District Permit T012041 replaces District Permit T003095. Permit T003095 was properly canceled.
[District Rule 1303(B)]

9. Tank burners #1, #2, #6, and #7 (District Permits T012039, T012044, T014749, and T014750) shall not exceed a combined total of 2470 operating hours in each consecutive 12 month period. Owner/operator shall monitor and record the duration, in hours per day (summarized monthly), that tanks #1, #2, #6, and #7 are in operation. (Daily) Operation is defined as from the time each burner commences firing and lasting until each burner ceases firing.
[District Rule 1302]

DDDD. DIP TANK #7 (BLDG 573, SMALL ARMS AREA) – MDAQMD PERMIT T014750 – consisting of:
Parkerizing (Mn phosphate) Tank; Gardobond G 4040.
Surface area of solution: 150 sq ft (96" L X 48" W X 48" D)
Total operating volume 838 gallons;
Solution Depth 42".
Freeboard height 6".
Operating temperature: 205 deg F
Open tank exhaust rate is 100 cfm/sf. Tank heater mfg by Eclipse, natural gas immersion type burner rated at 0.83 MMBtu/hr, Model No. IJ-4, and all associated exhaust duct work and fans.

PERMIT CONDITIONS:

1. The tank shall be equipped with a vapor collection hood located along the back of the tank.
[District Rule 1302]

2. The vapor collection hood and fan shall be in operation at all times when the tank is in use.
[District Rule 1302]

3. This dip tank must be covered at all times when containing a chemical agent except when parts are being loaded, unloaded, or while suspended and draining into the dip tank.
[District Rules 1302(B)(1)(a) and 1320]

4. Only chemicals/solutions identified in the above description may be stored in this dip tank.
[District Rule 1302(B)(1)(a)]

5. No materials containing VOCs are permitted in this tank. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable material used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. Alternatively, VOC content may be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
[District Rule 1303(A)

6. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.

a. material safety data sheet(s) for chemical(s) stored in the tank;
b. date and amount of chemical(s) being added to the tank (summarized monthly);
c. daily tank heater usage, in hours, summarized monthly, as required by condition #10; and
d. daily self-inspection checklist.

[District Rule 1303(A)- BACT; District Rule 1203(D)(1)(d)(ii)]

7. Tank heater can only be fired on natural gas. O/o must provide fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method to District, state or Federal personnel on request.
[District Rule 431; District Rule 1303(A)- BACT]

8. Owner/operator surrendered valid emission reduction credits prior to the construction of equipment units with District permit numbers T012039 through T012044 (BLDG 573 Small Arms Area) in the following amounts (in lbs per year); NOx (offset ratio 1.3:1): 109 PM10 (offset ratio 1.0:1): 36 Note: District Permit T012041 replaces District Permit T003095. Permit T003095 was properly canceled.
[District Rule 1303(B)]

9. Tank burners #1, #2, #6, and #7 (District Permits T012039, T012044, T014749, and T014750) shall not exceed a combined total of 2470 operating hours in each consecutive 12 month period. Owner/operator shall monitor and record the duration, in hours per day (summarized monthly), that tanks #1, #2, #6, and #7 are in operation. (Daily) Operation is defined as from the time each burner commences firing and lasting until each burner ceases firing.
[District Rule 1302]

A facility-wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request. [Rule 107(b); HSC 39607 and 44341-44342; 40 CFR 51, subpart A]

PART IV
STANDARD FEDERAL OPERATING PERMIT 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. 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. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing to determine whether cause exists for modifying, revoking and reissuing, terminating, or determining compliance with the Federal Operating Permit.
   [District Rule 1203(D)(1)(f)(vii); 40 CFR 70.6(a)(6)(v)]

8. Owner/Operator shall furnish to qualified District, CARB or EPA personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
   [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. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[District Rule 1203(D)(1)(f)(ix); 40 CFR 70.6(a)(7)]

11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[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. This facility is not subject to 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 Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
    [40 CFR Part 82, Subpart F]

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

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

PART V
OPERATIONAL FLEXIBILITY

OFF PERMIT CHANGES

A. ALTERNATIVE OPERATING SCENARIO(S):

There are currently no defined alternative operating scenarios not otherwise already specified in this federal operating permit.

B. OFF PERMIT CHANGES

I. 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 Rule 219; and
      1. The proposed change is not:
         a. Subject to any requirements under Title IV of the Federal Clean Air Act [*See District Rule 1203(E)(1)(c)(i)(b)(2)]*; or
         b. A modification under Title I of the Federal Clean Air Act *[See District Rule 1203(E)(1)(c)(i)(b)(2).]*; or
         c. A modification subject to Regulation XIII *[See District Rule 1203(E)(1)(c)(i) (b)(2).]*; and
         d. The change does not violate any Federal, State or Local requirement, including an applicable requirement *[See District Rule 1203(E)(1)(c)(i)(b)(1).]*; 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). *[See District Rule 1203(E)(1)(c)(i)(b)(3).]*

II. Procedure for "Off Permit" Changes
   A. If a proposed "Off Permit Change" qualifies under Part V, Section (A)(I)(A)(1) above, permittee shall implement the change as follows:
      1. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulations II and XIII. *[See District Rule 1203(E)(1)(c)(ii)(a).]*
      2. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
         a. A notification that this application is also an application for an "Off Permit" Change pursuant to this condition; *[See District Rule 1203(E)(1)(c)(ii)(b)(1).]*
         b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See District Rule 1203(E)(1)(c)(ii)(b)(2).]*
         c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. *[See District Rule 1203(E)(1)(c)(ii)(b)(3).]*
      3. Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See District Rule 1203(E)(1)(c)(ii)(c).]*
   B. 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. *[See District Rule 1203(E)(1)(c)(ii)(e).]*

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

D. Permittee shall include each Off Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). *[See District Rule 1203(E)(1)(c)(ii)(d)(2).]*

III. Other Requirements:

A. The provisions of District Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition. *[See District Rule 1203(E)(1)(c)(iii)]*

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

PART VI
CONVENTIONS, ABBREVIATIONS, DEFINITIONS, SIP RULE CITATIONS/HISTORY

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

40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS)
40 CFR Part 60, Appendix F, Quality Assurance Procedures
40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
40 CFR Part 61, Subpart M, National Emission Standards for Asbestos
40 CFR Part 63, National Emission Standards For Hazardous Air Pollutants For Affected Source Categories
40 CFR Part 70, State Operating Permit Programs
40 CFR Part 72, Permits Regulation (Acid Rain Program)
40 CFR Part 73, Sulfur Dioxide Allowance System
40 CFR Part 75, Continuous Emission Monitoring
40 CFR Part 75, Subpart D, Missing Data Substitution Procedures
40 CFR Part 75, Appendix B, Quality Assurance and Quality Control Procedures
40 CFR Part 75, Appendix C, Missing Data Estimating Procedures
40 CFR Part 75, Appendix D, Optional SO2 Emissions Data Protocol
40 CFR Part 75, Appendix F, Conversion Procedures
40 CFR Part 75, Appendix G, Determination of CO2 Emissions
40 CFR Part 80, Regulation of Fuels and Fuel Additives
40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners
40 CFR Part 82, Subpart F, Recycling and Emissions Reduction

B. Definitions and District Permit Structure:

1. Unless otherwise noted, a “day” shall be considered a 24-hour period from midnight to midnight.
2. Unless otherwise noted, a “year” shall be considered a 12 month rolling sum, unless otherwise specifically defined where used.
3. 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.
4. District permit numbers are comprised of a one-letter prefix followed by a unique six digit number. The letter prefixes indicate the type of equipment that is being permitted, as follows:

Letter	Permit Type
A	Abrasive Blasting Equipment
B	Basic Equipment
C	Air Pollution Control Equipment
E	Emergency Internal Combustion Engine

G Gasoline Dispensing Facility
S Spray Booth
T Tanks (or Silos)

C. Abbreviations used in this permit are as follows:

acfm .....Actual Cubic Feet per Minute
ACFM.....Actual Cubic Feet per Minute
ACM .....Asbestos Containing Materials
APCO.....Air Pollution Control Officer
ARB .....Air Resources Board (California Air Resources Board)
ASTM .....American Society for Testing and Materials
BACT.....Best Available Control Technology
bhp .....Brake Horse Power
Btu.....British Thermal Units
Btu/hour .....British Thermal Units per Hour
CAM .....Compliance Assurance Monitoring
CARB .....California Air Resources Board
CCR .....California Code of Regulations
CEMS .....Continuous Emissions Monitoring System
CFR.....Code of Federal Regulations
CFM.....Cubic Feet per Minute
CO.....Carbon Monoxide
CO2.....Carbon Dioxide
deg C.....Degrees Celsius
deg F .....Degrees Fahrenheit
District .....Mojave Desert Air Quality Management District (formed July 1993)
EPA.....Environmental Protection Agency
EtOH.....Ethyl Alcohol
EtOH/H2O ....Ethyl alcohol mixed with water
Ex. Order.....Executive Order
FOP .....Federal Operating Permit
FR .....Federal Register
ft.....Feet
ft/min.....Feet/Minute
gal/min .....Gallons per Minute
gpm .....Gallons per Minute
g/l .....Grams per Liter
gr/L .....Grains per Liter
HEPA.....High Efficiency Particulate Air
HVLP.....High Volume Low Pressure
hp .....Horsepower
hr.....Hour
ICE.....Internal Combustion Engine
in .....Inch
Km .....Kilometer
Kw.....Kilowatt

kW.....Kilowatt
lb .....Pound
lb/gal .....Pounds per gallon
lb/sec.....Pounds per second
MCLB.....Marine Corps Logistics Base, Barstow, CA
MDAQMD....Mojave Desert Air Quality Management District (formed July 1993)
MMBtu/hr.....Million British Thermal Units per Hour
mm Hg .....Millimeters of Mercury (Pressure)
mph .....Miles Per Hour
NOx.....Oxides of Nitrogen
NO_2 .....Nitrogen Dioxide
O/o .....Owner/operator
Pb .....Lead
PUC.....Public Utility Commission
PM_{10}.....Particulate matter less than 10 microns aerodynamic diameter
ppmv .....Parts Per Million by Volume
ppmvd .....Parts Per Million by Volume, Dry
psi.....Pounds per Square Inch
psia.....Pounds per Square Inch Absolute
psig.....Pounds per Square Inch Gage
R&D.....Research and Development
RDT&E.....Research, Development, Test, and Evaluation
rpm.....Revolutions Per Minute
SAE.....Society of Automotive Engineers
SCC.....Source Classification Code
scfm.....Standard Cubic Feet per Minute
SCFM.....Standard Cubic Feet per Minute
SIC .....Standard Industrial Classification
SIP.....State (of California) Implementation Plan
SO2 .....Sulfur Dioxide
USEPA.....United States Environmental Protection Agency
USMC.....United States Marine Corps
USN .....United States Navy
UTM .....Universal Transverse Mercator
VOC.....Volatile Organic Compound(s)
µm.....Micrometer (0.000001 meter)
^{o}C .....Degrees Celsius
°F .....Degrees Fahrenheit

D. SIP Rule Citations for Mojave Desert Air Quality Management District Rules

Agency	Rule #	Rule Title	Area	Rule Book Version	SIP Version	CFR	FR Date	FR Cite
Old SB	5 (a)	Public Availability of Emissions Data	SBC	None	Bef 02/73	40 CFR 52.2236(e)(4)(i)(A)	12/21/1978	43 FR 59489
RC	51	Nuisance	RC	MD 402, 07/25/1977 via Res. 94-03	Bef 02/72	40 CFR 52.220(c)(21)(xv)(A)	6/14/1978	43 FR 25684
RC	52	Particulate Matter - Concentration	RC	MD 405, 07/25/1977 via Res. 94-03	Bef 06/72	40 CFR 52.220(c)(?)	5/31/1977	
Old SB	52A	Particulate Matter - Concentration	SBC			40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
Old SB	53A	Specific Air Contaminants	SBC			40 CFR 52.220.(c)(1-2)	9/22/1972	34 FR 19812
RC	53	Specific Air Contaminants	RC			40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
Old SB	53.2	Sulfur Recovery Units	SBC			40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
Old SB	53.3	Sulfuric Acid Units	SBC			40 CFR 52.220.(c)(1-2)	9/22/1972	34 FR 19812
RC	54	Solid Particulate Matter, Weight	RC	MD 405, 07/25/1977 via Res. 94-03	Bef 06/72	40 CFR 52.220.(c)(1-2)	9/22/1972	34 FR 19812
Old SB	54A	Solid Particulate Matter, Weight	SBC	MD 405, 07/25/1977	Unknown	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 4011
RC	56	Scavenger Plants	RC	None	G-73	40 CFR 52.240(a)(1)&(d)(1)(i)	1/16/1981	46 FR 3883
RC	58	Disposal of Solid and Liquid Wastes	RC	MD 473, 7/25/77 via Reso 04-03	Bef 06/72	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
Old SB	58 A	Disposal of Solid and Liquid Wastes	SBC	MD 473, 07/25/77	Bef 02/72	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011

Old SB	62.1	Sulfur Content of Natural Gas	SBC	None but See MD 431	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
Old SB	67	Fuel Burning Equipment	N/A	None but See MD 474 and 476	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
RC	67	Fuel Burning Equipment	RC	None but See MD 474 and 476	Bef 11/79	40 CFR 52.280(b)(1)(ii)(C)	6/9/1982	47 FR 25013
Old SB	69	Vacuum Producing Devices or Systems	SBC	Fed Neg Dec. 12/21/1994	Bef 02/72	40 CFR 52.280(c)(1)(i)	5/18/1981	46 FR 27116
Old SB	70	Asphalt Air Blowing	SBC	Fed Neg Dec. 10/26/1994	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR3886
RC	72	Fuel Burning Equipment	RC	MD 474, 01/22/1996; MD 475 03/16/1981; and MD 476 01/22/1996 via Res. 94-03	Bef 11/79	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3886
RC	73	Lead Content and Volatility of Gasoline	RC	None	G-73	40 CFR 52.280(c)(1)(i)	5/18/1981	46 FR 27116
Old SB	73	Dry Sandblasting	SBC	None	Bef 02/72	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 4001
RC	74	Vacuum Producing Devices or Systems	RC	Fed Neg Dec12/21/1994	Bef 06/72	40 CFR 52.220(C)(27)(v)	6/14/1978	43 FR 25684
SC	101	Title	RC	7/1/1993 via Res. 94-03	Bef 11/77	40 CFR 52.269(b)(3)(ii)(A)		
SB	101	Title	SBC	7/1/1993	12/19/1998	FR Text	6/9/1982	47 FR 25013
MD	102	Definition of Terms	MD			40 CFR 52.220(c)(179)(i)(B)	11/27/1990	55 FR 49281
MD	102	Definition of Terms	MD	9/28/2020	(SIP Sub)	40 CFR 52.220(c)(520)(i)(A)(1)	7/2/2019	84 FR 31682
MD	103	Definition of District Boundaries	MD	6/28/1995	Current			
SB	103	Definition of Terms (Unknown rule - no record except in FR reference)	SBC	None	Bef 11/77	40 CFR 52.220(c)(224)(i)(C)(2)	6/3/1999	64 FR 29790

SC	104	Reporting of Source Data Analysis	RC			40 CFR 52.236(e)(3)(i)	1/16/1981	46 FR 3883
SB	104	Reporting of Source Data Analysis	SB	12/19/1988	Current	FR Text	6/9/1982	47 FR 25013
SC	106	Increments of Progress	RC			40 CFR 52.220(c)(179)(i)(B)(i)		
SB	106	Increments of Progress	SB	12/19/1988	Current	FR Text	6/9/1982	47 FR 25013
MD	107	Certification and Emissions Statements	MD	9/14/1992	Current	40 CFR 52.220(c)(179)(i)(B)(i)	11/27/1990	55 FR 49281
SC	107	Determination of Volatile Organic Compounds in Coating Material	RC		Bef 3/1/82	40 CFR 52.220(c)(190)(i)(F)(1)	5/26/2004	69 FR 29880
SC	108	Alternate Emission Control Plans	RC	None	4/6/1990	40 CFR 52.220(c)(121)(c)(v)(B)	10/11/1983	48 FR 46046
SC	109	Record keeping for Volatile Organic Compound Emissions	RC	None	Bef 09/92	40 CFR 52.220(c)(182)(i)(A)(3)	8/30/1993	58 FR 45445
SB	201	Permit to Construct	SBC	7/25/1977	G-73	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	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	202	Temporary Permit to Operate	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	202	Temporary Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	203	Permit to Operate	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	203	Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	204	Permit Conditions	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	204	Permit Conditions	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	205	Cancellation of Application	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	205	Cancellation of Application	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	206	Posting of Permit to Operate	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	206	Posting of Permit to Operate	RC	7/25/1977 via Res.94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237

SB	207	Altering or Falsifying of Permit	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	207	Altering or Falsifying of Permit	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	208	Permit for Open Burning	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	208	Permit for Open Burning	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SB	209	Transfer and Voiding of Permit	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	209	Transfer and Voiding of Permit	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	212	Standards for Approving Permits	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	212	Standards for Approving Permits	RC	7/25/1977 via Res. 94-03	5/1/1987	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	212	Standards for Approving Permits	SBC	7/25/1977	G-73	40 CFR 52.220(c)(173)(i)(A)(1)	2/3/1989	54 FR 5448
SB	217	Provision for Sampling and Testing Facilities	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	217	Provision for Sampling and Testing Facilities	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SO	218	Stack Monitoring	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	218	Stack Monitoring	RC	7/25/1977 via Res. 94-03	Bef 10/81	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SB	219	Equipment Not Requiring a Written Permit	SBC	1/28/2019	G-73	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SC	219	Equipment Not Requiring a Written Permit Pursuant to Regulation II	RC	1/28/2019	9/4/1981	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
MD	219	Equipment Not Requiring a Written Permit	MD	1/25/2021	(SIP Sub)	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SC	220	Exemtion, Net Increase in Emissions	RC	11/25/1991 via Res. 94-03	8/7/1981		11/25/2022	87 FR 72434
SC	221	Plans	RC	None	1/4/1985	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231

MD	221	Federal Operating Permit Requirement	MD	2/28/2011	2/21/1994	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	(SIP Sub)	40 CFR 52.220(c)(216)(i)(A)(2)	2/5/1996	61 FR 4217
MD	222	Limitation on Potential to Emit	MD	2/28/2011	7/31/1995			
MD	222	Limitation on Potential to Emit	MD	2/28/2011	(SIP Sub)	40 CFR 52.220(c)(225)(i)(H)(1)	8/31/2004	69 FR 53005
SC	301.2	Fee Schedules	RC	None	6/3/1983			
MD	315	Federal Clean Air Act Section 185 Penalty	MD	2/23/2023	(SIP Sub)	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
MD	315.1	Federal Clean Air Act Section 185 Penalty (1997 Standard)	MD	2/28/2011	(SIP Sub)			
MD	315.2	Federal Clean Air Act Section 185 Penalty (2008 Standard)	MD	2/28/2011	(SIP Sub)			
SC	401	Visible Emissions	RC		3/2/1984			
MD	401	Visible Emissions	MD	8/26/2019	(SIP Sub)	40 CFR 52.220(c)(155)(iv)(B)	1/29/1985	50 FR 3906
SB	403	Fugitive Dust	SBC		G-73			
SC	403	Fugitive Dust	RC			40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	403	Fugitive Dust	MD	9/28/2020		FR Text	6/9/1982	47 FR 25013
MD	403.1	Respirable Particulate Matter in SVPA	MD		11/25/1996			
SB	404	Particulate Matter, Concentration	SB	7/25/1977	7/25/1977	40 CFR 52.220(c)(224)(i)(C)(2)	8/13/2009	74 FR 40750
SC	404	Particulate Matter, Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52482
SC	404	Particulate Matter, Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	FR Text	6/9/1982	47 FR 25013
MD	404	Particulate Matter - Concentration	MD	2/28/2022	(SIP Sub)	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
SB	405	Solid Particulate Matter, Weight	SB	7/25/1997	7/25/1977			
SC	405	Solid Particulate Matter, Weight	RC	7/25/1977 via Res. 94-03	5/7/1976	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489

MD	405	Solid Particulate Matter, Weight	MD	2/28/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
MD	406	Specific Contaminants	RC	2/20/1979 via Res. 94-03	RC Rule 53			
SB	406	Specific Contaminants	SBC	2/20/1979	7/25/1977			
MD	406	Specific Contaminants	MD	3/28/2022	(SIP Sub)	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489
SB	407	Liquid and Gaseous Air Contaminants	SBC	7/25/1977	G-73			
SC	407	Liquid and Gaseous Air Contaminants	RC	7/25/1977 via Res. 94-03	4/2/1982	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	407	Liquid and Gaseous Air Contaminants	MD	3/28/2022	(SIP Sub)	40 CFR 52.220(c)(124)(iv)(A)	11/10/1982	47 FR 50864
SB	408	Circumvention	SBC	7/25/1977	G-73			
SC	408	Circumvention	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	408	Circumvention	MD	4/25/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
SB	409	Combustion Contaminants	SBC	7/25/1977	G-73			
SC	409	Combustion Contaminants	RC	7/25/1977 via Res. 94-03	8/7/1981	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	409	Combustion Contaminants	MD	4/25/2022	(SIP Sub)	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SB	431	Sulfur Content of Fuels	SB	7/25/1977	G-73			
MD	431	Sulfur Content of Fuels	MD	9/28/2020	(SIP Sub)	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
SC	431.1	Sulfur Content of Gaseous Fuels	RC	See MD 431	5/6/1983			
SC	431.2	Sulfur Content of Liquid Fuels	RC	See MD 431	Bef 8/80	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
SC	431.3	Sulfur Content of fossil Fuels	RC	See MD 431	Bef 8/80	FR Text	6/9/1982	47 FR 25013
SB	432	Gasoline Specifications	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	432	Gasoline Specifications	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	432	Gasoline Specifications	MD	4/25/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013

MD	442	Usage of Solvents	MD	2/27/2006	Current			
SB	443	Labeling of Solvents	SB			40 CFR 52.220(c)(347)(i)(C)(1)	9/17/2007	72 FR 52791
SC	443	Labeling of Solvents	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	444	Open Fires	MD	9/25/2006	Current	FR Text	6/9/1982	47 FR 25013
MD	461	Gasoline Transfer and Dispensing	MD			40 CFR 52.220(c)(350)(B)(1)	10/31/2007	72 FR 61525
MD	461	Gasoline Transfer and Dispensing	MD	1/22/2018	Current	40 CFR 52.220(c)(198)(i)(E)(1)	5/3/1995	60 FR 21702
MD	462	Organic Liquid Loading	MD	1/22/2018	Current	40 CFR 52.220(c)(518)(i)(A)(3)	5/1/2020	85 FR 25293
MD	463	Storage of Organic Liquids	MD	1/22/2018	Current	40 CFR 52.220(c)(518)(i)(A)(4)	5/1/2020	85 FR 25293
MD	464	Oil Water Separators	MD	6/12/2014	Current	40 CFR 52.220(c)(518)(i)(A)(5)	5/1/2020	85 FR 25293
SC	465	Vacuum Producing Devices orSystems	RC	Rescinded & Fed. Neg. Dec 12/21/1994	Bef 5/91	40 CFR 52.220(c)(457)(i)(B)(1)	6/5/2015	80 FR 32026
MD	465	Vacuum Producing Devices or Systems (Rescinded)	MD	Rescinded & Fed. Neg. Dec 12/21/1994	Not SIP	40 CFR 52.220(c)(184)(i)(B)(2)	8/11/1992	57 FR 35759
SC	466	Pumps and Compressors	RC	Rescinded & See 1102 10/26/94	Bef 12/83	40 CFR 52.222(a)(1)(iii)	9/11/1995	60 FR 47074
MD	466	Pumps and Compressors (Rescinded)	MD	Rescinded & See 1102 10/26/94	Not SIP	40 CFR 52.220(c)(166)(i)(A)(1)	1/15/1987	52 FR 1627
SC	466.1	Valves and Flanges	RC	None	5/2/1980	40 CFR 52.220(c)(39)(ii)(G)	8/19/1999	64 FR 45175
SB	468	Sulfur Recovery Units	SBC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013
SC	468	Sulfur Recovery Units	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	468	Sulfur Recovery Units	MD	8/22/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
SB	469	Sulfuric Acid Units	SB	7/25/1977	G-73			

SC	469	Sulfuric Acid Units	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	469	Sulfuric Acid Units	MD	8/22/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
SC	470	Asphalt Air Blowing	RC	N/A	G-73			
MD	471	Asphalt Roofing Operations		12/21/1994	Current	FR Text	6/9/1982	47 FR 25013
SB	472	Reduction of Animal Matter	SBC	7/21/1977	G-73	40 CFR 52.220(c)(210)(i)(C)(2)	2/29/1996	61 FR 7706
SC	472	Reduction of Animal Matter	RC	7/25/1977 via Res. 94-03	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	472	Reduction of Animal Matter	MD	7/21/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
SB	473	Disposal of Liquid and Solid Wastes	SB	7/25/1977	G-73			
MD	473	Disposal of Liquid and Solid Wastes	MD	TBD	(SIP Sub)	40 CFR 52.220(c)(39(ii)(C)	9/8/1978	43 FR 40011
MD	474	Fuel Burning Equipment - Oxides of Nitrogen	MD	8/25 1997	Current			
MD	475	Electric Power Generating Equipment	MD	8/25/1997	Current	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
MD	476	Steam Generating Equipment	MD	8/25/1997	Current	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
SB	480	Natural Gas Fired Control Devices	SBC	2/20/1979	Current	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
MD	480	Natural Gas Fired Control Devices (Rescinded)	MD	9/26/2022	(SIP Sub)	40 CFR 52.220(c)(51)(xii)(A)	1/27/1981	46 FR 8471
SC	481	Spray Coating Operations	RC	1113, 1114, 1115 & 1116	5/5/1978			
SC	501	General	RC	6/10/2019	Bef 8/80	FR Text	6/9/1982	47 FR 25013
MD	701	Emergencies (Consolidation of Reg VII)	MD	9/26/2022	(SIP Sub)	FR Text	6/9/1982	47 FR 25013
MD	900	Standards of Performance for New Stationary Sources	MD	1/24/2022	Delegated			
MD	1000	National emissions Standards fro Hazardous Air Pollutants	MD	1/24/2022	Delegated			
SC	1101	Secondary Lead Smelters/Sulfur Oxides (SC Adopted 10/7/77)	RC	None	4/4/1980			

SC	1102	Petroleum Solvent Dry Cleaners (SC Amended 12/7/90)	RC	None	12/7/1990	FR Text	6/9/1982	47 FR 25013
MD	1102	Fugitive Emissions of VOC's from Components at Pipeline Transfer Stations	MD	10/26/1994	Current	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
SC	1102	Perchloroethylene Dry Cleaning Systems	RC	None	12/7/1990	40 CFR 52.220(c)(207)(i)(D)	9/27/1995	60 FR 49772
SC	1103	Pharmaceuticals and Cosmetics Manufacturing Operation	RC	None	4/6/1980	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
MD	1103	Cutback and Emulsified Asphalt	MD	12/21/1994	Current	40 CFR 52.220(c)(69)(iii)	7/8/1982	47 FR 29668
SC	1104	Wood Flat Stock Coating Operations (SC Amended 8/2/91)	RC	None	3/1/1991	40 CFR 52.220(c)(207)(i)(C)(1)	2/5/1996	61 FR 4215
MD	1104	Organic Solvent Degreasing Operations	MD	4/23/2018	Current	40 CFR 52.220(c)(186)(i)(C)(1)	6/23/1994	59 FR 32354
SC	1105	Fluid Catalytic Cracking Units Oxides of Sulfur (SC Adopted 9/8/84)	RC	None	9/8/1984	40 CFR 52.220(c)(519)(i)(A)(1)	7/2/2019	84 FR 31682
MD	1106	Marine & Pleasure Craft Coating Operations	MD	10/24/2016	Current	40 CFR 52.220(c)(159)(v)(C)	7/12/1990	55 FR 28625
SC	1107	Miscellaneous Metal Parts, Products and Coatings Operations.	RC	None	9/6/1991	40 CFR 52.220(c)(498)(i)(B)(1)	2/12/2018	83 FR 5940
SC	1108	Cutback Asphalt	RC	None	2/1/1985	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66285
SC	1108	Elmusified Asphalt	RC	None	Bef 3/84	40 CFR 52.220(c)(160)(i)(E)(1)	7/12/1990	55 FR 28624
SC	1110	Emissions from Stationary Internal Combustion Engines.	RC	None	Bef 3/82	40 CFR 52.220(c)(153)(vii)(A)	1/24/1985	50 FR 3339
SC	1111	NOx Emissions from Natural Gas Fired, Fan Type Central Furnaces	RC	None	Bef 10/83	40 CFR 52.220(c)(121)(i)(C)	5/3/1984	47 FR 18822
SC	1112	Emissions of Oxides of Nitrogen from Cement Kilns	RC	None	1/6/1984	40 CFR 52.220(c)(148)(vi)(A)	5/3/1984	49 FR 18830

SC	1113	Architectural Coatings	RC		Bef 7/84	40 CFR 52.220(c)(154)(vii)(B)	1/7/1986	51 FR 600
MD	1113	Architectural Coatings	MD	4/23/2012	4/23/2012	40 CFR 52.220(c)(155)(iv)(A)	1/24/1985	50 FR 3339
MD	1113	Architectural Coatings	MD	10/26/2020	(SIP Sub)	40 CFR 52.220(c)(428)(i)(C)(1)	1/3/2014	79 FR 365
MD	1114	Wood Products Coating Operations	MD	8/24/2020	Current			
SC	1115	Motor Vehicle Assembly and Component Coating Operations	RC	None	3/6/1992	40 CFR 52.220(c)(558)(i)(a)(1)	7/28/2021	86 FR 40335
MD	1115	Metal Parts & Products Coating Operations	MD	6/8/2020	Current	40 CFR 52.220(c)(189)(i)(A)(1)	12/20/1993	58 FR 66282
MD	1116	Automative Refinishing Operations	MD	8/23/2010	Current	40 CFR 52.220(c)(571)(i)(A)(1)	5/9/2022	87 FR 27526
SC	1117	Emissions of Oxides of Nitrogen from Glass Melting Furnaces	RC	None	SC 1/6/1984	40 CFR 52.220(c)(388)(i)(F)(1)	8/19/2012	77 FR 47536
MD	1117	Graphic Arts	MD			40 CFR 52.220(c)(159)(v)(D)	7/12/1990	55 FR 28624
MD	1117	Graphic Arts	MD	8/24/2020	(SIP Sub)	40 CFR 52.220(c)(381)(i)(H)(1)	3/1/2012	77 FR 12495
MD	1118	Aerospace Vehicle Parts & Products Coating Operations	MD					
MD	1118	Aerospace Assembly, Reqork and Component Manufacturing Operations	MD	6/8/2020	(SIP Sub)	40 CFR 52.220(c)(485)(i)(B)(1)	6/21/2017	82 FR 28240
SC	1119	Petroleum Coke Calcining Operations Oxides of Sulfur	RC	None	3/2/1979			
SC	1120	Asphalt Pavement Heaters	RC	None	8/4/1978	40 CFR 52.220(c)(88)(iii)(A)	9/28/1981	46 FR 47451
SC	1121	Control of Nitrogen Oxides from Residential Type Natural Gas Fired Water Heaters	RC	None	12/1/1978	40 CFR 52.220(c)(65)(ii)	9/28/1981	46 FR 47451
SC	1122	Solvent Metal Cleaners (Degreasers)	RC	None	7/8/1983	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451

SC	1123	Refinery Process Turnaround	RC	None	SC 12/7/1990	40 CFR 52.220(c)(148)(vi)(B)	10/3/1984	49 FR 39057
SC	1124	Aerospace Assembly and Component Coating Operations	RC	None	1/6/1984	40 CFR 52.220(c)(184)(i)(B)(2)	8/11/1992	57 FR 35758
SC	1125	Metal Container, Closure and Coil Coating Operations	RC	None	SC 8/2/1991	40 CFR 52.220(c)(154)(vii)(A)	1/24/1985	50 FR 3339
SC	1126	Magnet Wire Coating Operations	RC	None	SC 3/6/1992	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17898
MD	1126	Municipal Solid Waste Landfills	MD	8/28/2000	Not SIP	40 CFR 52.220(c)(189)(i)(A)(2)	12/20/1993	58 FR 66286
SC	1128	Paper, Fabric and Film Coating Operations	RC	None	SC 2/7/1992	40 CFR 60.23		
SC	1130	Graphic Arts	RC	None	Bef 5/1993	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66287
SC	1136	Wood Furniture and Cabinet Coatings	RC	None	Bef 5/92	40 CFR 52.220(c)(193)(i)(A)(2)	4/14/1994	59 FR 17698
SC	1140	Abrasive Blasting	RC		2/1/1980	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17698
SC	1141	Control of Volatile Organic Compound Emissions from Resin Manufacturing	RC	None	SC 4/3/1992	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451
SC	1141	Coatings and Ink Manufacturing	RC	None	11/4/1983	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66286
SC	1141	Surfactant Manufacturing	RC	None	SC 7/6/1984	40 CFR 52.220(c)(153)(vii)(B)	1/24/1985	50 FR 3339
SC	1142	Marine Tank Vessel Operations	RC	None		40 CFR 52.220(c)(156)(vii)(A)	1/15/1987	52 FR 1627
SC	1145	Plastic, Rubber and Glass Coatings	RC	None	SC 1/10/1992	40 CFR 52.220(c)(187)(i)(C)(1)		
SC	1148	Thermally Enhanced Oil Recovery Wells	RC	None	Bef 10/1983	40 CFR 52.220(c)(191)(i)(A)(1)	12/20/1993	58 FR 66286

SC	1151	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations	RC	None	Bef 5/13/1993	40 CFR 52.220(c)(148)(vi)(B)	??	??
SC	1153	Commercial Bakery Ovens	RC	None	SC 1/4/1991	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66286
MD	1157	Boilers and Process Heaters	MD	1/22/2018	5/19/1997	40 CFR 52.220(c)(184)(i)(B)(3)	9/29/1993	58 FR 50850
MD	1157	Boilers and Process Heaters	MD	1/22/2018	(SIP Sub)	40 CFR 52.220(c)(248)(i)(D)	4/20/1999	64 FR 19277
SC	1158	Storage, Handling and Transport of Petroleum Coke	RC	None	SC Bef 5/93			
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	8/25/1997	40 CFR 52.220(c)(153)(vii)(B)	1/15/1987	52 FR 1627
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	Withdrawa n	40 CFR 52.220(c)(254)(i)(H)(2)	7/20/1999	64 FR 38832
SC	1159	Nitric Acid Units - Oxides of Nitrogen	RC	None	SC 12/6/1985			
MD	1159	Stationary Gas Turbines	MD	9/28/2009	Current	40 CFR 52.220(c)(168)(I)(H)	7/12/1990	55 FR 28622
MD	1160	Internal Combustion Engines	MD		1/22/2018	40 CFR 52.220(c)(379)(i)(E)(1)	10/25/2012	77 FR 65133
MD	1160	Internal Combustion Engines	MD	1/23/2023	(SIP Sub)	40 CFR 52.220(c)(518)(i)(A)(7)	9/10/2021	86 FR 50643
MD	1161	Portland Cement Kilns	MD	1/22/2018	3/25/2002			
MD	1161	Portland Cement Kilns	MD	1/22/2018	Current	40 CFR 52.220(c)(300)(i)(A)(1)	2/27/2003	68 FR 9015
MD	1162	Polyester Resin Operations	MD	1/22/2018	8/27/2007	40 CFR 52.220(c)(518)(i)(A)(9)	6/2/2023	88 FR 36249
MD	1162	Polyester Resin Operations	MD	1/22/2018	Current	40 CFR 52.220(c)(354)(i)(B)(1)	11/24/2008	73 FR 70883
SC	1164	Semiconductor Manufacturing Operations	RC	None	Bef 10/1993	40 CFR 52.220(c)(519)(i)(A)(1)	2/27/2020	85 FR 11812
MD	1165	Glass Melting Furnaces	MD	8/12/2008	Current		10/26/1993	58 FR 48459
MD	1168	Adhesive & Sealant Applications	MD	4/27/2020	(SIP Sub)	40 CFR 52.220(c)(364)(i)(D)(1)	7/2/2012	77FR 39181

SC	1171	Solvent Cleaning	RC	None	SC 8/2/1991			
SC	1175	Control of Emissions from the Manufacture of Polymeric Cellular (Foam) Products	RC		1/5/1990	40 CFR 52.220(c)(188)(i)(C)(1)	12/20/1993	58 FR66285
SC	1176	Sumps and Wastewater Separators	RC	1/5/1990	1/5/1990	40 CFR 52.220(c)(182)(i)(A)(1)	10/26/1992	57 FR 48457
MD	1200	General (Federal Operating Permit)	MD	2/28/2011		40 CFR 52.220(c)(182)(i)(A)(1)	10/26/1992	57 FR 48459
MD	1201	Definitions (Federal Operating Permit)	MD	9/26/2005				
MD	1202	Applications	MD	9/26/2005				
MD	1203	Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1205	Modifications of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1206	Reopening, Reissuance and Termination of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1207	Notice and Comment (Federal Operating Permit)	MD	9/26/2005				
MD	1208	Certification (Federal Operating Permit)	MD	9/26/2005				
MD	1209	Appeals (Federal Operating Permit)	MD	9/26/2005				
MD	1210	Acid Rain Provisions of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1211	Greenhouse Gas Provisions of Federal Operating Permits (Federal Operating Permit)	MD	2/28/2011				
MD	1300	General	MD		3/25/1996			
MD	1300	General	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133

MD	1301	Definitions	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1301	Definitions	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1302	Procedure	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1302	Procedure	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1303	Requirements	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1303	Requirements	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1304	Emissions Calculations	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1303	Emissions Calculations	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1305	Emissions Offsets	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1305	Emissions Offsets	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1306	Electric Energy Generating Facilities	MD		3/25/1996		11/25/2022	87 FR 72434
MD	1306	Electric Energy Generating Facilities	MD	3/22/2021	(SIP Sub)	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1310	Federal Major Facilities and Federal Major Modifications	MD	Rescinded 3/22/21	(SIP Sub)		11/25/2022	87 FR 72434
MD	1400	General (Emission Reduction Credits)	MD	6/28/1995	Current			
MD	1401	Definitions (Emissions Reduction Credits)	MD	6/28/1995	Current	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1402	Emission Reduction Credits Registry	MD		6/28/1995	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1402	Emission Reduction Credist Registry	MD	5/19/1997	(SIP Sub)	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1404	Emission Reduction Credit Calculations	MD	6/28/1995	Current		11/25/2022	87 FR 72434
MD	1520	Control of Toxic Air Contaminants From Existing Sources	MD	3/25/2019	(SIP Sub)	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1600	Prevention of Significant Deterioration	MD	3/22/2021	(SIP Sub)			

MD	2001	Transportation Conformity	MD	2/22/1995	??			
MD	2002	General Federal Actions Conformity	MD	10/26/1994	Current			
MD	FND	Fed. Neg. Dec. - Asphalt Air Blowing	MD		Current	40 CFR 52.220(c)(231)(i)(C)(1)	4/23/1999	64 FR 19916
MD	FND	Fed. Neg. Dec. - Air Oxidation Process - SOCMI	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(ii)	9/11/1995	60 FR 47074
MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	RC	5/25/1994 via Res. 94-03	Unknown	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	SBC	5/25/1994	Current			
MD	FND	Fed. Neg. Dec. - Equipment Leaks from Natural Gas/Gasoline Processing Plants	MD	1/22/2007	Current		1/31/1995	60 FR 38
MD	FND	Fed. Neg. Dec. - Fugitive Emissions From Syntehetic Organic chemical Polymer and Resin manufacturing Equipment	MD	8/23/2010	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Industrial Wastewater	MD		Current	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Large Petroleum Dry Cleaners	MD	1/22/2007	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Leaks from Petroleum Refinery Equipment	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Manufacture of High-Density Polyethylene, Polypropylene, and Polystyrene Resins	MD	8/23/2010	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	RC	5/25/1994 via Res. 94-03	Unknown	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153

MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	SBC	5/25/1994	Current			
MD	FND	Fed. Neg. Dec. - Offset Lithography	MD		Current	40 CFR 52.222(a)(1)(i)	1/31/1995	60 FR 38
MD	FND	Fed. Neg. Dec. - Orchard & Citrus Heaters	MD	6/24/1996	??	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Petroleum Refinery Equipment	MD	8/23/2010	Current			
MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (Business Machines)	MD		Current	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (other)	MD		Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Pheumatic Rubber Tire Manufacturing	MD	1/22/2007	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec - Polymer Manufacturing SOCMI and Polymer manufacturing Equipment Leaks	MD	1/22/2007	Current	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	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Reactor Processes and Distillation Operations in SOCMI	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Ship Building	MD		Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Cans	MD	1/22/2007	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Surface Coating of Coils	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Fabrics	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Large Apppliances	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153

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

MD	Title V	Program - Federal Operation Permits: Title V	MD			40 CFR 52.220(c)(531)(ii)(A)(1) and 52.222(a)(1)(ix)	2/27/2020	85 FR 11812
MD	Title V	Program - Federal Operation Permits: Title V	MD		Unknown	40 CFR 70 Apx. A California (q)(2)	12/17/2001	66 FR 63503
MD	MACT	MACT Delegation (Sections A, F, G, H, I, J, L, M, N, O, Q, R, S, T, U, W, X, Y, AA, BB, CC, DD, EE, GG, HH, II, JJ KK, LL, MM, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, CCC, DDD, EEE, GGG, HHH, III, JJJ, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, TTT, UUU, VVV, XXX, AAAA, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, IIII, JJJJ, KKKK, MMMM, NNNN, OOOO, PPPP, QQQQ, RRRR, SSSS, TTTT,UUUU, VVVV, WWWW, XXXX, YYYY, ZZZZ,AAAAA, BBBBB, CCCCC, DDDDD, EEEEE, FFFFF, GGGGG,HHHHH, IIIII, JJJJJ, KKKKK, LLLLL, MMMMM, NNNNN,PPPPP,QQQQQ, RRRRR, SSSSS,TTTTT,WWWWW, YYYYY, ZZZZZ, BBBBBB, CCCCCC, DDDDDD, EEEEEE, FFFFFF, GGGGGG, HHHHHH, JJJJJJ, LLLLLL, MMMMMM, NNNNNN, OOOOOO, PPPPPP, QQQQQQ, RRRRRR, SSSSSS,	MD	Rule 1000 1/24/2022	Current	40 CFR 70 Apx. A California (q)(3)	10/15/2002	67 FR 63551

		TTTTTT, VVVVVV, WWWWWW, XXXXXX, YYYYYY, ZZZZZZ, AAAAAAA, BBBBBBB, CCCCCCC, DDDDDDD, EEEEEEE.						
MD	NESHAP	NESHAPS Delegation (Sections A, C, D, E and M)	SB	Rule 1000 1/24/2022	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, AAa, BB, CC, DD, EE, GG, HH, KK, LL, MM, NN, PP, QQ, RR, SS, TT, UU, VV, VVa, WW, AAA, BBB, DDD, FFF,GGG,GGGa, III, JJJ, KKK, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, SSS, TTT, UUU, VVV,	MD	Rule 900 1/24/2022	Current			

		WWW, AAAA, CCCC, EEEE, IIII, JJJJ, KKKK)						
MD	FND	19 Source Category FNDs (including Oil & Gas)	MD	10/28/2019	(SIP Sub)		4/30/2013	78 FR 25185
MD		Federal 70 ppb Ozone Attainment Plan (Western Mojave Desert Attainment Plan)	MD+	1/23/2023				