

MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit Number: 08700587

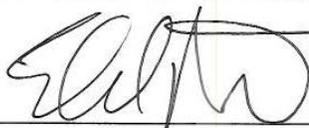
For: YERMO ANNEX

Facility: MARINE CORPS LOGISTICS BASE
BARSTOW, CALIFORNIA

Issued Pursuant to MDAQMD Regulation XII
Effective Date: March 24, 2010

This Federal Operating Permit Expires
March 24, 2015

Issued By: Eldon Heaston
Executive Director



14306 PARK AVENUE, VICTORVILLE, CALIFORNIA 92392
PHONE (760) 245-1661
FAX (760) 245-2022

PERMIT REVISIONS

July 1, 2014 Administrative Permit Amendment described as follows:

1. MCLB Yermo applied for Preconstruction Review for a new Dip Tank Line at this facility (Building 640) pursuant to the provisions of MDAQMD Regulation XIII. The following MDAQMD Permits were subsequently issued on April 21, 2014 and in accordance with MDAQMD enhanced new source review procedures are being incorporated herein as an administrative amendment; MDAQMD Permit No's. (Tank #); T011924 (#1), T011925 (#2), T011926 (#3), T011927 (#4), T011928 (#5), T011929 (#7), T011930 (#8), T011932 (#9), T011931 (#10)

Part I(B); updated equipment description table.

Part III (T); federally applicable requirements (FAR) added for each dip tank; see the Preliminary Decision for MCLB Yermo Dip Tank Line, March 4, 2014, for the statement of legal and factual basis for each FAR.

2. MCLB Yermo applied for Preconstruction Review for a modification of Small Arms Area Dip Tank Line at this facility (Building 573) pursuant to the provisions of MDAQMD Regulation XIII. The following MDAQMD Permits were subsequently issued on July 1, 2014 and in accordance with MDAQMD enhanced new source review procedures are being incorporated herein as an administrative amendment; MDAQMD Permit No's. (Tank #'s) T012039 (#1), T012044 (#2), T012042 (#4), T012040 (#5), T012043 (#9), T012041 (#11)

District permits T003092, T003374, T003376, T003377, T003093, T003378, T003379, and T003095 are pending cancellation.

Part I (B): updated equipment description table.

Part III (T); federally applicable requirements (FAR) added for each dip tank; see the Preliminary Decision for MCLB Yermo Small Arms Dip Tank Line, May 6, 2014, for the statement of legal and factual basis for each FAR.

Title page reformatted to include only pertinent title page information.

Personnel change: Jim Bustamonte replaces Paul Willis as site contact.

Revised TOC with current page numbers.

Changes made by C. Anderson

August 20, 2012 Administrative Permit Amendment described as follows:

Personnel change to Responsible Official and Alternate Responsible Official.

May 1, 2012 Permit Renewal; Revised Rule 1113 references, Page II-19 to II-20 added Rule SIP History Reference, Page VI-84; Revised Rule 442 references; Page II-15; Added Rule 1211

requirements (SIP Pending), Part II (A)(34); Part II Revised Rule 1116 VOC coating limit tables and citations to current rule version;

Part III (E)-Updated existing emergency use Diesel and Propane (including Natural Gas) IC Engine permits with all applicable requirements/citations,

Part III, Revised Paint and Undercoat Facility Emissions Cap permit condition verbiage -no net change in requirement.

Part III (S) Revised S004558, S002783 conditions consistent with District permits and including all applicable equipment specific requirements.

Part III (C) and (S) Facility proposed to install **new thermal oxidizer** VOC control (APCD) onto existing spray booth S002872. FOP includes all new applicable requirements from this District NSR action.

Part V-Off Permit Changes

Permit language corrected by removing prohibition to off permit change if the District permit modification is subject to Regulation XIII.

District Permits proposed for addition (Part I and Part III-Sections A, B, and C revised to reflect changes, Add Section G)

A010885	ABRASIVE BLAST BOOTH
B004680	WASTEWATER TREATMENT FACILITY
B004681	WASTEWATER TREATMENT FACILITY
B009545	PORTABLE DIESEL IC ENGINE, EXCAVATOR @ BLDG 614
B011440	CLARIFIER SYSTEM (BLDG 609) (functionally equivalent replacement for B004499)
B011195	METALLIZATION - COATING SYSTEM
C010858	REGENERATIVE THERMAL OXIDIZER (BLDG 573)
C010859	REGENERATIVE THERMAL OXIDIZER 2 (BLDG 573)
C011196	HEPA FILTER
C010219	DUST COLLECTOR (Bldg 629)
C010410	DUST COLLECTOR (BLDG 566)
G010744	E85 DISPENSING FACILITY

The above referenced equipment will operate in accordance with all applicable requirements as specified in Part III's operating conditions for each individual District permit.

District Permits Cancelled (Part I and III revised to reflect changes)

A003915	ABRASIVE BLASTING SYSTEM
B000935	BOILER # 7
B000936	BOILER # 8
B000937	BOILER # 9

B004499 OIL-WATER SEPARATORS NO. I AND NO. II (*Replaced by B011440*)
C004561 AIR POLLUTION CONTROL SYSTEM
C005009 HEPA VAC
C005012 HEPA VAC

Changes Made by C. Anderson

August 7, 2007 Administrative Permit Amendment described as follows:

(Modified by Samuel Oktay)

Update page 2 revisions.

Updated Title V Permit Sections I and III to reflect new District Permits: S009969 and C009968.

August 10, 2006 Significant Permit Modification described as follows: (modified by Bill)

Revise Title Page to reference page 2 for permit modification summaries.

Update Executive Director/APCO changes.

Update page 2 revisions.

Updated Title 5 permit Sections I and III to reflect new District Permits: S009622 and C009623.

July 20, 2005 Significant Permit Modification described as follows:

Revise Title Page to reference page 2 for permit modification summaries.

Insert new page 2 and added detailed summaries for previous and current Title 5 changes.

Updated Title 5 permit Sections I and III to reflect new District Permits: A009130, A009131, C009132, and C009133.

TABLE OF CONTENTS

	<u>Page</u>
Permit Revisions.....	2-4
Part I Introductory Information.....	I-7 to I-13
A. Facility Identifying Information.....	I-7
B. Equipment Description.....	I-8 to I-13
Part II Facility-wide Applicable Requirements; Emissions Limitations; Monitoring, Recordkeeping, Reporting, and Testing Requirements; Compliance Conditions; Compliance Plans.....	II-14 to II-39
A. Requirements Applicable to Entire Facility and Equipment.....	II-14
B. Facility-wide Monitoring, Recordkeeping, and Reporting Requirements.....	II-34
C. Facility-wide Compliance Conditions.....	II-38
Part III Equipment Specific Applicable Requirements; Emissions Limitations; Monitoring, Recordkeeping, Reporting, and Testing Requirements; Compliance Conditions; and Compliance Plans.....	III-40 to III-102
A. Abrasive Blasting Equipment.....	III-40
B. Basic Equipment to Include Boilers, Paint Drying and Curing Ovens, Dynamometers, Vehicle Undercoating Racks and Oil-Water Separators.....	III-53
C. Air Pollution Control Devices to Include Fabric Dust Collectors, Thermal Oxidizers, Caustic Scrubbers, Air Pollution Control Systems, and HEPA Vacs.....	III-69
D. Solvent Vapor Degreaser.....	III-86
E. Emergency Internal Combustion Engines.....	III-87
G. Gasoline Dispensing Facility.....	III-91
S. Paint Spray Booths.....	III-93
T. Tanks to Include Dip Tanks, Aboveground and Underground Tanks, and Wastewater Tanks.....	III-105
Part IV Standard Federal Operating Permit Conditions.....	IV-115 to IV-117
A. Standard Conditions.....	IV-115
Part V Operational Flexibility Provisions.....	V-118 to V-120
A. Alternative Operating Scenarios.....	V-118
B. Off Permit Changes.....	V-118
Part VI Conventions, Abbreviations, Definitions.....	VI-121 to VI-123

A. Conventions VI-121
B. Other Conventions VI-121
C. MDAQMD Rule SIP History..... VI-121
D. Abbreviations..... VI-122

PART I
INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name: United States Marine Corps (USMC)

Owner Mailing Address: COMMANDING OFFICER
Marine Corps Logistics Base
Attn: Mr. Paul Willis
Environmental Division
Box 110196
Barstow, CA 92311-5050

Facility Name: USMC Yermo Annex
Facility Location: USMC Logistics Base, Barstow, CA

Mojave Desert Air Quality Management District (MDAQMD) Federal Operating Permit Number: 08700587

MDAQMD Company Number: 0087
MDAQMD Facility Number: 00587

Responsible Official: M.L. Scalise, Colonel USMC
Title: Commanding Officer
Phone Number: (760) 577-6555

Alternate Responsible Official: Vicki J. Davis
Title: Director, Environmental Division
Phone Number: (760) 577-6937

Facility "Site" Contacts: Mr. Jim Bustamonte
Title: MCLB Air Compliance Program Manager
Phone Number: 760-577-6523

Nature of Business: National Security
SIC Code: 9711

Facility Location: Barstow, California

B. EQUIPMENT DESCRIPTION:

LISTED AS: MDAQMD PERMIT # / EQUIPMENT DESCRIPTION
(Detailed Equipment Description and Permit Conditions Listed in Part III)

A000951	ABRASIVE BLAST BOOTH
A000952	ABRASIVE BLAST BOOTH
A003915	ABRASIVE BLASTING SYSTEM (<i>cancelled, replaced by A010885</i>)
A003959	ABRASIVE BLASTING SYSTEM
A004412	ABRASIVE BLASTING CABINET
A005014	ABRASIVE BLASTER, ROTARY
A005015	ABRASIVE BLASTER ROTARY
A005113	ABRASIVE BLAST BOOTH
A008793	ABRASIVE BLAST BOOTH
A009130	SUPER BLAST BOOTH ONE (BLDG 565)
A009131	SUPER BLAST BOOTH TWO (BLDG 565)
A010885	ABRASIVE BLAST BOOTH
B000935	BOILER # 7 (<i>Cancelled</i>)
B000936*	BOILER # 8 (<i>Cancelled</i>)
B000937*	BOILER # 9 (<i>Cancelled</i>)

*70 natural gas fired units which replaced B000936 and B000937 (cancelled with ERCs issued) all are exempt from District permit requirement pursuant to Rule 219(E)(2)(b) or 219(E)(4)(d). See section III for limit on hours of operation for each unit.

B002875 PAINT DRYING OVEN

B003969 DYNAMOMETER TEST STAND

B004194 VEHICLE UNDERCOATING COMPLEX

B004397 DYNAMOMETER # 1

B004398 DYNAMOMETER # 2

B004399 DYNAMOMETER # 3

B004400 DYNAMOMETER # 4

B004401 SPIN TEST # 5

B004402 DYNAMOMETER # 6

B004403 DYNAMOMETER # 7

B004499 OIL-WATER SEPARATORS NO. I AND NO. II (*Cancelled-Replaced by
B011440*)

B004680 WASTEWATER TREATMENT FACILITY

B004681 WASTEWATER TREATMENT FACILITY

B004753 VEHICLE UNDERCOATING RACK

B008746 WASTEWATER TREATMENT PLANT/RECYCLING FACILITY

B008890 PAINT PYROLYSIS OVEN

B008921 AERATION UNIT

B009545 PORTABLE DIESEL IC ENGINE, EXCAVATOR @ BLDG 614

B011195 METALLIZATION - COATING SYSTEM

B011440 CLARIFIER SYSTEM (BLDG 609)

C003245 DUST COLLECTOR

C003247	DUST COLLECTOR
C003961	DUST COLLECTOR
C004561	AIR POLLUTION CONTROL SYSTEM (<i>Cancelled</i>)
C005009	HEPA VAC (<i>Cancelled</i>)
C005010	HEPA VAC
C005012	HEPA VAC (<i>Cancelled</i>)
C005090	ULTRAVIOLET OXIDATION SYSTEM
C008397	REGENERATIVE THERMAL OXIDIZER (BLDG 634)
C008808	DUST COLLECTOR
C009132	DUST COLLECTOR (NORTH OF BLDG 573)
C009133	DUST COLLECTOR (NORTH OF BLDG 573)
C009623	RECUPERATIVE THERMAL OXIDIZER (BLDG 634)
C009968	THERMAL OXIDIZER (BLDG 634)
C010219	DUST COLLECTOR
C010410	DUST COLLECTOR
C010858	REGENERATIVE THERMAL OXIDIZER (BLDG 573)
C010859	REGENERATIVE THERMAL OXIDIZER 2 (BLDG 573)
C011196	HEPA FILTER
C011458	THERMAL OXIDIZER SYSTEM (#3)
D005319	SOLVENT VAPOR DEGREASER
E003845	DIESEL IC ENGINE, EMERGENCY ELECTRICITY GENERATOR

- E004391 EMERGENCY INTERNAL COMBUSTION ENGINE
- E004501 DIESEL IC ENGINE, EMERGENCY GENERATOR
- E005016 DIESEL IC ENGINE, EMERGENCY AIR COMPRESSOR (#1)
- E005017 DIESEL IC ENGINE, EMERGENCY AIR COMPRESSOR (#2)
- E009529 DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 558)
- E005337 PROPANE IC ENGINE, EMERGENCY GENERATOR
- E005338 PROPANE IC ENGINE, EMERGENCY GENERATOR
- E008109 PROPANE IC ENGINE, EMERGENCY GENERATOR
- E008110 PROPANE IC ENGINE, EMERGENCY GENERATOR
- E008334 NATURAL GAS IC ENGINE, EMERGENCY GENERATOR
- G010744 E85 DISPENSING FACILITY
- S002872 PAINT SPRAY BOOTH
- S002873 PAINT SPRAY BOOTH
- S002876 FINAL COAT BOOTH
- S004558 PAINT SPRAY BOOTH
- S008392 BASE COAT BOOTH NO.1
- S008393 BASE COAT BOOTH 4 WITH CURING OVEN
- S008394 BASE COAT BOOTH 8 WITH CURING OVEN
- S008395 PRIME COAT BOOTH 10 WITH CURING OVEN
- S008396 PRIME COAT BOOTH 3 WITH CURING OVEN

S009622	PAINT SPRAY BOOTH (BLDG 634)
S009969	PAINT SPRAY BOOTH (BLDG 634)
T011924	DIP TANK
T011925	DIP TANK
T011926	DIP TANK
T011927	DIP TANK
T01928	DIP TANK
T011929	DIP TANK
T011930	DIP TANK
T011931	DIP TANK
T011932	DIP TANK
T012039	SMALL ARMS AREA, DIP TANK #1
T012044	SMALL ARMS AREA, DIP TANK #2
T012042	SMALL ARMS AREA, DIP TANK #4
T012040	SMALL ARMS AREA, DIP TANK #5
T012043	SMALL ARMS AREA, DIP TANK #9
T012041	SMALL ARMS AREA, DIP TANK #11
T003926	INDUSTRIAL WASTE WATER TANK
T003929	INDUSTRIAL WASTE WATER TANK
T005118	UNDERGROUND DIESEL STORAGE TANK (<i>Cancelled</i>)
T005251	PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK

this page intentionally left blank

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

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.
[Rule 203 - *Permit to Operate*; Version in State Implementation Plan (SIP) Approved 11/9/78 = California Air Resources Board (CARB) Ex. Order G-73, 40 Code of Federal Regulations (CFR) 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C), 43 Federal Register (FR) 52237; Current Rule Version = 07/25/77]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.
[Rule 203 - *Permit to Operate*; Version in State Implementation Plan (SIP) Approved 11/9/78 = California Air Resources Board (CARB) Ex. Order G-73, 40 Code of Federal Regulations (CFR) 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C), 43 Federal Register (FR) 52237; Current Rule Version = 07/25/77]
3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*; Version in SIP Approved 11/09/78, = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C) - 43 FR 52237; Current Rule Version = 07/25/77]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*; Version in SIP Approved 11/09/78, = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C) - 43 FR 52237; Current Rule Version = 07/25/77]
5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*; Version in SIP Approved 11/09/78 = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C) - 43 FR 52237; Current Rule Version = 07/25/77]

6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
[Rule 207 - *Altering or Falsifying of Permit*; Version in SIP Approved 11/09/78 = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C) - 43 FR 52237; Current Rule Version = 07/25/77]
7. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP Approved 11/09/78 = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C) - 43 FR 52237; Current Rule Version = 07/25/77]
8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[Rule 217 - *Provision for Sampling And Testing Facilities*; Version in SIP – Approved 11/09/78 = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C) 43 FR 52237; Current Rule Version = 07/25/77]
9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[SIP Pending: Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 12/21/94; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]
10. The o/o of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP Approved 2/5/96 = 40 CFR 52.220(c)(216)(i)(A)(2), 61 FR 4217; Current Rule Version = 12/21/94]
11. Owner/operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees*; = CARB Ex. Order G-73 Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96, 61 FR 4217; Current Rule Version = 6/23/2008 applicable 1/1/2009]
12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = 12/21/94, Applicable via Title V Program interim approval 02/05/96, 61 FR 4217]
13. Stack and point source visible emissions from this facility, of any air contaminant

(including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:

- (a) While any unit is fired on Public Utilities Commission (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.
- (b) While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:
 - (i). Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation, a visible emissions inspection is required every three (3) months or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3-month time frame.
 - (ii). Diesel Standby and emergency reciprocating engines using California low sulfur fuels require no additional monitoring for opacity.
 - (iii). Diesel/Distillate-Fueled Boilers firing on California low sulfur fuels require a visible emissions inspection after every 1 million gallons diesel combusted, to be counted cumulatively over a 5-year period.
 - (iv). On any of the above, if a visible emissions inspection documents opacity, an 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.

[Rule 204 - *Permit Conditions*; Version in SIP Approved 11/09/78 = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C), 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78, 43 FR 40011; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*]

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

2622-82 or ASTM method D 2880-71, or equivalent.

[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78, 43 FR 40011, 40 CFR 52.220(c)(37)(I)(B); Current Rule Version = 07/25/77]

15. Emissions of fugitive dust from any transport, handling, construction, or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.
[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78, 43 FR 40011, 43 FR 25684, 40 CFR 52.220(c)(32(iv)(A) - 6/14/78; Current Rule Version = 07/25/77]
16. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an “Alternative PM₁₀ Control Plan” (ACP) pursuant to Rule 403.2(G) has been approved.
[**SIP Pending:** Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* submitted as adopted 7/22/96 on 10/18/96; Current Rule Version = 07/22/96]
17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in 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.[Rule 404 - *Particulate Matter Concentration*; Version in SIP - Approved 12/21/78 = 40 CFR 52.220(c)(42)(xiii)(A), 43 FR 52489; Current Rule Version 7/25/77]
18. 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.[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP - Approved 12/21/78 =, 40 CFR 52.220(c)(42)(xiii)(A), 43 FR 52489, Approved 6/14/78 = 43 25684, 40 CFR 52.220(c)(32(iv)(A); Current Rule Version 7/25/77]
19. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid

or gas at standard conditions, calculated as sulfur dioxide (SO₂), greater than or equal to 500 ppm by volume.

[Rule 406 - *Specific Contaminants*; Version in SIP 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78, 43 FR 52486, Subpart (a) only; Current Rule Version = 02/20/79]

20. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
 - (a) The provisions of this condition shall not apply to emissions from internal combustion engines.

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP Approved 9/08/78 = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C), 43 FR 40011; Approved 6/14/78 = 43 CFR 25684, 40 CFR 52.220(c)(32(iv)(A); Current Rule Version = 07/25/77]
21. Owner/Operator shall not build, erect, install, or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission 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.

[Rule 408 - *Circumvention*; Version in SIP Approved 9/08/78 = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii), 43 FR 40011, Approved 6/14/78- 43 FR 25684, 40 CFR 52.220(c)(32(iv)(A); Current Rule Version = 07/25/77]
22. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes.

[Rule 409 - *Combustion Contaminants*; Version in SIP Approved 9/8/78 = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C), 43 FR 40011, Approved 6/14/78- 43 FR 25684, 40 CFR 52.220(c)(32(iv)(A); Current Rule Version = 07/25/77]
23. 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.

[SIP Pending: Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

24. The provisions of Regulation IV, except Rule 402, shall not apply to experimental research operations when the following requirements are met:
- (a) The purpose of the operation is to permit investigation, experiment, or research to advance the state of knowledge or the state of the art; and
 - (b) The APCO has given written prior approval that shall include limitation of time.
- [SIP: Not SIP: Rule 441 – *Research Operations* Disapproved 1/16/81 and 40 CFR 52.272(a)(9)(i), 46 FR 3883, 40 CFR 52.272(a)(8)(i); Current Rule Version 7/25/77]
25. 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.
 - (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:
 - (1) The manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (2) 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.

- (3) The spraying or other employment of organic solvents as insecticides, pesticides or herbicides.
- (4) 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.
- (5) The use of 1-1-1 Trichloroethane, methylene chloride and trichlorotrifluoroethane.
- (6) Aerosol products

[SIP: Rule 442 – *Usage of Solvents*, Approved 6/9/82 - 47 FR 25013, 40 CFR 52.220(c)(51)(xii)(B); Approved 9/8/78 - 43 FR 40011, 40 CFR 52.220(c)(39)(ii)(C); Current Rule Version 2/27/06, SIP Approved September 2007]

26. 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)].
[Rule 444 – *Open Outdoor Fires*, Version in SIP submitted as amended 11/25/96 on 3/3/97= 43 FR 59488, 40 CFR 2.220(c)(42)(xiii)(A) and 40 CFR 52.273 (6)(12)(i)]
27. 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) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.
 - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
 - (c) Cold Solvent Degreasers - Freeboard Requirements:
 - (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
 - (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.
 - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
 - (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a

- specific gravity greater than one.
- (d) Cold Solvent Degreasers - Cover Requirements:
(i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.
- (e) Cold Solvent Degreasers - Solvent Level Identification:
(i) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
- (f) All Degreasers shall comply with the following operating requirements:
(i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
(ii) Degreasers shall not be operating with any detectable solvent leaks.
(iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
(iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a federally or state licensed facility to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
(v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
(vi) Solvent carry-out shall be minimized by the following methods:
(a) Rack workload arranged to promote complete drainage
(b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
(c) Retain the workload inside of the vapor zone until condensation ceases.
(d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
(e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
(vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
(viii) Except for sealed chamber degreasers, all solvent agitation shall be by either

- pump recirculation, a mixer, or ultrasonics.
- (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
 - (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
 - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
 - (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
 - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the volatile organic compound (VOC) limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
- (1) 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:
 - (i) product name(s) used in the degreaser, and
 - (ii) the mix ratio of solvent compounds mixtures of solvents are used, and
 - (iii) VOC content of solvent or mixture of compounds as used, and
 - (iv) the total volume of the solvent(s) used for the facility, on a monthly basis, and
 - (v) the name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
 - (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data are recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The

- data shall be recorded in a manner as prescribed by the District.
- (3) Documentation shall be maintained on site of the disposal or on-site recycling of any waste solvent or residues.
 - (4) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5-year period as required by this Title V / Federal Operating Permit (Reference Rule 1203(D)(1)(d)(ii)).

[Rule 1104 - *Organic Solvent Degreasing Operations*; Version in Approved 4/30/96= 40 CFR 52.220(c)(207)(i)(D)(2), 61 FR 18962; Current Rule Version 9/28/94]

28. 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.

Coating Category	Effective February 24, 2003	Effective May 24, 2003	Effective 1/1/2004
Flat Coatings	250	100	
Nonflat Coatings	250	150	
Nonflat-High Gloss Coatings	250		
Specialty Coatings			
Antenna Coatings		530	
Antifouling Coatings		400	
Bituminous Roof Coatings	300		
Bituminous Roof Primers	350 ^b	350	
Bond Breakers	350		
Clear Wood Coatings			
Clear Brushing Lacquers	680		
Lacquers (including lacque sanding sealers)	680	550	
Sanding Sealers (other than lacquer sanding sealers)	550	350	
Varnishes	350		
Concrete Curing Compounds	350		
Dry Fog Coatings	400		
Faux Finishing Coatings		350	
Fire Resistive Coatings		350	

Coating Category	Effective February 24, 2003	Effective May 24, 2003	Effective 1/1/2004
Fire-Retardant Coatings:			
Clear	650		
Opaque	350		
Floor Coatings		250	
Flow Coatings		420	
Form-Release Compounds		250	
Graphic Arts Coatings (Sign Paints)	500		
High Temperature Coatings	550	420	
Industrial Maintenance Coatings	420 ^c		250
Low Solids Coatings ^d		120	
Magnesite Cement Coatings	600	450	
Mastic Texture Coatings	300		
Metallic Pigmented Coatings	500		
Multi-Color Coatings	580	250	
Pre-Treatment Wash Primers	780	420	
Primers, Sealers, and Undercoaters	350	200	
Quick-Dry Enamels	400	250	
Quick-Dry Primers, Sealers, and Undercoaters	450	200	
Recycled Coatings		250	
Roof Coatings	300	250	
Rust Preventative Coatings		400	
Shellacs:			
Clear	730		
Opaque	550		
Specialty Primers, Sealers, and Undercoaters	350		
Stains	350	250	
Swimming Pool Coatings	650	340	
Swimming Pool Repair and Maintenance Coatings	650	340	
Temperature-Indicator Safety Coatings		550	
Traffic Marking Coatings	250	150	
Waterproofing Sealers	400	250	
Waterproofing Concrete/Masonry Sealers	400		
Wood Preservatives	350 ^e	350	

- a. Conversion factor: one pound VOC per gallon (U.S.) = 119.95 grams VOC per liter.
- b. Formerly listed as General Primer, Sealers & Undercoaters.
- c. Except Anti-Graffiti coatings which have a limit of 600 g/ltr.
- d. Units are grams of VOC per liter (pounds of VOC per gallon) of coating, including water and exempt compounds.
- e. Except Below Ground Wood Preservatives which have a limit of 600 g/ltr.

[Rule 1113 - *Architectural Coatings*; Version in SIP Submitted as amended 2/24/03;
 Submitted as amended 11/2/92 on 1/11/93, Approved 6/9/82 - 40 CFR

52.220(c)(51)(xii)(B), 47 FR 25013; Current Rule Version = 02/24/03]

29. 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) VOC Content of Coatings & Adhesives

(a) Any Owners and/or Operators of Wood Products Coating Application Operations shall not apply any Coating or Adhesive to a Wood Product which has a VOC Content, including any VOC-containing material added to the original Coating supplied by the manufacturer, which exceeds the applicable limit specified below, unless emissions to the atmosphere are controlled by air pollution abatement equipment with an Overall Control Efficiency of at least 85 percent. Any Coating subject to this rule that meets either of the two VOC Content limit formats (grams per liter or pounds per gallon [lb/gal]) is in compliance with this subsection.

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

Coating	Current Limit g/L (lb/gal)	On and After 7/1/97		On and After 7/1/2005
		Column I or g/L (lb/gal)	Column II g/L (lb/gal)	g/L (lb/gal)
Clear Sealers	680 (5.7)	550 (4.6)	680 (5.7)	275 (2.3)
Clear Topcoat	680 (5.7)	550 (4.6)	275 (2.3)	275 (2.3)
Pigmented Primers, Sealers and Undercoats	600 (5.0)	550 (4.6)	600 (5.0)	275 (2.3)
Pigmented Topcoats	600 (5.0)	550 (4.6)	275 (2.3)	275 (2.3)

Effective July 1, 1997, a person or facility shall use Coatings on Wood Products that comply with either all VOC Content limits in Column I or all VOC Content limits in Column II. A person or facility that applies a Pigmented Primer, Sealer or Undercoat, but not a Clear Topcoat or Pigmented Topcoat, to a Wood Product shall be subject to column I for that product.

(ii) Notwithstanding the requirements of subsection (C)(1)(a)(i), a person or facility that applies a topcoat and a primer, sealer or undercoat to a Shutter may, until July 1, 2005, choose to comply

MDAQMD Federal Operating Permit
United States Marine Corps Yermo Annex
Permit Number: 08700587

with the VOC Content limits specified below for that Shutter:

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

Coating	g/L (lb/gal)
Clear Sealers	275 (2.3)
Clear Topcoat	680 (5.7)
Pigmented Primers, Sealers & Undercoats	275 (2.3)
Pigmented Topcoats	600 (5.0)

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

Coating	Current Limit g/L (lb/gal)	On and After 7/1/97	On and After 7/1/2005
		g/L (lb/gal)	g/L (lb/gal)
Fillers	500 (4.2)	500 (4.2)	275 (2.3)
High-Solid Stains	700 (5.8)	550 (4.6)	350 (2.9)
Inks	500 (4.2)	500 (4.2)	500 (4.2)
Mold-Seal Coatings	750 (6.3)	750 (6.3)	750 (6.3)
Multi-Colored Coatings	685 (5.7)	685 (5.7)	275 (2.3)
Low-Solids Stains, Toners and Washcoats	800 (6.7)	480 (4.0)	120 (1.0)
Adhesives	250 (2.1)	250 (2.1)	250 (2.1)

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Approved: 08/18/98-63 FR 44132, 40 CFR 52.220(c)(244)(i)(C); Approved 61 FR 18962, 04/30/96; Current Rule Version 11/25/96]

30. 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:

Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS

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

<u>Coating</u>	<u>Air Dried</u>		<u>Baked</u>	
	g/L	(lb/gal)	g/L	(lb/gal)
General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP Approved - 12/23/97 = 40 CFR 52.220(c)(239)(i)(A)(2) 62 FR 67002, effective 2/23/98; Current Rule Version 4/22/96]

31. 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

Coating Categories	VOC Regulatory Limit, as applied, in grams per Liter (pounds per gallon) 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

Coating Categories	VOC Regulatory Limit, as applied, in grams per Liter (pounds per gallon)	
	Group I Vehicles* Effective prior to 7/1/2011	Group II Vehicles** Effective 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)

*Group 1 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 and 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.

[SIP Pending: Rule 1116 - *Automotive Finishing Operations*; as amended 8/23/2010, Submitted 4/5/2011. Previous Version [SIP: Approved: 6/13/95, 60 FR 31081, 40 CFR 52.220(c)(216)(i)(A)(1); Approved: 2/20/93, 58 FR 662833, 40 CFR 52.220(c)(188)(I)(B)(1)]

32. 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 person who manufactures or reworks aerospace vehicles by applying or specifying the use of surface coatings for aerospace vehicle parts and products shall comply with the following requirements:

A person shall not apply any coating or specify the use of any coating, which, as applied, emits or may emit volatile organic compounds into the atmosphere in excess of the limits shown in the table below. These limits are expressed in Grams of VOC per Liter of Coating Less Water and Exempt Compounds (VOC content):

<u>Coating Type</u>	<u>VOC Limit</u>	
	<u>g/L</u>	<u>lb/gal</u>
Adhesive		
- Bonding Primer	250	2.1
- Non-structural adhesive	250	2.1
- Structural adhesive, autoclavable	50	0.4
- Structural adhesive, non-autoclavable	700	5.9
CARC	500	4.2

<u>Coating Type</u>	<u>VOC Limit</u>	
	<u>g/L</u>	<u>lb/gal</u>
Electric/Radiation Effect	800	6.7
Extreme Performance		
- Coating	420	3.5
- Interior Topcoat	420	3.5
Fire-Resistant Coating		
- Civilian	650	5.4
- Military	970	7.7
Fuel Tank Coating	720	6.0
General Coating Product	350	2.9
High Temperature Coating	720	6.0
Interior Topcoat	340	2.8
Maskant for		
- Chemical Processing	600	5.0
- Chemical Milling, Type I Etchant	622	5.2
- Chemical Milling, Type II Etchant	160	1.3
Pretreatment Wash Primer	780	6.6
Primer	350	2.9
Rain Erosion Resistant Coating	600	5.0

<u>Coating Type</u>	<u>VOC Limit</u>	
	<u>g/L</u>	<u>lb/gal</u>
Sealant	600	5.0
Sealant Bonding Primer	720	6.0
Self Priming Topcoat	420	3.5
Space Vehicle Coating		
- Electrostatic-Discharge	800	6.7
- Other	1000	8.3
Temporary Protective Coating	250	2.1
Topcoat	420	3.5
Unicoat	420	3.5
Wing Coating	750	6.3

[Rule 1118 - *Aerospace Vehicle Parts and Products Coating Operations*; Version in SIP = Approved: 8/17/98- 63 FR 43884, 40 CFR 52.220(c)(242)(I)(A)(1); Current Rule Version 10/28/96]

33. 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]

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)31(vi)(C) Approved - 11/09/78, 43 FR 52237; Current Rule Version = 07/25/77]

[MDAQMD Rule 1203]

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.
[SIP Pending: Rule 1211 - *Greenhouse Gas Provisions of Federal Operating Permits*; as adopted 2/28/2011, Submitted 3/24/2011.

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

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)].
2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
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 use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement are sufficient.
[40 CFR 70.6(a)(3)(B) – *Periodic Monitoring Requirements*]

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)] and in California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]

- 4 (a) 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.
[40 CFR 70.6(c)(5)(i); Rule 1208; Rule 1203(D)(1)(vii-x)]
 - (b) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
 - (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.
[Rule 1203 (D)(1)(g)(x)]
 - (d) On an annual basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 90 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 1203. 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.
[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(v - x)]
5. Owner/Operator shall submit, on an annual basis, a *Monitoring Report* to the APCO/District. Each *Monitoring Report* shall be submitted no later than 90 days after the midpoint (six months after the Title V Permit month & day issue date) of the Title V Permit anniversary date of any given year. This *Monitoring Report* shall be certified to be true, accurate, and complete by “The Responsible Official” and shall include the following information and/or data:
- (a) Summary of deviations from any federally-enforceable requirement in this permit.
 - (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
 - (c) Summary of all periodic monitoring, testing or record keeping (including test

methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.

An alternate Monitoring Report format may be used upon prior approval by MDAQMD. [Rule 1203(D)(1)(e)(i)]

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. [Rule 1203(D)(1)(e)(ii) and Rule 430(C)]
Prompt reporting shall be determined as follows:
 - (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District. [SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 2/24/95]
 - (b) 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. [Rule 1203(D)(1)(e)(i)]

7. If any facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5-year permit term, then Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with 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. [Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

8. MCLB Barstow Yermo Annex Title V Permit 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 9.9 tons per year for any single HAP and 24.9 tons per year for any combination of HAPs calculated monthly on a rolling 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, permittee 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 12 immediately previous monthly usage reports. 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 test 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]

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[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]

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.
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[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.
[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 notify the APCO/District, on an **annual** basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].

[40 CFR 61.145.b]

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

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL FOLLOWING CONDITIONS RESULT FROM RULE 204 – PERMIT CONDITIONS; VERSION IN SIP = CARB EX. ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE VERSION = 07/25/77:

A. ABRASIVE BLASTING EQUIPMENT, described as follows:

ABRASIVE BLAST BOOTH, MDAQMD permit number A000951 (Bldg. 570),

Big Blast North Unit, consisting of:

Air Compressor, Abrasive Blast Supply

Abrasive Reclaim System, Floor Type (with nine three hp motors)

Elevator Assembly

Air Wash Abrasive Separator Motor

Volume of blast section: 20,736 ft³

24' W x 32' L x 27' H

Control: Fabric Dust Collector C003245

ABRASIVE BLAST BOOTH, MDAQMD permit number A000952 (Bldg. 570),

Big Blast, South Unit, consisting of:

Air Compressor, Abrasive Blast Supply

Abrasive Reclaim System, Floor Type (with nine three hp motors)

Elevator Assembly

Air Wash Abrasive Separator Motor

Volume of blast section: 20,736 ft³

24' W x 32' L x 27' H

Control: Fabric Dust Collector, C003247

ABRASIVE BLASTING SYSTEM, MDAQMD permit number A003915 (Bldg. 629) consisting of:

Cancelled-Replaced by A010885

ABRASIVE BLASTING SYSTEM, MDAQMD permit number A003959 (at Bldg. 569)

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

ABRASIVE BLASTING CABINET, MDAQMD permit number A004412 (Bldg. 629)

consisting of: by Sunspan Systems Inc. Cabinet dimensions are 9' w x 6' h x 12' l; includes: automated blast table 6' long, 25 hp centrifugal blast wheel, steel shot blasting media, with steel shot consumption rate of 125 lbs/hr. Device also has an integral 1.5 hp screw conveyer.

ABRASIVE BLASTER, ROTARY, MDAQMD permit number A005014 (at Bldg. 629)

consisting of: BCP Double swing table blaster, Model CA4-5640, with integral cartridge dust collector.

ABRASIVE BLASTER ROTARY, MDAQMD permit number A005015 (at Bldg. 573)

consisting of: Goff table blaster, Model 72PTW/1016DC, with an integral dust collector, filter area 540 sq. ft.

ABRASIVE BLAST BOOTH, MDAQMD permit number A005113 (at Bldg. 566)

consisting of: Booth 28' x 30' x 56'.
 This unit is equipped with a screener classifier for re-use of used blast materials.
 This system vents through an air pollution control device operating under valid District permit number C010410.

ABRASIVE BLAST BOOTH, MDAQMD permit number A008793 (at Bldg. 629)

consisting of: Blast room enclosure, 22'6" w, 12' h, and 22'6" l, including a reclaimer system (grating floor type with three screws), Elevator assembly, Air Wash abrasive separator, and abrasive storage hopper (50 ft³). Booth Ventilation and Abrasive Reclaimer vent to a Fabric Dust Collector air pollution control device, District permit number C008808.

<u>Capacity</u>	<u>Equipment Description</u>
100	Abrasive Blast supply compressed air
12.0	Floor reclaim system (4), 3 hp motor
2.0	Elevator assembly
0.3	Air Wash abrasive separator Motor (powered by the elevator's motor)

SUPER BLAST BOOTH ONE, MDAQMD permit number A009130 (at Bldg. 565)

Consisting of: This abrasive blasting system is equipped with a floor grating reclaiming system, elevator assembly, air wash abrasive separator, and 50 ft³ abrasive storage hopper, and measures 30' w x 25' h x 48' l with 15 under-floor screws.

<u>Capacity</u>	<u>Equipment Description</u>
40.0	Eight Under-floor Screw Motors (5 hp each)
2.0	Abrasive Bucket Elevator (2 hp)
150.0	Air Compressor (150 hp)

SUPER BLAST BOOTH TWO, MDAQMD permit number A009131 (at Bldg. 565)

Consisting of: This abrasive blasting system is equipped with a floor grating reclaiming system, elevator assembly, air wash abrasive separator and 50 ft³ abrasive storage hopper, and measures 30' w x 25' h x 48' l with 15 under-floor screws.

<u>Capacity</u>	<u>Equipment Description</u>
40.0	Eight Under-floor Screw Motors (5 hp each)
2.0	Abrasive Bucket Elevator (2 hp)
150.0	Air Compressor (150 hp)

ABRASIVE BLAST BOOTH, MDAQMD permit number A010885

Cabinet Manufactured by Media Blast & Abrasives, Inc., Model No. Hailstorm 12036; Cabinet dimensions: 120" long, 36" wide, 36" 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

Conditions for units with permit numbers: A000951 and A000952

1. This abrasive blast booth shall only be operated and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

2. This abrasive blast booth shall not be operated unless it is vented to the functioning air pollution control device covered by valid District Permit C003245.

(MDAQMD Permit A000951 only).

This abrasive blast booth shall not be operated unless it is vented to the functioning air pollution control device covered by valid District Permit C003247.

(MDAQMD Permit A000952 only).

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

3. This abrasive blast booth must be equipped with tight fitting seals around all openings, such as doors, windows, seams, etc., so as to prevent the escape of particulate material to the ambient air while in use.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

4. An annual compliance/certification test (source test) of this unit for particulate and PM10 is not required. However the o/o shall conduct such testing upon District request and shall be in accordance with the District "Compliance Test Procedural Manual"

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77].

5. The o/o 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 type and the amount of blasting material used in this cabinet.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

6. 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 a period aggregating more than three minutes in any one hour.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 401 - Visible Emissions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

Conditions for permit number A003959

1. This abrasive blast booth shall only be operated and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

3. This abrasive blast booth shall not be operated unless it is vented to the functioning air pollution control device covered by valid District Permit C003961.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

4. This abrasive blast booth must be equipped with tight fitting seals around all openings, such as doors, windows, seams, etc., so as to prevent the escape of particulate material to the ambient air while in use.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

5. An annual compliance/certification test (source test) of this unit for particulate and PM10 is not required. However the o/o shall conduct such testing upon District request and shall be in accordance with the District "Compliance Test Procedural Manual"

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77].

6. The o/o 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 type and the amount of blasting material used in this cabinet.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II nd Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

7. 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 a period aggregating more than three minutes in any one hour.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 401 - Visible Emissions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

8. The maximum particulate matter (PM) that may be discharged into the atmosphere under this permit is 137 pounds per day. The maximum PM10 that may be emitted shall be 80 pounds per day.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

Conditions for permit number: A004412

1. This abrasive blast cabinet shall only be operated and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

2. The abrasive blast cabinet shall not be operated unless vented to properly functioning air pollution control device operating under valid District Permit C010219.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

3. This abrasive blast cabinet must be equipped with tight fitting seals around all openings, such as doors, windows, seams, etc., so as to prevent the escape of particulate material to the ambient air while in use.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

4. An annual compliance/certification test (source test) of this unit for particulate and PM10 is not required. However the o/o shall conduct such testing upon District request and shall be in accordance with the District "Compliance Test Procedural Manual"

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77].

6. The owner/operator shall maintain a log that contains the weight of abrasive blast materials used, dates, and times of use. The log shall be maintained current, on-site (with the unit) for a minimum of 5 years and provided to District, State and Federal personnel upon request.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

7. 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 a period aggregating more than three minutes in any one hour.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 401 - Visible Emissions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

8. This unit shall only use steel shot abrasive media exempt from certification requirements of the California Air Resources Board (CARB).

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77].

9. This equipment shall not operate more than 3000 hours/year; 10 hrs/day, 6 days/week, 50 weeks per year.

[Rule 1303 - Requirements 40 CFR 52.220(c)(239)(i)(A)(1) - 11/13/96 61 FR 58133 ; Approved; 07/23/96; Current Version; 09/24/01]

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

Conditions for units with permit number A005014

1. This abrasive blast booth shall only be operated and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

2. The abrasive blast booth shall not be operated unless vented to properly functioning integral air pollution control device.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

4. This abrasive blast booth must be equipped with tight fitting seals around all openings, such as doors, windows, seams, etc., so as to prevent the escape of particulate material to the ambient air while in use.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

5. An annual compliance/certification test (source test) of this unit for particulate and PM10 is not required. However the o/o shall conduct such testing upon District request and shall be in accordance with the District "Compliance Test Procedural Manual"

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77].

6. The owner/operator shall maintain a log that contains the weight of abrasive blast materials used, dates, and times of use. The log shall be maintained current, on-site (with the unit) for a minimum of 5 years and provided to District, State and Federal personnel upon request.

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

Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

7. 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 a period aggregating more than three minutes in any one hour.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 401 - Visible Emissions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

Conditions for units with permit number A005015

1. This abrasive blast booth shall only be operated and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

2. The abrasive blast booth shall not be operated unless vented to the functioning integral air pollution control device.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

3. This abrasive blast booth must be equipped with tight fitting seals around all openings, such as doors, windows, seams, etc., so as to prevent the escape of particulate material to the ambient air while in use.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

4. An annual compliance/certification test (source test) of this unit for particulate and PM10 is not required. However the o/o shall conduct such testing upon District request and shall be in accordance with the District "Compliance Test Procedural Manual"

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77].

6. The owner/operator shall maintain a log that contains the weight of abrasive blast materials used, dates, and times of use. The log shall be maintained current, on-site (with the unit) for a minimum of 5 years and provided to District, State and Federal personnel upon request.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

7. 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 a period aggregating more than three minutes in any one hour.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 401 - Visible Emissions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

8. The owner/operator (o/o) shall operate/maintain the dust collector in strict accord with recommendations of the manufacturer and/or sound engineering practices.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

9. The o/o shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications. This program shall include regular visible emissions observations per EPA Method 22, inspections of all associated equipment including the filters and their retaining system, and filter pressure differential measurements.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

Conditions for units with permit number A005113.

1. This abrasive blast booth shall only be operated and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

3. This abrasive blast booth shall not be operated unless it is vented to the functioning air pollution control device covered by valid District Permit C010410.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

4. This abrasive blast booth must be equipped with tight fitting seals around all openings, such as doors, windows, seams, etc., so as to prevent the escape of particulate material to the ambient air while in use.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

5. An annual compliance/certification test (source test) of this unit for particulate and PM10 is not required. However the o/o shall conduct such testing upon District request and shall be in accordance with the District "Compliance Test Procedural Manual"
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77].

6. The owner/operator shall maintain a log that contains the weight of abrasive blast materials used, dates, and times of use. The log shall be maintained current, on-site (with the unit) for a minimum of 5 years and provided to District, State and Federal personnel upon request.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

7. 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 a period aggregating more than three minutes in any one hour.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 401 - Visible Emissions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

Conditions for units with permit number: A008793.

1. This abrasive blast booth shall only be operated and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

3. This abrasive blast booth shall not be operated unless it is vented to the functioning air pollution control device covered by valid District Permit C008808.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

4. This abrasive blast booth must be equipped with tight fitting seals around all openings, such as doors, windows, seams, etc., so as to prevent the escape of particulate material to the ambient air while in use.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

5. An annual compliance/certification test (source test) of this unit for particulate and

PM10 is not required. However the o/o shall conduct such testing upon District request and shall be in accordance with the District "Compliance Test Procedural Manual" [Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77].

6. The owner/operator shall maintain a log that contains the weight of abrasive blast materials used, dates, and times of use. The log shall be maintained current, on-site (with the unit) for a minimum of 5 years and provided to District, State and Federal personnel upon request.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

7. 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 a period aggregating more than three minutes in any one hour.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 401 - Visible Emissions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

Conditions for units with permit numbers: A009130, A009131, and A010885.

1. This abrasive blast booth shall only be operated and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

3. This abrasive blast booth must be equipped with tight fitting seals around all openings, such as doors, windows, seams, etc., so as to prevent the escape of particulate material to the ambient air while in use.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

4. An annual compliance/certification test (source test) of this unit for particulate and PM10 is not required. However the o/o shall conduct such testing upon District request and shall be in accordance with the District "Compliance Test Procedural Manual"

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77].

6. 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 a period aggregating more than three minutes in any one hour.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 401 - Visible Emissions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

For MDAQMD Permit A009130 Only:

2. This abrasive blast booth shall not be operated unless it is vented to the functioning air pollution control device covered by valid District Permit C009132.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

5. The owner/operator shall maintain a log that contains the weight of abrasive blast materials used, dates, and times of use. The log shall be maintained current, on-site (with the unit) for a minimum of 5 years and provided to District, State and Federal personnel upon request.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

For MDAQMD Permit A009131 Only:

2. This abrasive blast booth shall not be operated unless it is vented to the functioning air pollution control device covered by valid District Permit C009133.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

5. The owner/operator shall maintain a log that contains the weight of abrasive blast materials used, dates, and times of use. The log shall be maintained current, on-site (with the unit) for a minimum of 5 years and provided to District, State and Federal personnel upon request.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

For MDAQMD Permit A010885 Only:

2. This abrasive blast booth shall not be operated unless it is vented to the functioning integral air pollution control device.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

5. The o/o 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 type and the amount of blasting material used in this cabinet and hours of operation including a calendar year summary; not to exceed 2137 hours/year; filter replacements, repairs, and non-scheduled maintenance information.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

7. This Abrasive Blast Booth shall only use steel grit abrasive media.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77].

8. This Abrasive Blast Booth shall not operate more than 2137 hour in any single calendar year; emissions as verified by record keeping shall not exceed 2.65 pounds/year after passing through the integral dust collector.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77].

9. The owner/operator (o/o) shall operate/maintain the dust collector in strict accord with recommendations of the manufacturer and/or sound engineering practices.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

10. The o/o shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications. This program shall include regular visible emissions observations per EPA Method 22, inspections of all associated equipment including the filters and their retaining system, and filter pressure differential measurements.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

11. The permitting of this Abrasive Blasting Cabinet and integral dust collector requires the simultaneous shut down of Abrasive Blaster operating with District permit A003915. Therefore, the owner/operator (o/o) shall cease operations of A003915 once this equipment is constructed and operational; the o/o shall request that permit A003915 be cancelled within 30 days of this equipment becoming operational.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

B. BASIC EQUIPMENT TO INCLUDE BOILERS, PAINT DRYING AND CURING OVENS, DYNAMOMETERS, VEHICLE UNDERCOATING RACKS, CLARIFIERS, OIL-WATER SEPARATORS, DOMESTIC WASTEWATER TREATMENT, AND INTERNAL COMBUSTION ENGINES described as follows:

BOILER, MDAQMD permit number B000935 (Bldg. 574, HP 5) *Cancelled*

BOILER, MDAQMD permit number B000936 (Bldg. 574, HP 5) *Cancelled*

BOILER, MDAQMD permit number B000937 (Bldg. 574, HP 5) *Cancelled*

PAINT DRYING OVEN, MDAQMD permit number B002875 consisting of: BUILDING 573, Area 18; Devilbiss Model 1251-59; heated with 400 deg F water, nominal setting 250 deg F, normal operating range 125 – 150 deg F. Air flow rate: 35, 800 ACFM, 7.5 bhp.

Conditions for units with permit numbers: B002875.

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.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

2. This paint drying oven shall only process items which have a wet surface coating that was applied to the item at this USMC Logistics Base.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

DYNAMOMETER TEST STAND, MDAQMD permit number B003969 consisting of: Bldg. 573, East Hardstand, for Paxman IC Engine Determinations.

DYNAMOMETER, MDAQMD permit number B004397 consisting of: Bldg. 573, Area 16; Unit No. 1, for testing diesel engines, 400 bhp maximum, located in room approx. 10'1 x 14'w x 12'h.

DYNAMOMETER, MDAQMD permit number B004398 consisting of: Bldg. 573, Area 16; Unit no. 2, for testing diesel engines, 800 bhp maximum, located in room approx. 10'1 x 14'w x 12'h.

DYNAMOMETER, MDAQMD permit number B004399 consisting of: Bldg.573, Area 16; Unit No. 3, for testing diesel engines, 800 bhp maximum, located in room approx. 10'1 x 14'w x 12'h.

DYNAMOMETER, MDAQMD permit number B004400 consisting of: Bldg. 573, Area 16; Unit no. 4, for testing diesel engines, 800 bhp maximum, located in room approx. 10'1 x 14'w x 12'h.

SPIN TEST CELL, MDAQMD permit number B004401 consisting of: Bldg. 573, Area 16; Unit No. 5, for testing diesel engines under no load, located in room approx. 10'1 x 14'w x 12'h.

DYNAMOMETER, MDAQMD permit number B004402 consisting of: Bldg. 573, Area 16; Unit No. 6, for testing diesel engines, 1500 bhp maximum, located in room approx. 10'1 x 14'w x 12'h.

DYNAMOMETER, MDAQMD permit number B004403 consisting of: Bldg. 573, Area 16; Unit No. 7, for testing diesel engines, 1500 bhp maximum, located in room approx. 10'1 x 14'w x 12'h.

Conditions for units with permit numbers: B003969.

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.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

2. The o/o 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. The log shall include, at a minimum, the information specified below:

- a. Fuel consumed by the operating engines;
- b. Date, time, and length of times of each engine's operation, and
- c. Brake hp of the engine developed at maximum during testing.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

Conditions for units with permit numbers: B004397, B004398, B004399, B004400, B004401, B004402, and B004403

1. Operation of this equipment or spin test cell shall be conducted in compliance with data and specifications submitted with the application under which this permit was issued unless otherwise stated below.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

2. The owner/operator (o/o) shall operate this equipment or spin test cell in strict accord with the manufacturer's specifications and/or sound engineering principles.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

3. The o/o shall maintain an operations log for this equipment, or spin test cell, current and on-site, either at the equipment location or at a on-site location, for a minimum of five years (5) and this log shall be provided to the District, State or Federal personnel on request. This log shall include, at a minimum:

- a. Fuel consumed by the operating engines
- b. Date, time, and length of times of each engine's operation, and
- c. Brake hp of the engine developed at maximum during testing.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

VEHICLE UNDERCOATING COMPLEX (Bldg. 634); MDAQMD Permit Number B004194

One 20' h x 18' w x 55' l 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. Three identical 20' h x 20' w x 20' l undercoat areas with 40,000 cfm of air flow each.

Conditions for units with permit number: B004194

1. This equipment (and related application equipment) shall be operated in compliance with all data and specification submitted with the application under which this permit is issued unless otherwise noted below.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

2. This equipment (and related application equipment) shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound

engineering principles.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

3. Only High Pressure Low Volume (HPLV) 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.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

4. Operations within this equipment shall comply with Rules 442, 1114, 1115, 1116, and 1118 as appropriate.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

5. 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.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

6. The pressure drop across the discharge filters shall be taken and recorded in the operational log each day the booth is in operation.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

7. 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 the District, State or Federal personnel upon request and shall include, at a minimum, the following information:

- a. Type and amount (in pounds or gallons) of coating and solvent used (preparation, thinning and cleanup or other).
- b. VOC content of each type of coating and solvent in pounds per gallon or grams per liter;
- c. The method of application and type of substrate for each use;
- d. Total VOC emissions in pounds per calendar month; and,
- e. Discharge filter pressure drop.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

9. The total amount of VOC's solvents released to the atmosphere from this undercoating complex is limited to 39.6 lbs per day.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

10. The total VOC emissions for this undercoating rack and the undercoating rack covered by District Permit B004753 shall not exceed 250 pounds/day.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

VEHICLE UNDERCOATING RACK, MDAQMD permit number B004753 consisting of: BUILDING 203, NE Corner; 90' x 20' rack consisting of six (6) bays with undercoating on four (4) bays equipped with Mohawk Lifts and airless spray guns. Ashland Chemical Co. undercoating materials Tectyl 185 GW, Tectyl 2423 or equivalent.

Conditions for units with permit number: B004753

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

3. A daily record shall be maintained of the VOC emissions from this source which contains, for each day equipment is in operation but is not limited to, the following:

- a. Type and amount (in pounds or gallons) of coating and solvent used (preparation, thinning and cleanup or other);
- b. VOC content of each type of coating and solvent in pound per gallon or grams per liter;
- c. The method of application and type of substrate for each use; and,
- d. Total VOC emissions in pounds per calendar month.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

4. The o/o shall maintain an daily log for this equipment, current and on-site, either at the equipment location or at a on-site location, for a minimum of five years (5) and this log shall be provided to District, State or Federal personnel on request.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

5. The total VOC emissions for this undercoating rack and the undercoating rack covered by District Permit B004194 shall not exceed 250 pounds/day.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

6. The total amount of VOC solvents released to the atmosphere from this undercoating complex shall not exceed 39.6 pounds per day.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

OIL-WATER SEPARATORS, MDAQMD permit number B004499 (~~Cancelled-Replaced by B011440~~)

WASTEWATER TREATMENT PLANT, (Bldg. 609) MDAQMD permit number
B008746 consisting of:

- 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 gal
- 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
- P-1A, 0.7 hp, Transfer industrial wastewater to Bldg 609
- P-1B, 0.7 hp, Transfer industrial wastewater to Bldg 609
- P-2A, 0.5 hp, Transfer industrial wastewater to oil-water separator at T-1, T-2
- P-2B, 0.5 hp, Transfer industrial wastewater to oil-water separator at T-1, T-2
- P-67A, 0.3 hp, Transfer sludge from T-1 to T-12 at T-1, T-2
- P-67B, 0.3 hp, Transfer sludge from T-2 to T-12 at T-1, T-2
- P-63, 0.1 hp, Transfer sludge from T-1, T-2 to T-3 at T-1, T-2
- P-5A, 0.2 hp, Transfer oil/water separator effluent to T-30 at oil/water separator
- P-5B, 0.2 hp, Transfer oil/water separator effluent to T-30 at oil/water separator
- P-3A, 0.8 hp, Transfer oil from oil/water separator #1 to T-3 at oil/water separator
- P-3B, 0.8 hp, 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
- Water Pump, 2.0 hp, 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
- P-50, 2.0 hp, Ultra Filtration Feed Pump supplies positive pressure to P-49 at ultra
filtration unit
- P-49, 6.0 hp, Circulates industrial wastewater through ultra filter unit at ultra filtration
unit
- P-51, 0.1 hp, Transfers ultra filtered permeate from T-29 to T-15 at ultra filtration unit
- P-20A, 0.5 hp, Supplies T-15 water to carbon units- to air stripper or AOP at carbon units
- P-20B, 0.5 hp, Supplies T-15 water to carbon units- to air stripper or AOP at carbon units
- P-56A, 0.3 hp, Supplies water to RO booster pumps from T-33 at AOP
- P-56B, 0.3 hp, Supplies water to RO booster pumps from T-33 at AOP
- P-23, 0.1 hp, Pumps RO brines to basins from T-19 at brine storage tank

P-21A, 2.5 hp, Supplies water to RO membranes at RO
P-21B, 2.5 hp, Supplies water to RO membranes at RO
P-50, 0.5 hp, Circulates cleaning water from T-29 through RO at RO
P-52, 0.3 hp, Supplies water from T-16 to T-29
Water Pump, 0.3 hp, Supply water from scrubber pump to various pumps on scrubber
P-19A, 0.5 hp, Supply water from carbon units to top of stripper tower
P-19B, 0.5 hp, Supply water from carbon units to top of stripper tower
P-22A, 0.8 hp, Transfer treated water to steam rack
P-22B, 0.8 hp, Transfer treated water to steam rack
P-39, 0.2 hp, Supplies permeate from brine storage tanks (T-19) to T-16
P-41A, 0.2 hp, Pumps sump to T-1 and T-2 by T-1, T-2
P-41B, 0.2 hp, Pumps sump to T-1 and T-2 by T-1, T-2
P-42A, 0.2 hp, Pumps sump to T-1 and T-2 by oil/water separator
P-42B, 0.2 hp, Pumps sump to T-1 and T-2 by oil/water separator
P-43A, 0.2 hp, Pumps sump to T-1 and T-2 by ultra filtration tank
P-43B, 0.2 hp, Pumps sump to T-1 and T-2 by ultra filtration tank
P-44A, 0.2 hp, Pumps sump to T-1 and T-2 by ultra filtration tank
P-44B, 0.2 hp, Pumps sump to T-1 and T-2 by ultra filtration tank
P-45A, 0.2 hp, Pumps sump to T-1 and T-2 by RO
P-45B, 0.2 hp, Pumps sump to T-1 and T-2 by RO
P-46A, 0.2 hp, Pumps sump to T-16 by T-16
P-46B, 0.2 hp, Pumps sump to T-16 by T-16

Total Pump Capacity: 27.2hp

Conditions for unit with permit number: B008746.

1. The owner/operator (o/o) shall operate all equipment described in this permit in strict accord with the design and/or sound engineering principles which produce the minimum emission of air contaminants.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

2. A log of operating hours when attended by an operator, time and date shall be maintained current, on-site for a minimum of five (5) years and provided to District, State and Federal personnel upon request.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

3. The engineering and design submittal is an integral part of this permit and are specific limitations to the operation of this system unless specifically exempted above.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

PAINT PYROLYSIS OVEN, MDAQMD permit number B008890 consisting of:
Adjacent to Bldg. 634, NW. Hardstand, Steelman Industries, Model 666BA-C, 6' w x 6'
d x 6' h; advanced burn-off (cleaning) with rear burners and top down heating, 305,000
Btu/hr primary burner @ 900 degree F; 470,000 Btu/hr afterburner @ 1,800 degrees F.

Conditions for unit with permit number: B008890

1. The owner/operator (o/o) shall install, maintain and operate all equipment described in this permit in strict accord with the recommendations of the manufacturer or supplier and/or sound engineering principles which produce the minimum emission of air contaminants.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

2. The o/o is limited to using only regulated pipeline natural gas in this equipment.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

3. The o/o shall maintain an operations log for this equipment, current and on-site, either at the equipment location or at a on-site location, for a minimum of five years (5) and this log shall be provided to District, State or Federal personnel on request. This log shall include, at a minimum the following:

- a. The number and type of items heated each day;
- b. The daily hours of operation;
- c. Total annual operation of this equipment in hours; and
- d. The total amount of natural gas consumed daily.

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

4. This equipment (and related application equipment) shall be operated in compliance with all data and specification submitted with the application under which this permit is issued unless otherwise noted above.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

TRAY STRIPPER, MDAQMD permit number B008921 consisting of: BLDG 609,
Shallow tray low profile, Model No. 2641, includes a 7.5 hp permeate pump and 7.5 hp blower.

Conditions for unit with permit number: B008921

1. The owner/operator (o/o) shall operate this equipment in strict accordance with the

manufacturer's specifications and/or sound engineering principles.

2. A log of operating hours, times, and date shall be maintained current and on site for a minimum of five (5) years and provided to District personnel upon request.

CLARIFIER SYSTEM, (BLDG609), MDAQMD permit number B011440 consisting of: Sludge and floatable substances (including but not limited to oil) removal system. Waste treatment system influent arrives to clarifier via wet well system (area 611), treated effluent is sent to tank T30, and any excess water is sent to tanks T1 & T2 for storage and later treatment. Clarifier 1 and Clarifier 2 may operate separately or simultaneously.

Twelve stainless steel sludge scrapers (located at bottom of tank), manufactured by MEC. Two abovegrade open top circular clarifiers (Clarifier 1 and Clarifier 2), measuring eight (8) feet in diameter and 11 feet tall, rated at 30 gallons per minute (gpm) each, manufactured by Monroe Environmental Corporation (MEC).

Two electric motors, 3/4 horsepower at 1,800 revolutions per minute (rpm) each. Scum baffle and collection trough.

All other associated influent and effluent piping and rotating drive components.

Conditions for unit with permit number: B011440

1. The engineering and design submittal is an integral part of this permit and are specific limitations to the operation of this system unless specifically exempted below.

2. The owner/operator (o/o) shall operate all equipment described in this permit in strict accord with the design and/or sound engineering principles which produce the minimum emission of air contaminants.

3. The o/o shall maintain a current, on-site log for this equipment for a minimum of five (5) years and shall provide this log to District, State or Federal personnel upon request. The log shall include at least the following information:

- a. Monthly volume of total liquid entering Clarifier 1 and Clarifier 2 (in gallons);
- b. Quarterly volume of total skimmings removed from Clarifier 1 and Clarifier 2 (in gallons);
- c. Date and volume of total liquid disposed of to certified off-base handling facilities from Tanks T-12 and T3 (in gallons); and
- d. Rule 464 system exemption records.

4. This equipment replaces equipment with permit number B004499. Upon replacement of equipment, o/o shall request cancellation of B004499. [Rule 1301 (HH)(c)] [Rule 1302, (C)(2)(a)(i)]

[Rule 1301 - Definitions; Rule 1302 - Procedure; Rule 1303 - Requirements; Rule 1304 -

Emission Calculations; Rule 1305 – Emission Offsets; Rule 1306 - Electric Energy Generating Facilities; SIP: Approved 11/13/1996, 61 FR 58133; Submitted as amended 10/27/93 on 03/29/94; Conditional Approval 47 FR 25013, 06/09/82]

5. By limiting petroleum product effluent compliant with condition 6 below, Rule 464 is not applicable, and this system is exempted from the requirements of Rule 464. O/o shall keep records to substantiate this exemption status. [Rule 464 (F)(3)]
 [Rule 464 – Oil-Water Separators, SIP: Approved 9/27/95, 60 FR 49722, 40 CFR 52.220(c)(202)(i)(D)(1); Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220 (c)(32)(iv)(A)]

6. This system shall not recover more than 759 liters (200 gallons) a day or more of any petroleum products with a Reid vapor pressure (RVP) of 25 mm Hg (0.5 pound per square inch) or greater. [Derived from District Rule 464]

WASTEWATER TREATMENT FACILITY BUILDING 610, MDAQMD permit number B004680, Sludge treatment system consisting of;

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

WASTEWATER TREATMENT FACILITY BUILDING 610, MDAQMD permit number B004681; Primary treatment system consisting of;

Pumps, Influent; 2 @ 10 hp each
Comminator
Bar Rack
Blowers; 2 @ 5 hp each
Tank, Aeration Grit Removal; 8,647 gallons
Aeration Basins Splitter Box
Aeration Basins/Tanks; 2 @ 250 cu. meters each
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.
Scum Skimmer
Conveyor, Screw
Pumps, Secondary Effluent; 3 @ 3 hp each; 175 cu meters/day @ 345 Kpag

Pump, Filter Backwash; 2 @ 7.5 hp ea.
Pump, Ozone Recirculation; 7.5 hp
Ozone Generator, 9 kg ozone/day max
Percolation Basin
Tank, Ozone Contact; tbd

Conditions for units with permit numbers: B004180 and B004681

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. The o/o 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 amount of sludge received and treated each day.
3. This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations; sound engineering principles; and/or federal, state, regional and local waste water discharge permits.

METALLIZATION - COATING SYSTEM MDAQMD permit number B011195 consisting of:

Inovati, Model No. KM-MCS; requiring independent gas and power sources. Equipment includes a Control Cabinet 33"X18"X48", a spray enclosure 36"X70"X72", and a Powder Storage Cabinet 43"X18"X44". Sprayed material is a proprietary KM AITrans Oxide Powder consisting of Aluminum, and Aluminum Oxide

Conditions for unit with permit number: B011195

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.
2. This device shall not use any VOC containing materials.
3. A daily log shall be maintained regarding the operation of this device. This log shall

contain at least the following:

- A. Description of material used;
- B. Manufacturer of material, manufacturer product name, and/or code number;
- C. Quantity of each coating used, and
- D. Copies of the Environmental Data Sheet and/or Material Safety Data Sheet (MSDS) for each coating material used.

4. The o/o 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. (NOTE: The daily log information provides a basis for the Toxic Emission Inventory required by AB 2588 and Title III requirements)

5. 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 and State Only***

6. This device shall not operate unless it is in a control cabinet with spray enclosure that ventilates to a properly operating air pollution control device with valid District permit C011196.

PORTABLE DIESEL IC ENGINE, EXCAVATOR @ BLDG 614, MDAQMD permit number B009545, unit may be operated at both the Yermo and Nebo Annexes, Year of Manufacture – 1998

Conditions for unit with permit number: B009545

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.
2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.) [Title 17 CCR 93116.2(bb)]
3. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% or 15 ppm per CARB Diesel or equivalent

requirements; or alternative diesel fuel or CARB diesel fuel utilizing fuel additives that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines. [Title 17 CCR 93116.3(a)] **District and State Only**

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time by January 1, 2012. [Title 17 CCR 93116.4(c)(2)(A)] **District and State Only**
5. This portable diesel fueled engine (unit) shall be certified to meet a federal or California standard for newly manufactured nonroad engines pursuant to 40 CFR Part 89, Part 86, or the equivalent categories in Title 13 of the California Code of Regulations (CCR). Otherwise, use this portable diesel-fueled engines exclusively in emergency applications or portable diesel-fueled engines that qualify as low-use engines (operates 80 hours or less per year) and commit by December 31, 2011 to removing these engines from service or replacing these engines no later than January 1, 2017. The replacement engines shall be certified to the most stringent of either the federal or California emission standards for the appropriate class and category of nonroad engine in effect at the time of the replacement. [Title 17 CCR 93116.3(b)] [Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

District and State Only

6. The o/o 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. 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 use (Regular use, testing & maintenance, emergency, required emission testing);
 - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
 - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log). [Title 13 CCR 93116.4(c)]
7. The fleet under control of this o/o is subject to and shall comply with the weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates in Title 17 CCR Section 93116.3(c).

Fleet Standard Compliance;

Date	Engines <175 bhp (g/bhp-hr)	Engines >175 to 749 bhp (g/bhp-hr)	Engines >750 bhp (g/bhp-hr)
1/1/2013	0.3	0.15	0.25

1/1/2017	0.18	0.08	0.08
1/1/2020	0.04	0.02	0.02

See 17 CCR Section 93116.2 for definition of fleet. Engines designated as low use or emergency are not subject to the fleet requirements (93116.3 (c)(3)).

[Title 17 Section 93116.3 - Requirements]

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

District and State Only

8. The o/o of this unit must submit a ‘Statement of Compliance’ signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information, see Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

Weighted DPM Emission Fleet Average Date	Submit by
January 1, 2013	March 1, 2013
January 1, 2017	March 1, 2017
January 1, 2020	March 1, 2020

District and State Only

9. The o/o of fleets that are exempted from the requirements of section 93116.4 pursuant to section 93116.4 (a), the Responsible Official shall certify that all portable diesel-fueled engines in the fleet satisfy the requirements of section 93116.4(a). See Title 17 CCR 93116.4(f) for details. **District and State Only**

10. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern. **District and State Only**

11. This portable equipment shall not be operated and/or located with 1,000 feet of a public or private school (kindergarten through 12th grade) of more than 12 students for more than 45 consecutive days without completing the notification required by Health and Safety Code §§ 42301.6. [Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

12. This portable compressor and Diesel fuel ICE can be used at all facilities owner or operated by USMC Logistics Base Barstow within the MDAQMD, to include but not limited to the Yermo Annex and Nebo Annex.

C. AIR POLLUTION CONTROL DEVICES TO INCLUDE FABRIC DUST

COLLECTORS, THERMAL OXIDIZERS, CAUSTIC SCRUBBERS, AIR POLLUTION CONTROL SYSTEMS, AND HEPA VACS, described as follows:

DUST COLLECTOR, MDAQMD permit number C003245 consisting of: Bldg. 570, Big Blast; Booth Ventilation System, North Unit.
Manufacturer: Torit
Model No.: DFT 4-176
Type: Cartridge pulse jet
Number of Bags: 176,
Bag Dimensions: 13.84" x 25" cartridge filters, totaling 44,700 square feet of filter area
Air Flow Rate: 97,700 ACFM
Air to Cloth Ratio: 2.2:1
Hopper Discharge Valve: 3 hp
500 cfm from elevator and abrasive separator

DUST COLLECTOR, MDAQMD permit number C003247 consisting of Bldg. 570, Big Blast; Booth Ventilation System, South Unit.
Manufacturer: Torit
Model No.: DFT 4-176
Type: Cartridge pulse jet
Number of cartridges: 176,
Bag Dimensions: 13.84" x 25" cartridge filters, totaling 44,700 square feet of filter area
Air Flow Rate: 97,700 ACFM
Air to Cloth Ratio: 2.2:1
Hopper Discharge Valve: 3 hp
500 cfm from elevator and abrasive separator

Conditions for units with permit numbers: C003245 and C003247

1. This unit shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants.

2. 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 personnel upon request:
 - 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. Date and nature of any system repairs.

3. 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.

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.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

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

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

DUST COLLECTOR, MDAQMD permit number C003961 consisting of: Bldg. 569, Blast Coast Systems, Inc., Model BCSABS-4-48, 26,900 cfm, cartridge filter with pulse jet cleaning, 48 pleated cartridges, air to cloth ratio: 2.2:1, with 60 hp electric motors, 99.999% efficiency to 0.5 microns.

Conditions for unit with permit number: C003961.

1. The o/o shall maintain this dust collector in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles.

2. The o/o shall maintain on-site a minimum inventory of replacement cartridges that assures compliance with these conditions.

3. 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.

4. 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 personnel upon request:

- 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. Date and nature of any system repairs.

HEPA VAC, MDAQMD permit number C005010 (Bldg. 632) consisting of: Nilfisk, Model No. GS-80, with primary and secondary HEPA filters. The HEPA filter is 99.9% efficient for collection of all particles whose mean diameter is equal to or greater than 0.3 microns.

HEPA VAC, MDAQMD permit number C005012 (Bldg. 573 near 12th & C Sts)

(Cancelled.

Conditions for unit with permit number: C005010

1. The HEPA filters shall meet UL 585 and UL 900 class 2 requirements.
2. This air filtration unit shall be operated and maintained in strict accord with those recommendations of the manufacturer.
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.
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.
5. Viewing ports shall be sufficient in number to allow observation of all stripping and removal of asbestos containing materials, ACM.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

ULTRAVIOLET OXIDATION SYSTEM (Bldg 609), MDAQMD permit number C005090 consisting of: Perox-Pure™ 120 kW system (also known as the Advanced Oxidation Process [AOP] Module), model 180S15A97, which uses UV lamps with a quartz sleeves in a lined aluminum chamber to oxidize organics. This unit includes hydrogen peroxide Tank T-13 and related chemical injection pumps. This unit received flow from the ultra filtration process and discharges into the reverse osmosis system (Tank T-33).

Conditions for units with permit numbers: C005090.

1. This unit shall be installed, operated and maintained in strict accordance with the manufacturer's specifications and/or sound engineering principles.
2. This unit shall treat the discharge from Low Purity Water Storage Tank T-15.
3. All ultraviolet lamps shall be properly serviced and maintained to provide adequate wastewater light exposure. The number of ultraviolet lamps in operation and the chemical oxidizer injection rates may be adjusted to provide optimum oxidation to reduce organic concentrations in the wastewater.

4. 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:
- a. Date of ultraviolet lamp removal and replacement;
 - b. Date and amount of chemical oxidizer provided by vendor; and
 - c. Quarterly wastewater VOC concentrations (system inlet and outlet).
- [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

REGENERATIVE THERMAL OXIDIZER, MDAQMD permit number C008397 (Bldg. 634) 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 NO_x natural gas burners (6.5 MMBtu/hr total, nominal oxidation chamber temperature 1500 degrees Fahrenheit) equipped with structured ceramic thermal recovery media.

Conditions for unit with permit number: C008397

1. This equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be operated and maintained in strict accordance with the recommendations of its manufacturer or supplier and/or sound engineering principles.
3. The exhaust from the spray booths and curing ovens with valid District permits S008392, S008393, S008394, S008395, and S008396 shall be ducted to this device.
4. Emissions from the equipment listed below, shall not emit to the atmosphere more than 3089 pounds of VOC per calendar year (entire Paint and Undercoat Facility Emissions Cap); S002872, S002873, S004558, S008392, S008393, S008394, S008395, S008396, S009622, S009969 and C008397, C009623, C009968, C010858, C010859, and C011458. 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.
[Rule 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 with this condition

shall be demonstrated on an annual basis with the concentrator inlet and oxidizer outlet VOC source test data (in conjunction with initial capture efficiency source test results).

6. The owner/operator (o/o) shall conduct annual compliance tests at the concentrator inlet and oxidizer outlet to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete concentrator cycles), in accordance with MDAQMD's *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. Test results shall be submitted annually to the District not later than six (6) weeks prior to the expiration date of MDAQMD permit number C008397.

DUST COLLECTOR, MDAQMD permit number C008808 consisting of:

Donaldon Cartridge Dust Collector

Model No. DFT 4-48, Manufactured by Torit, Inc.

Rated at 27,500 cfm

Contains 48 pleated cartridge filters – 13.84” diameter x 25” long, each with a 254 square feet filter area

50 hp fan and motor

hopper discharge valve

Air to Cloth ratio of 2.3:1.0

Conditions for unit with permit number: C008808

1. The owner/operator (o/o) shall operate/maintain this equipment in strict accordance with the recommendations of the manufacturer and/or sound engineering practices.
2. This dust collector shall be operated concurrent with the Abrasive Blast Booth in Building 629 operating under valid District permit number A008793.
3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment.
4. 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:
 - 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. Date and nature of any system repairs.
5. The o/o shall maintain on site an inventory of replacement cartridges at all times to help ensure compliance with these conditions.
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.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

DUST COLLECTORS, MDAQMD permit numbers C009132 and C009133 consisting of:

A Torit DFT 4-192 cartridge dust collector, with 192 pleated cellulose substrate with nylon membrane surface treatment 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 [Number 2 for C009133], elevator and abrasive separator (500 cfm from elevator and abrasive separator) under permit A009130 [A009131 for C009133].

Conditions for units with permit numbers: C009132 and C009133

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 produce the minimum emissions of air contaminants.
2. This dust collector shall operate concurrently with the Super Blast Booth Number 1 (A009130) for C009132 or Super Blast Booth Number 2 (A009131) for C009133.
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.
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.
5. The o/o shall maintain on site a minimum inventory of replacement cartridges that assures compliance with these conditions.

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.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

RECUPERATIVE THERMAL OXIDIZER MDAQMD Permit Number C009623,
described as follows:

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, 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.

Conditions for unit with permit numbers C009623:

1. This equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
3. The exhaust from the spray booth with valid District permit S009622 shall be ducted to this device.
4. Emissions from the equipment listed below, shall not emit to the atmosphere more than 3089 pounds of VOC per calendar year (entire Paint and Undercoat Facility Emissions Cap); S002872, S002873, S004558, S008392, S008393, S008394, S008395, S008396, S009622, S009969 and C008397, C009623, C009968, C010858, C010859, and C011458. 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.
[Rule 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 booth and actual VOC emissions exhausted to the atmosphere from this device. Compliance with this condition shall be demonstrated on an annual basis with the Recuperative Thermal Oxidizer inlet and outlet VOC source test data (in conjunction with initial capture efficiency source test results).

6. The owner/operator (o/o) shall conduct annual compliance tests at the Recuperative Thermal Oxidizer inlet and outlet to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete system cycles), in accordance with MDAQMD's *Compliance Test Procedural Manual*. VOC concentrations shall be determined in accordance with USEPA Test Methods 25, 25A, or 25B, with EPA Test Method 18, or CARB Method 422 used to determine exempt compound concentrations. Test results shall be submitted annually to the District not later than six (6) weeks prior to the expiration date of MDAQMD permit number C009623.

REGENERATIVE THERMAL OXIDIZER MDAQMD Permit Number C009968,
described as follows:

Thermal Oxidizer (Bldg 634) 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 2.0 million British thermal units per hour (MMBtu/hr) burner. This natural gas-fired Eclipse WX200 Burner set and limited to fire at a rate of 1.3 MMBtu/hr, heating the combustion chamber to approximately 1400°F. TO is equipped with a stack height of 20 feet and a diameter of 16 inches. The exhaust temperature is 1,400°F with a maximum exhaust flow rate of 1,000 standard cubic feet per minute (scfm).

Conditions for unit with permit number: C009968.

1. This equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
3. The exhaust from the spray booth, and curing oven operating with valid District permit S009969 shall be ducted to this device.

4. Emissions from the equipment listed below, shall not emit to the atmosphere more than 3089 pounds of VOC per calendar year (entire Paint and Undercoat Facility Emissions Cap); S002872, S002873, S004558, S008392, S008393, S008394, S008395, S008396, S009622, S009969 and C008397, C009623, C009968, C010858, C010859, and C011458. 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.

[Rule 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 booth and actual VOC emissions exhausted to the atmosphere from this device. Compliance with this condition shall be demonstrated on an annual basis with the Recuperative Thermal Oxidizer inlet and outlet VOC source test data (in conjunction with initial capture efficiency source test results).

6. The owner/operator (o/o) shall conduct annual compliance tests at the Thermal Oxidizer inlet and outlet to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete system cycles), in accordance with the MDAQMD Compliance Test Procedural Manual. VOC concentrations shall be determined in accordance with EPA Test Methods 25, 25A, or 25B, with EPA Test Method 18, or CARB Method 422 used to determine exempt compound concentrations. Test results shall be submitted annually to the District not later than six (6) weeks prior to the expiration date MDAQMD Permit C009968.

7. This equipment shall only be fired on utility grade natural gas.

REGENERATIVE THERMAL OXIDIZER (BLDG 573) MDAQMD Permit Number C010858, described as follows:

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 1,450°F. Equipment has a stack height of 20 feet and a diameter of 12 inches. Maximum exhaust temperature is 900°F; 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.

Conditions for unit with permit number: C010858.

1. This equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
3. The exhaust from the spray booths and curing ovens with valid District permit S004558 shall be ducted to this device.
4. Emissions from the equipment listed below, shall not emit to the atmosphere more than 3089 pounds of VOC per calendar year (entire Paint and Undercoat Facility Emissions Cap); S002872, S002873, S004558, S008392, S008393, S008394, S008395, S008396, S009622, S009969 and C008397, C009623, C009968, C010858, C010859, and C011458. 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.
[Rule 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 with this condition shall be demonstrated on an annual basis with the concentrator inlet and oxidizer outlet VOC source test data (in conjunction with initial capture efficiency source test results).
6. The owner/operator (o/o) shall conduct an initial source test within 90 days of equipment installation, and annually thereafter. Compliance tests shall be conducted at the concentrator inlet and oxidizer outlet 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. Test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of this permit.

REGENERATIVE THERMAL OXIDIZER 2 (BLDG 573) MDAQMD permit number C010859, described as follows:

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 900°F 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.

Conditions for unit with permit number: C010859.

1. This equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
3. The exhaust from the spray booths and curing ovens with valid District permit S002873 shall be ducted to this device. [Rule 1303 – Requirements; Version in SIP Approved 11/13/1996, 40 CFR 52.220(c)(239)(i)(A)(1), 61 FR 58133]
4. Emissions from the equipment listed below, shall not emit to the atmosphere more than 3089 pounds of VOC per calendar year (entire Paint and Undercoat Facility Emissions Cap); S002872, S002873, S004558, S008392, S008393, S008394, S008395, S008396, S009622, S009969 and C008397, C009623, C009968, C010858, C010859, and C011458. 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. [Rule 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 with this condition shall be demonstrated on an annual basis with the concentrator inlet and oxidizer outlet VOC source test data (in conjunction with initial capture efficiency source test results).

6. The owner/operator (o/o) shall conduct an initial source test within 90 days of equipment installation, and annually thereafter. Compliance tests shall be conducted at the concentrator inlet and oxidizer outlet 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. Test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of this permit.

THERMAL OXIDIZER SYSTEM (#3) MDAQMD permit number C011458,
described as follows:

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 1375° Fahrenheit (F). TO has a stack height of 20 feet and a diameter of 20 inches. Maximum exhaust temperature is 900° F 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 85 ° F. The APCS is guaranteed by the manufacturer to achieve a destruction and removal efficiency of 95 percent.

Conditions for unit with permit number: C011458.

1. This equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
3. The exhaust from the spray booth (and associated equipment) with valid District permit S002872 shall only be ducted to this device.

[Rule 1303 – *Requirements*; Version in SIP Approved 11/13/1996, 40 CFR 52.220(c)(239)(i)(A)(1), 61 FR 58133]

4. Emissions from the equipment listed below, shall not emit to the atmosphere more than 3089 pounds of VOC per calendar year (entire Paint and Undercoat Facility Emissions Cap); S002872, S002873, S004558, S008392, S008393, S008394, S008395, S008396, S009622, S009969 and C008397, C009623, C009968, C010858, C010859, and C011458. 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.

[Rule 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 not less than 95 percent (capture times destruction) or emissions of less than 10 ppmv (as methane), comparing total VOC release in the booth and actual VOC emissions exhausted to the atmosphere from this device. Compliance with this condition shall be demonstrated on an annual basis with the concentrator inlet and oxidizer outlet VOC source test data (in conjunction with initial capture efficiency source test results).

[Rule 1303 – *Requirements*; Version in SIP Approved 11/13/1996, 40 CFR 52.220(c)(239)(i)(A)(1), 61 FR 58133]

6. The owner/operator (o/o) shall conduct an initial source test within 90 days of equipment installation, and annually thereafter. Compliance tests shall be conducted at the concentrator inlet and oxidizer outlet 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. Test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of this permit.

[Rule 1303 – *Requirements*; Version in SIP Approved 11/13/1996, 40 CFR 52.220(c)(239)(i)(A)(1), 61 FR 58133]

7. The o/o shall conduct initial source tests for NO_x and CO within 90 days of initial operation. Compliance tests shall be conducted at the oxidizer outlet, or an equivalent location approved by the District, in accordance with the MDAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District within 45 days of completion of the tests:

- a. NO_x as NO₂ in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Method 7 or equivalent as approved by the District).
- b. CO in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Method 10 or equivalent as approved by the District).

[Rule 1303 – *Requirements*; Version in SIP Approved 11/13/1996, 40 CFR

52.220(c)(239)(i)(A)(1), 61 FR 58133]

8. Records of the following shall be maintained for each day of operation;

a. Fuel consumption in standard cubic feet per calendar month.

The log, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

9. The o/o must surrender to the District sufficient valid Emission Reduction Credits for this equipment prior to the start of construction of any part of the project for which this equipment is intended to be used. In accordance with Regulation XIII, the o/o shall surrender 2075 pounds total of NOx and 79 pounds total of PM10.

[Rule 1303 – Requirements; Version in SIP Approved 11/13/1996, 40 CFR 52.220(c)(239)(i)(A)(1), 61 FR 58133]

10. Emissions from this unit shall not exceed the following emission limits, verified by an initial compliance demonstration in the case of pollutants NOx and CO, and the sole use of Natural Gas and good combustion practices in the case of PM10:

a. NOx as NO2: 0.43 lb/hr at normal operating mode.

b. CO: 0.24 lb/hr at normal operating mode.

c. PM10: 79 lb/yr

[Rule 1303 Requirements; Version in SIP Approved 11/13/1996, 40 CFR 52.220(c)(239)(i)(A)(1), 61 FR 58133]

11. Annual fuel consumption by this equipment shall not exceed 10,640,598 standard cubic feet (based on annual operation of 3744 hours).

[Rule 1303 – Requirements; Version in SIP Approved 11/13/1996, 40 CFR 52.220(c)(239)(i)(A)(1), 61 FR 58133]

12. This equipment shall only be fired on pipeline quality natural gas.

HEPA FILTER, MDAQMD permit number C011196 described as follows:

Model GFPURII182449, 100 Gallon wet- type dust collector system with HEPA filters. Manufacturer claims dust removal efficiency of 99.97% for particles up to 0.3 microns (metallic powder particles are 30 microns). Total of four filters, each with a filter area of 91.39 square feet (total filter area of 365.5 square feet) operating at 4000 CFM.

Conditions for unit with permit number: C011196

1. The o/o shall maintain, on-site, an inventory of replacement filters sufficient to ensure compliance with applicable rules of District Regulation IV.

2. 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.

3. This air pollution control device shall operate concurrently with the metallic coating system operating with valid District Permit B011195.

4. The owner/operator, o/o, shall conduct the following minimum program of inspection/maintenance.

- a. Weekly readings and recordings of pressure differential across the filters.
- b. Quarterly Visible Emission determinations per EPA Method 22 results shall be logged.
- c. Quarterly inspections of the bags and their support systems, inspections, replacements and repairs shall be logged.

The logs shall be maintained current and on-site for a minimum of 5 years and provided to District, State and Federal personnel upon request.

DUST COLLECTOR (Bldg 629), MDAQMD permit number 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 mounted in 3-rows of 3 High inlet cartridge filters with a total surface area of 2682 sqft. Filter media is 80:20 blend of pleated cellulose and polyester fiber. Air to Cloth ratio is 1.68:1.0. Fan motor is 10 hp.

Conditions for unit with permit number: C010219.

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.
2. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
3. This dust collector shall be functioning at all times that the Abrasive Blasting equipment covered under Permit A004412 is in operation.
4. 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:
 - 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. date and nature of any system repairs.
5. The o/o shall maintain an inventory of filter cartridges on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
6. An annual compliance/certification test of this unit for particulate and PM10 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.
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. To ensure compliance with NSR requirements of regulation XIII the o/o shall demonstrate 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 calendar year. PM-10 source testing shall be accomplished using EPA Method 5, and moisture quantified using EPA Method 4, during PM sampling.

8. The facility must submit accurate emissions inventory data to the District, in a format approved by the District, on a yearly base.
9. This equipment shall not operate more than 3000 hours/year; 10 hrs/day, 6 days/week, 50 weeks per year.

DUST COLLECTOR (BLDG 566), MDAQMD permit number 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%.

Conditions for unit with permit number: C010410.

1. The owner/operator (o/o) shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
2. 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:
 - a. Quarterly dust collector stack observation date and result (using EPA method 22, and EPA Method 9 if necessary);
 - b. Quarterly cartridge and cartridge suspension system inspection date and results;
 - c. Date of cartridge replacement, and;
 - d. Date and nature of any system repairs.
3. 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.
4. 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.

D. SOLVENT VAPOR DEGREASER, described as follows:

SOLVENT VAPOR DEGREASER, MDAQMD permit number D005319, consisting of:

Building 573, Small Arms Area; Forward Technology Industries, Model No. A1S-402024; Immersion sump tank volume: 140 gal; Boil tank volume: 30 – 40 gal.; Freeboard height: 30 in, width 28 in; Solvents: Isopropanol (IPA); IPA/cyclohexane mixture and acetone.

Conditions for unit with permit number: D005319.

1. This Vapor degreaser shall only use isopropanol (IPA), IPA / cyclohexane azeotrope mixture or acetone. District approval must be obtained before changing solvents.
2. The tank shall be equipped with a tight fitting cover.
3. The tank cover shall be closed at all times when the tank is not in use.
4. The tank must have a Freeboard Height of at least thirty (30) inches while the item(s) are submerged. The Freeboard Height is the distance from the top of the liquid to the top of the tank.
5. Parts shall be added or removed from the tank in a manner so as to prevent splashing.
6. Parts being removed from the tank must appear visually dry.
7. 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 30 feet per minute and any new or replacement hoist must not exceed 11.2 feet per minute.
8. An operator's log must be maintained which contains, as a minimum, the type of solvent in each tank, and date and amount of solvent added. The log shall be maintained on-site for at least five (5) years and made available to District, state or federal personnel upon request.
9. The degreaser shall only be operated and maintained in strict accord with the manufacturer's/supplier's recommendations and/or sound engineering principles.
10. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted above.

The technical submittal is an integral part of this permit and are specific limitations to the operation of this system unless specifically exempted hereunder.

[Rule 1104 - Organic Solvent Degreasing Operations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

E. EMERGENCY INTERNAL COMBUSTION ENGINES, described as follows:

DIESEL IC ENGINE, EMERGENCY ELECTRICITY GENERATOR, NW of BUILDING 580, MDAQMD permit number E003845 consisting of; Onan 350 kW(e), Model No. 350DFCC3986OF, SN A910368253, powered by Cummins 3 cyl, 535 bhp diesel engine, Model No. NTA-855-G3, SN unknown.

DIESEL IC ENGINE, EMERGENCY GENERATOR, Bldg 573 Area 12 MDAQMD permit number,

E004391

DIESEL IC ENGINE, EMERGENCY GENERATOR, (BLDG 609), MDAQMD permit number E004501, Generator powered by Caterpillar Model 3508, Serial No 23Z05672, 8 cyl, 1020 bhp, direct injected, turbocharged, and aftercooled diesel engine, using 37.9 gal/hr of fuel and generating 500kW(e).

DIESEL IC ENGINE, EMERGENCY AIR COMPRESSOR (#1), HP5, BUILDING 574, MDAQMD permit number E005016; Skid mounted

DIESEL IC ENGINE, EMERGENCY AIR COMPRESSOR (#2), BLDG 574, HP5, MDAQMD permit number E005017; Skid mounted

DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 558), MDAQMD permit number E009529, Year of Manufacture – 1991

Conditions for units with permit numbers: E003845, E004391, E004501, E005016, E005017, E009529.

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. [40CFR Subsection 63.6625(e), 40 CFR Subsection 63.6605]
2. 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. [40 CFR Subsection 63.6640 (f)(1)(ii)]
3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. **District, State enforceable only**
4. 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)]
5. 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. [Rule 204; Requirements of 40CFR Subsection 63.6640(f)(1)(ii) have been streamlined out by this existing applicable requirement.]

6. The o/o 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. 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 use (testing & maintenance, emergency, required emission testing, etc.);
- c. Calendar year operation in terms of fuel consumption (in gallons) and total hours;
- d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log); and
- e. Maintenance records.

[Rule 204; 40 CFR Subsection 63.6655]

7. 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. [Rule 204;17 CCR 93115]

8. Owner/operator must meet the following requirements;

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in §63.6625(i) in order to extend this requirement;
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR Subsection 63.6603, table 2d]

9. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR §93115) 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.

PROPANE IC ENGINE, EMERGENCY GENERATOR, (BLDG S-579 WELL #4),
MDAQMD permit number E005337

PROPANE IC ENGINE, EMERGENCY GENERATOR, BLDG S-600 MDAQMD permit number E005338

PROPANE IC ENGINE, EMERGENCY GENERATOR, BLDG 484 MDAQMD permit number E008109

PROPANE IC ENGINE, EMERGENCY GENERATOR, BLDG S487 MDAQMD permit number E008110

NATURAL GAS IC ENGINE, EMERGENCY GENERATOR, BLDG 610, MDAQMD permit number E008334, Venting through a Miratech Model EQ-701-12-C1 and MEC-2001 catalytic converter and air/fuel ratio controller

Conditions for units with permit numbers E005337, E005338, E008109, E008110, and E008334:

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. 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. [40CFR Subsection 63.6625(e), 40 CFR Subsection 63.6605]
3. This unit shall only be fired on propane (note that E008334, E008110, E008109, fires natural gas) fuel.
4. 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)]
5. The o/o 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 of each use;
 - b. Reason for use (testing and maintenance, emergency, required emission testing, etc.);
 - c. Duration of each use, in hours;
 - d. Fuel consumed during each calendar year, in scf, and total hours; and
 - e. Maintenance records.[Rule 204; 40 CFR Subsection 63.6655]
6. 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. [Rule 204; 40CFR Subsection 63.6640(f)(1)(ii)]

7. Owner/operator must meet the following requirements;
 - a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in §63.6625(i) in order to extend this 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 Subsection 63.6603, Table 2d]

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. [40 CFR Subsection 63.6640 (f)(1)(ii)]

The following condition applies to E008334 NATURAL GAS IC ENGINE, EMERGENCY GENERATOR

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

G. GASOLINE DISPENSING FACILITY described as follows:

E85 DISPENSING FACILITY, MDAQMD permit number G010744

Conditions for unit with permit number: G010744

1. The toll-free telephone number that must be posted is 1-800-635-4617.
2. The owner/operator (o/o) shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461. 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.
3. Any modifications or changes to the piping or control fittings of the vapor recovery system require prior approval from the District.

4. 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.
5. The owner or operator shall conduct and pass the following tests using the latest adopted version of the following test procedures:
 - a) Pressure Decay Tests per CARB test method TP-201.3B.
 - b) Liquid Removal Test (if applicable) per TP-201.6
 - c) 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.
 - a. These tests shall be performed after dispensing the first 60,000 gallons of gasoline following the modification or the placing of the Phase II vapor recovery system in service. Testing shall, in no case be conducted later than 90 days after placing the Phase II vapor recovery system in service.
 - b. 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.
6. The annual throughput of gasoline shall be less than 600,000 gallons per calendar year.

Throughput records shall be kept on site and available to District personnel upon request. 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.
7. The o/o shall maintain and operate Phase I System in compliance with CARB Executive Order G-70-102-A; this facility is a CARB R&D test site for E85; it is exempt from Phase II Vapor Recovery since it fuels 95% + ORVR Vehicles.
8. Once approved for E-85, hanging hardware shall be replaced with EVR Balance Phase II hanging hardware (VST or other CARB Approved EVR Phase II Hardware) during routine maintenance equipment change outs.
9. The Owner/Operator (O/O) has elected to operate without installing EVR Phase II, and therefore must operate with at least 95% ORVR vehicles within the fleet. As such the O/O must maintain records regarding the fleet vehicles, the ORVR status of each vehicle, method used to determine ORVR status for each vehicle, and the percentage of ORVR vehicles.

This record must be maintained on site for a minimum of two years, and available to District personal upon request.

S. **PAINT SPRAY BOOTHS**, described as follows:

PAINT SPRAY BOOTH, MDAQMD permit number S002872 (Bldg. 573, Area 18; North Bay 3) consisting of: Binks Model No. TF-644-T-LH with oven as follows:

This oven is used to dry freshly coated tactical vehicles/equipment. The oven is heated using 402 F hot water @ 250 psig. The oven is 35'L x 21'W x 19'H. Heat exchangers with the hot water transmitted by heating plant No.5 are about 1680 sq ft of surface area in the oven. Ancillary to this is oven No. 2, which is described as a Benco Products, Inc. model CPD-12F-CS. The oven is steel with galvanized wall panels, doors and roof. The doors on either end of the oven allow for equipment entering and/or leaving. The oven is equipped with a temperature controller and a dial thermometer. Air is circulated by means of a 15,000 ACFM blower powered by a 15 hp electric motor.

Volume of Booth: 14,400 cu. Ft., (20'w x 40'l x 18'h)

Air Flow Rate: 35,800 ACFM,

15 hp Motors, 2 @ 7.5 hp each

Pressure Drop Range: 0.25" – 1.0" W.C. 3"

Dry Filter material: Polyester Fiber @ 2.0" thick

USMC Account No.: 389381

PAINT SPRAY BOOTH, MDAQMD permit number S002873 (Bldg. 573, Area 18 North, Bay 2) consisting of: Binks Model No. TF-644-T-LH.

This oven is used to dry freshly coated tactical vehicles/equipment. The oven is heated using 402 F hot water @ 250 psig. Heat exchangers with the hot water transmitted by heating plant No.5 are about 1680 sq ft of surface area in the oven.

Ancillary to this is oven No. 2, which is described as a Benco Products, Inc. model CPD-12F-CS.

Volume of Booth: 14,400 cu. Ft., (20'w x 40'l x 18'h)

Booth Air Flow Rate: 35,800 ACFM,

Motors, 2 @ 7.5 hp each

Pressure Drop Range: 0.25" – 1.0" W.C.

The oven is 35 ft by 21 ft by 19 ft high. The oven is steel with galvanized wall panels, doors and roof. The doors on either end of the oven allow for equipment entering and/or leaving.

The oven is equipped with a temperature controller and a dial thermometer. Drying oven air is circulated by means of a 15,000 ACFM blower powered by a 15 hp electric motor.

USMC Account No.: 389380

Conditions for unit with permit number: S002873.

1. 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.
2. 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 amount (in pounds or gallons) of coating and solvent used (preparation, thinning, cleanup or other);
 - b. VOC content of each type of coating and solvent in pounds per gallon or grams per liter;
 - c. The method of application and type of substrate for each use;
 - d. Total VOC emissions in pounds per calendar month; and,
 - e. Spray booth discharge filter pressure drop.
3. This equipment (and related application equipment) shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
4. This equipment (and related application equipment) shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
5. Only High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods shall be used in the spray booth unless prior written approval is obtain from the District.
6. 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.
7. Operations within this booth shall comply with Rules 442, 1114, 1115, 1116 and 1118 as appropriate.
8. 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, State enforceable only**

NOTE: Currently isocyanate emissions are not regulated. However, isocyanates, along with over 500 other compounds, are listed under AB2588 "Toxics Hot Spots Program". Most users of these compounds are required to file a Toxic Emissions Inventory. Furthermore, many users will have to do a Risk Assessment. Based upon the Risk Assessment you may be required to control the emissions of the listed compounds.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

Conditions for unit with permit number: S002872.

1. 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.
2. 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 amount (in pounds or gallons) of coating and solvent used (preparation, thinning, cleanup or other);
 - b. VOC content of each type of coating and solvent in pounds per gallon or grams per liter;
 - c. The method of application and type of substrate for each use;
 - d. Total VOC emissions in pounds per calendar month; and,
 - e. Spray booth discharge filter pressure drop.
3. This equipment (and related application equipment) shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
4. This equipment (and related application equipment) shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
5. Only High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating

Products, or Hand Application Methods shall be used in the spray booth unless prior written approval is obtain from the District. [Rule 204] [Rule 1115]

6. 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. [Rule 1303 – Requirements; Version in SIP Approved 11/13/1996, 40 CFR 52.220(c)(239)(i)(A)(1), 61 FR 58133]
7. Operations within this booth shall comply with Rules 442, 1114, 1115, 1116 and 1118 as appropriate.
8. 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 and State only Requirement**

FINAL COAT BOOTH, MDAQMD permit number S002876 consisting of: BUILDING 634

Dimensions: 18'h x 60'w x 70'l booth, TECD601870

Intake filters: 112, 20" x 20"

Exhaust filters: Two stage exhaust filtration (112 20" x 20" filter pads and 112 bag filters)

Total Air Flow Rate: 60,000 cfm

Conditions for unit with permit number: S002876

1. This equipment (and related application equipment) shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment (and related application equipment) shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
3. Only High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods shall be used in the spray booth unless prior written approval is obtain from the District.
4. 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 inches WC.

5. 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:
 - a. Type and amount (in pounds or gallons) of coating and solvent used (preparation, thinning, cleanup or other).
 - b. VOC content of each type of coating and solvent in pounds per gallon or grams per liter.
 - c. Non-photochemically reactive content of each type of coating and solvent.
 - d. The method of application and type of substrate for each use.
 - e. Total VOC emissions in pounds per calendar day.
 - f. Total non-photochemically reactive solvent emissions in pounds per calendar day.
 - g. Discharge filter pressure drop.
6. The total amount of VOC released to the atmosphere from this booth is limited to 39.6 lbs per calendar day.
7. The total amount of non-photochemically reactive solvents (as defined in Rule 102) released to the atmosphere from this booth is limited to 600 lbs per calendar day.
8. Operations within this booth shall comply with Rules 442, 1114, 1115, 1116 and 1118 as appropriate.
9. 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 and State only Requirement**

PAINT SPRAY BOOTH, MDAQMD permit number S004558 consisting of: BUILDING 573, Area 18; Booth #1, Golden West, Model No. 2060 (modified).

Dimensions: 18'h x 20'w x 60'l

Intake filters: 64, 20" x 20" x 2"

Exhaust filters: 72, 20"x20", Air Technologies Inc., high efficiency

Total Air Flow Rate: 36,000 cfm; 23,000 cfm to APC device C010858 and 13,000 cfm recirculated back to the booth by two 18" variable frequency drive fans.

Ancillary to this is oven Number 1, which is described as a Benco Products, Inc. model CPD-12F-CS.

This oven is used to dry freshly coated tactical vehicles/ equipment. The oven is heated using 402 F hot water @ 250 psig. Heat exchangers with the hot water transmitted by heating plant No. 5, are about 1680 sq ft of surface area in the oven.

The oven is 35 ft by 21 ft and 19 ft high. The oven is steel with galvanized wall panels, doors and roof. The oven has doors at either end to allow for equipment entering and/or leaving.

The oven is equipped with a temperature controller and a dial thermometer. Air is circulated by means of a 15,000 ACFM blower powered by a 15 hp electric motor.

Conditions for units with permit numbers: S004558.

1. 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.
2. 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 amount (in pounds or gallons) of coating and solvent used (preparation, thinning, cleanup or other);
 - b. VOC content of each type of coating and solvent in pounds per gallon or grams per liter;
 - c. The method of application and type of substrate for each use;
 - d. Total VOC emissions in pounds per calendar month; and,
 - e. Spray booth discharge filter pressure drop.[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)
3. This equipment (and related application equipment) shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
4. This equipment (and related application equipment) shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
5. Only High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating

Products, or Hand Application Methods shall be used in the spray booth unless prior written approval is obtain from the District. [Rule 1115]

6. 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.
7. Operations within this booth shall comply with Rules 442, 1114, 1115, 1116 and 1118 as appropriate.
8. 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 and State only Requirement**

BASE COAT BOOTH (NO. 1, BLDG 634); MDAQMD PERMIT # S008392:

One 18' high by 30' wide by 60' long booth, TECD301860DT, with 108 - 20" x 20" intake filters, two stage exhaust filtration (108 - 20" x 20" filter pads and 108 bag filters), with 57,000 cfm of air flow.

Conditions for unit with permit number: S008392

1. This equipment (and related application equipment) shall be operated in compliance with all data and specification submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment (and related application equipment) shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
3. Only High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods shall be used in this booth unless prior written approval is obtained from the District.
4. Coating or solvent use shall not occur within this booth without the booth being vented to the air pollution control system under valid District permit C008397.
5. 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 inches WC.

6. 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 the District, State or Federal personnel upon request and shall include, at a minimum, the following information:
 - a. Type and amount (in pounds or gallons) of coating and solvent used (preparation, thinning and cleanup or other).
 - b. VOC content of each type of coating and solvent in pounds per gallon or grams per liter.
 - c. The method of application and type of substrate for each use.
 - d. Total VOC emissions in pounds per calendar month.
 - e. Discharge filter pressure drop.
7. Operations within this booth shall comply with Rules 442, 1114, 1115, 1116 and 1118 as appropriate.
8. 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 and State only Requirement**

MDAQMD PERMIT # S008393; BASE COAT BOOTH (NO. 4, BLDG 634); WITH CURING OVEN; INCLUDING:

One 16' high by 20' wide by 45' long booth, TECD201860PDT, with 9 - 20" x 20" intake filters and two stage exhaust filtration (9 - 20" x 20" exhaust filter pads and bag filters), with total air flow of 32,000 cfm. One 120 degree Fahrenheit curing oven, 16' high by 20' wide by 45' 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.

MDAQMD PERMIT # S008394; BASE COAT BOOTH (NO. 8, BLDG 634) WITH CURING OVEN; INCLUDING:

One 12' high by 20' wide by 35' long booth, TECD201235PSB, with 40 - 20" x 20" intake filters and two stage exhaust filtration (40 - 20" x 20" exhaust filter pads and bag filters), with total air flow of 24,000 cfm. One 120 degree Fahrenheit curing oven, 12' high by 16' 6" wide by 24' 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.

MDAQMD PERMIT # S008395; PRIME COAT BOOTH (NO. 10, BLDG 634) WITH CURING OVEN; INCLUDING;

One 18' high by 20' wide by 60' long booth, TECD201860PDT, with 90 - 20" x 20" intake filters and two stage exhaust filtration (90 - 20" x 20" exhaust filter pads and bag filters), with total air flow of 39,000 cfm. One 120 degree Fahrenheit curing oven, 18' high by 20' wide by 45' 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.

MDAQMD PERMIT # S008396; PRIME COAT BOOTH (NO. 3, BLDG 634) WITH CURING OVEN; INCLUDING;

One 12' high by 20' wide by 35' long booth, TECD201235PSB, with 40 - 20" x 20" intake filters and two stage exhaust filtration (40 - 20" x 20" exhaust filter pads and bag filters), with total air flow of 24,000 cfm. One 120 degree Fahrenheit curing oven, 12' high by 16' 6" wide by 24' 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.

Conditions for unit with permit number: S008393, S008394, S008395, S008396

1. This equipment (and related application equipment) shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment (and related application equipment) shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
3. This paint drying oven shall only process items which have been coated within one of the spray booths with valid District permits S008392, S008393, S008394, S008395, or S008396.
4. Only High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods shall be used in the spray booth unless prior written approval is obtain from the District.
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.
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 to 2.5 inches WC.

7. 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:
 - a. Type and amount (in pounds or gallons) of coating and solvent used (preparation, thinning, cleanup or other).
 - b. VOC content of each type of coating and solvent in pounds per gallon or grams per liter.
 - c. The method of application and type of substrate for each use.
 - d. Total VOC emissions in pounds per calendar month.
 - e. Spray booth discharge filter pressure drop.
8. Operations within this booth shall comply with Rules 442, 1114, 1115, 1116 and 1118 as appropriate.
9. 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 and State only Requirement**

PAINT SPRAY BOOTH, MDAQMD permit number S009622 described as follows: Spray Systems, Model TB-462018-P. Dimensions: 16 ft wide by 46 ft long (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). The booth will be equipped with High Volume Low Pressure (HVLP) spray guns.

Conditions for unit with permit number: S009622

1. 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 to 2.5 inches WC.
2. 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 amount (in pounds or gallons) of coating and solvent used (preparation, thinning, cleanup or other);
- b. VOC content of each type of coating and solvent in pounds per gallon or grams per liter;
- c. The method of application and type of substrate for each use;
- d. Total VOC emissions in pounds per calendar month; and,
- e. Spray booth discharge filter pressure drop.

3. This equipment (and related application equipment) shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

4. This equipment (and related application equipment) shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.

5. Only High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods shall be used in the spray booth unless prior written approval is obtain from the District.

6. Coating or solvent use shall not occur within this booth without the enclosure being vented to the air pollution control system under valid District permits C009623.

7. Operations within this booth shall comply with Rules 442, 1114, 1115, 1116 and 1118 as appropriate.

8. 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 and State Enforceable Only**

PAINT SPRAY BOOTH, MDAQMD permit number S009969: described as follows: Bleeker Bros., Model STDT-12-10-30. The booth's 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 filters utilize a three-stage particulate filter (i.e., Ultra Media blanket filter for the first stage, dimensions 42 inches wide by 11 feet long;

Ultra prefilter for the second stage; and OSM-100 pocket filters for the third stage, both with dimensions of 20 inches by 20 inches by 1 inch). 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°F. The exhaust blower will have a maximum flow rate of 2,000 scfm and a recirculation blower of 12,600 scfm. The oven's intake filters will be the AIRGUARD TRI-90 panel filters (20 inches by 20 inches).

Conditions for unit with permit number: S009969

1. 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 to 2.5 inches WC.
2. 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 amount (in pounds or gallons) of coating and solvent used (preparation, thinning, cleanup or other);
 - b. VOC content of each type of coating and solvent in pounds per gallon or grams per liter;
 - c. The method of application and type of substrate for each use;
 - d. Total VOC emissions in pounds per calendar month; and,
 - e. Spray booth discharge filter pressure drop.
3. This equipment (and related application equipment) shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
4. This equipment (and related application equipment) shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
5. Only High Volume Low Pressure (HVLP) spray guns, hand-held Aerosol Coating Products, or Hand Application Methods shall be used in the spray booth unless prior

written approval is obtain from the District.

6. 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.

7. Operations within this booth shall comply with Rules 442, 1114, 1115, 1116 and 1118 as appropriate.

8. 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 and State Only Enforceable**

9. This equipment shall only be fired on utility grade natural gas.

T. TANKS TO INCLUDE DIP TANKS, ABOVEGROUND AND UNDERGROUND TANKS, AND WASTEWATER TANKS, described as follows:

SMALL ARMS DIP TANK LINE (BLDG 573), MDAQMD permit numbers (tank #):

T012039 (#1)	T012044 (#2)	T012042 (#4)
T012040 (#5)	T012043 (#9)	T012041 (#11)

Tank #	Rating (MMBtu/hr)	Description	Tank Content
1	2.0	Alkaline Cleaning and Parkerizing (Mn phosphate)	Gordobond G 4040
2	2.0	Parkerizing (Mn phosphate)	Gordobond G 4040
3	0.0	Cold water rinse No. 1	Water
4	0.4	Hot Chromic Acid Seal (0.10 % chromium trioxide)	FH 3
5	0.8	Hot Soluble Oil (likened to mineral oil)	Cutting Oil (water soluble)
6	0.8	Alkaline Cleaning	Ardox 185
7	0.8	Alkaline Cleaning	Ardox 185
8	0.0	Cold water rinse no. 2	Water
9	0.0	Acid Cleaning & Activate (HCL), ambient temp	Hydrochloric acid (HCL)
10	1.0	PX Blackening (Black Oxide PX-5)	Salts
11	0.4	Preservation Tank (P-9 Lubricating Oil)	Lube Oil

Conditions 1,3-8,10 are applicable to all permitted units identified by the permit numbers directly above. (Note; Tanks 3, 6, 7, 8, and 10 are insignificant activities exempt from District permit) Condition 2 only applicable to T012039, T012044, and T012040, Conditions 9, 11-14 are

applicable to only permit T012039 and T012044.

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 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); District Rule 204]
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 solvent/solution or mixture of compounds as used, and date and amount of solution added (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. 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 manufacturer’s data and specifications, and use of only natural gas fuel. Evaporative emission limits verified through VOC recordkeeping in accordance with condition 6 above.

Pollutant Pounds	Combustion Emissions (Tanks #1 and #2 only) Pounds	Evaporative Emissions
NOx (30 ppmvd @ 3% O2):	182.5	0
CO (100 ppmvd @ 3% O2):	370.3	0
VOC:	25.9	200.8
SOx:	2.8	0
PM10:	35.8	0

[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

9. Tank burners #1 and #2 (T012039 and T012044) 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 and #2 are in operation. (Daily) Operation is defined as from the time each burner is firing and lasting until each burner ceases firing or tank use is discontinued, whichever is the latter.

10. Owner/operator must surrender valid emission reduction credits prior to the construction of equipment units with District permit numbers T012039 through T012044 (BLDG 576 Small Arms Area). O/o must provide 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 must be cancelled within 90 days of startup.

[District Rule 1303(B)]

11. This equipment is subject to and shall comply with all applicable requirements found in 40 CFR part 63 subpart WWWW- National 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)]

12. Owner/operator must implement the applicable management practices of 40 CFR Part 63 (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.

[40 CFR 63.11507; 40 CFR 63.11508(c)(11); District Rule 1320]

13. Owner/operator must prepare an annual compliance report stating that you have implemented the applicable management practices of 40 CFR Part 63, as practicable. The annual compliance report must be prepared no later than January 31 of the year immediately following the reporting period and kept for a minimum of five years, and in a readily-accessible location for inspector review.

[40 CFR 63.11509]

14. 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. 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]

DIP TANK LINE (BLDG 640), MDAQMD permit numbers (tank #):

T011924 (#1)	T011925 (#2)	T011926 (#3)	T011927 (#4)
T011928 (#5)	T011929 (#7)	T011930 (#8)	T011932 (#9)
T011931 (#10)			

Tank #	Rating (MMBtu/hr)	Description	Tank Content
1	2.5	Cleaning Tank (Sodium Hydroxide(NaOH))	Ardox 185
2	2.0	Primary Rinse	Water
3	1.0	Pre-Treatment (Iron Phosphate)	Crysoat 547
4	0.44	Cleaning Tank (NaOH, Sodium Gluconate)	Oakite 33
5	0.55	Paint Strip	Gardostrip Q7900A
6	0.55	Primary Rinse	Water
7	0.83	Metal Treatment-Parkerizing (Manganese Phosphate)	Gardobond G4040
8	0.44	Metal Finishing (Chromic Acid @ 0.10%)	Oakite FH3
9	0.19	Aluminum Pre-Treatment	Gardobond X4707
10	0.235	Aluminum Cleaning	Oakite Aluminum Cleaner NST

Conditions 1-13 are applicable to all permit units identified directly above. Conditions 13a, 14, 15, and 16 are applicable to only permit T011929. Note; tanks 3, 6, 7, 8, and 10 are insignificant activities exempt from District permit

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); District Rule 204]
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); District Rule 204]
5. This batch-loaded tank can only use chemicals/solvents identified above in a non-agitated manner.
[Basis- District Rule 1104; District Rule 204]
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); District Rule 204]
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); District Rule 204]
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. Only chemicals/solutions identified in the above description may be stored in this dip tank.

[Basis District Rule 1104]

10. 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; District Rule 1203(D)(1)(d)(ii)]

11. Tank heater can only be fired on pipeline quality natural gas.

[District Rule 431; District Rule 1303(A)- BACT]

12. District Permit units T011924 through T011932 (BLDG 640 Dip Tank Line) 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 manufacturer’s data and specifications, and use of only natural gas fuel, evaporative emission limits verified through VOC recordkeeping in accordance with condition 10 above.

Pollutant	Combustion Emissions (Tanks #1 and #2 only)	Evaporative Emissions
Pounds	Pounds	
NOx (30 ppmvd @ 3% O2):	1456.4	0
CO (100 ppmvd @ 3% O2):	2955.1	0
VOC:	206.5	331.0
SOx:	22.5	0
PM10:	285.3	0

[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

13. Owner/operator must surrender valid emission reduction credits prior to the construction of equipment units with District permit numbers T011924 through T011932 (BLDG 640 Dip Tank Line). O/o must provide the following amounts (in lbs per year);
 NOx (offset ratio 1.3:1): 1893
 VOC (offset ratio 1.3:1): 597
 PM10 (offset ratio 1.0:1): 285

Further, this project uses 78 lb/year of simultaneous emission reductions associated with permit T003095 process rate reductions. O/o must demonstrate through sufficient record keeping as described on Permit T003095 that VOC emissions from T003095 do not exceed 384.5 lb/yr.

[District Rule 1303(B)]

13a. This equipment is subject to and shall comply with all applicable requirements found in 40 CFR part 63 subpart WWWW- National 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)]

14. Owner/operator must implement the applicable management practices of 40 CFR Part 63 (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.

[40 CFR 63.11507; 40 CFR 63.11508(c)(11); District Rule 1320]

15. Owner/operator must prepare an annual compliance report stating that you have implemented the applicable management practices of 40 CFR Part 63, as practicable. The annual compliance report must be prepared no later than January 31 of the year

immediately following the reporting period and kept for a minimum of five years, and in a readily-accessible location for inspector review.

[40 CFR 63.11509]

16. 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. 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]

INDUSTRIAL WASTE WATER TANK, MDAQMD permit number T003926, consisting of: BUILDING 609; Two aboveground open 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. Equipped with an oil skimmer which feeds Oily Water Storage Tank T-20 with a joint collection box. Each tank 40'L by 9'H by 8' W and 21,000 gallon capacity.

INDUSTRIAL WASTE WATER TANK, MDAQMD permit number T003927, *Cancelled-combined with T003926*

INDUSTRIAL WASTE WATER TANK, MDAQMD permit number T003929, consisting of: BUILDING 611; 21,000 gal., Open top, 40' l x 9' h x 8' w.

PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK, MDAQMD permit number T005251, Four Temporary retention storage tanks (TANK NO. 679251, 679252, 679253, 679254) handling surge flow from the Wet Well consisting of: Retention Storage Tanks 1, 2, 3, 4 each 39'8" l x 9'6" dia., Carbon steel and 20,000 gallons capacity.

PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK, MDAQMD permit number T005252, TANK NO. 679252 *Cancelled-combined with T005251*

PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK, MDAQMD permit number T005253, TANK NO. 679253 *Cancelled-combined with T005251*

PORTABLE INDUSTRIAL WASTEWATER ABOVEGROUND STORAGE TANK, MDAQMD permit number T005254, TANK NO. 679254 *Cancelled-combined with T005251*

Conditions for units with permit numbers: T003926, T003929, and T005251,

1. The o/o shall operate this equipment in strict accordance with the manufacturer's specifications and/or sound engineering principles.
2. The o/o shall maintain a log of the records to verify proper disposal to Certified off-base handing facilities, including quantity. These records shall be maintained on site for a minimum of five years.

UNDERGROUND STORAGE TANK, MDAQMD permit number T005118 *Cancelled*

PART IV
STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

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

8. Owner/Operator shall furnish to District, state or federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]
9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that “only” Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).
[40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.

[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

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

PART V OPERATIONAL FLEXIBILITY

A. ***ALTERNATIVE OPERATING SCENARIO(S):***

1. **COATING OPERATIONS SUBJECT TO NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR AEROSPACE MANUFACTURING AND REWORK OPERATIONS, 40 CFR PART 63, SUBPART GG**

- 1a. 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]

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[MDAQMD Rule 1203]

- 1b. If the Owner/Operator performs coating activities that meet the applicability criteria of the above NESHAP, the facility must meet all applicable NESHAP requirements, including the applicable requirements of §63.743 (general standards), §63.745 (primer and topcoat application standard), §63.750 (test methods and procedures), §63.751 (monitoring requirements), §63.752 (recordkeeping requirements), §63.753 (reporting requirements), as well as the applicable requirements of the General Provisions (40 CFR Subpart A). The Owner/Operator must maintain a log to record the scenario under which it is operating.

[40 CFR 63 Subpart GG]

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

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; or *[See 1203(E)(1)(c)(i) b.]*
 - b. A modification under Title I of the Federal Clean Air Act; or
 - c. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See 1203(E)(1)(c)(i)b1.]*
 - d. 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 1203(E)(1)(c)(i)b3.]*

II. Procedure for “Off Permit” Changes

- A. If a proposed “Off Permit Change” qualifies under Part V, Section (B)(I)(A)(1) above, permittee shall implement the change as follows:
 1. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. *[See 1203(E)(1)(c)(i)b.]*
 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; and *[See 1203(E)(1)(c)(i)b.]*
 - b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See 1203(E)(1)(c)(i)b.]*
 - c. A list of any existing Applicable Requirements which would cease to apply as a result of the change. *[See 1203(E)(1)(c)(i)c.]*
 3. Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See 1203(E)(1)(c)(i)a.]*
- B. Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See 1203(E)(1)(c)(i)a. and g.]*
- C. Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate which evidences the Off Permit Change to this Title V permit. *[See 1203(E)(1)(c)(i)f.]*
- D. Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). *[See 1203(E)(1)(c)(i)f.]*

III. Other Requirements:

- A. The provisions of Rule 1205 – Modifications do not apply to an Off Permit

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

[Rule 1203(E)(1)(c)]

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. CONVENTIONS

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

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

B. OTHER CONVENTIONS:

1. Unless otherwise noted, a “day” shall be considered a 24-hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. MDAQMD Rule SIP History

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

D. ABBREVIATIONS

Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO ₂	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH ₃	ammonia
NMOC	non-methane organic compounds
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
O ₂	oxygen
pH	pH (acidity measure of solution)
PM ₁₀	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute

scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO _x	oxides of sulfur
SO ₂	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure