

***MOJAVE DESERT***  
***AIR QUALITY MANAGEMENT DISTRICT***

**Federal Operating Permit Number: 008700587**

for

**U.S. Marine Corps Logistics Base, Barstow – Yermo Annex**  
**Yermo, CA**

Issued Pursuant to MDAQMD Regulation XII

Effective Date of this Federal Operating Permit:  
January 1, 2016

This Permit Last Updated on:  
June 27, 2016

This Federal Operating Permit Expires on:  
January 1, 2021



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Issued By: Eldon Heaston  
Executive Director  
Air Pollution Control Officer

14306 Park Avenue, Victorville, CA 92392-2310  
Phone (760) 245-1661  
Fax (760) 245-2022

## **Record of Changes**

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

*There is a decrease in the facility's potential to emit as a result of this modification.*

## TABLE OF CONTENTS

	<u>Page</u>
Part I	Introductory Information
	A. Facility Identifying Information.....I-1
	B. Equipment Summary Descriptions.....I-2 to I-14
Part II	Facility-wide Applicable Requirements, Emissions Limitations; Monitoring, Recordkeeping, and Reporting (MRR) Requirements: Testing Requirements; Compliance Conditions; Compliance Assurance Monitoring (CAM) Plans
	A. Requirements applicable to the entire facility and all equipment .....II-1 to II-15
	B. Facility-wide MRR Requirements .....II-16 to II-19
	C. Facility-wide Compliance Conditions.....II-20 to II-21
	D. Compliance Assurance Monitoring Plans .....II-21 to II-21
Part III	Equipment Specific Applicable Requirements, Emissions Limitations; Monitoring, Recordkeeping, and Reporting (MRR) Requirements: Testing Requirements; Compliance Conditions .....III-1 to III-32
Part IV	Standard Federal Operating Conditions
	A. Standard Conditions .....IV-1 to IV-3
Part V	Operational Flexibility Provisions
	A. Off-Permit Changes..... V-1 to V-2
Part VI	Conventions, Definitions, Abbreviations, and SIP Citation History
	A. Conventions..... VI-1
	B. Definitions and District Permit Structure..... VI-1
	C. Abbreviations ..... VI-2 to VI-3
	D. SIP Citation History ..... VI-4 to VI-9



## PART I INTRODUCTORY INFORMATION

### A. FACILITY IDENTIFYING INFORMATION

Owner/Company Name:	United States Marine Corps (USMC)
Owner's Mailing Address:	Commanding Officer Marine Corps Logistics Base Attn: Air Program Manager P.O. Box 110570 Barstow, CA 92311-5050
Facility Name:	USMC Logistics Base, Barstow, CA - Yermo Annex
Facility Location:	Yermo, CA
MDAQMD Federal Operating Permit Number:	008700587
MDAQMD Company Number:	0087
MDAQMD Facility Number:	00587
Responsible Official's Name:	S. S. Karega, Colonel, USMC
Responsible Official's Title:	Commanding Officer
Responsible Official's Phone Number:	(760) 577-6555
Alternate Responsible Official's Name:	T. P. Favor, Lieutenant Colonel, USMC
Alternate Responsible Official's Title:	Executive Officer
Alternate Responsible Official's Phone Number:	(760) 577-6556
Facility Site Contact:	Stacey B. Colón, Major, USMC
Facility Site Contact's Title:	Deputy Director, MCLB Environmental Division
Facility Site Contact's Phone Number:	(760) 577-6178
Facility's Nature of Business:	National Defense
Facility's SIC Code:	9711
Facility's Latitude/Longitude (Main Gate)	34.8894° N, 116.8792° W

**B. EQUIPMENT SUMMARY DESCRIPTIONS**

<u>Permit #</u>	<u>Summary Description</u>
A000951	ABRASIVE BLASTING BOOTH (BLDG 570, NORTH HARDSTAND, NORTH UNIT) <ol style="list-style-type: none"><li>1. Measures 24 feet wide x 32 feet long x 27 feet high</li><li>2. Equipped with an abrasive reclaim system</li><li>3. Emissions controlled by baghouse described in District Permit C003245</li><li>4. May be operated 8760 hours per year</li></ol>
A000952	ABRASIVE BLASTING BOOTH (BLDG 570, NORTH HARDSTAND, SOUTH UNIT) <ol style="list-style-type: none"><li>1. Measures 24 feet wide x 32 feet long x 27 feet high</li><li>2. Equipped with an abrasive reclaim system</li><li>3. Emissions controlled by baghouse described in District Permit C003247</li><li>4. May be operated 8760 hours per year</li></ol>
A003959	ABRASIVE BLASTING BOOTH (BLDG 569) <ol style="list-style-type: none"><li>1. Measures 30 feet wide x 60 feet long x 19 feet high</li><li>2. Equipped with an abrasive reclaim system</li><li>3. Maximum daily PM limit is 137 lbs and maximum daily PM<sub>10</sub> limit is 80 lbs</li><li>4. Emissions controlled by baghouse described in District Permit C003961</li><li>5. May be operated 8760 hours per year</li></ol>
A004412	ABRASIVE BLASTER, ROTARY (BLDG 629, BAY 3) <ol style="list-style-type: none"><li>1. Measures 9 feet wide x 12 feet long x 6 feet high</li><li>2. Equipped with an abrasive reclaim system</li><li>3. Abrasive limited to steel shot/grit</li><li>4. Emissions controlled by enclosed blasting, type of media, and hours of operation</li><li>5. May be operated 3000 hours per year</li></ol>
A005015	ABRASIVE BLASTER, ROTARY (BLDG 573, SMALL ARMS AREA) <ol style="list-style-type: none"><li>1. Goff model 72PTW/1016DC</li><li>2. Equipped with an abrasive reclaim system</li><li>3. Emissions controlled by integral cartridge style dust collector</li><li>4. May be operated 8760 hours per year</li></ol>
A005113	ABRASIVE BLASTING BOOTH, MEGA BLAST (BLDG 566) <ol style="list-style-type: none"><li>1. Measures 30 feet wide x 56 feet long x 28 feet high</li><li>2. Equipped with an abrasive reclaim system</li><li>3. Emissions controlled by baghouse described in District Permit C010410</li><li>4. May be operated 8760 hours per year</li></ol>
A008793	ABRASIVE BLASTING BOOTH (BLDG 629, BAY 1) <ol style="list-style-type: none"><li>1. Measures 22.5 feet wide x 22.5 feet long x 12 feet high</li><li>2. Equipped with an abrasive reclaim system</li><li>3. Emissions controlled by baghouse described in District Permit C008808</li><li>4. May be operated 8760 hours per year</li></ol>
A009130	ABRASIVE BLASTING BOOTH, SUPER BLAST EAST (BLDG 565)

1. Measures 30 feet wide x 48 feet long x 25 feet high
  2. Equipped with an abrasive reclaim system
  3. Emissions controlled by baghouse described in District Permit C009132
  4. May be operated 8760 hours per year
- A009131 ABRASIVE BLASTING BOOTH, SUPER BLAST WEST (BLDG 565)
1. Measures 30 feet wide x 48 feet long x 25 feet high
  2. Equipped with an abrasive reclaim system
  3. Emissions controlled by baghouse described in District Permit C009133
  4. May be operated 8760 hours per year
- A010885 ABRASIVE BLASTING BOOTH (NORTH OF BLDG 573)
1. Media Blast & Abrasives, Inc. model Hailstorm12036
  2. Measures 3 feet wide x 10 feet long x 3 feet high
  2. Emissions controlled by integral dust collector
  3. May be operated 2137 hours per year
- A012560 ABRASIVE BLASTER, ROTARY TABLE (BLDG 629, BAY 2)
1. Viking Blast and Wash Systems model 84 DDST
  2. Equipped with an abrasive reclaim system
  3. Emissions controlled by integral dust collector rated at 99.999% efficient for particles measuring 0.8 microns and larger
  4. May be operated 8760 hours per year
- B004194 VEHICLE UNDERCOATING COMPLEX (BLDG 634)
1. Complex houses three identical 20 foot x 20 foot x 20 foot undercoat stations
  2. Each station exhausts 39,000 acfm through thirty 20 inch x 20 inch exhaust filters
  3. VOC emissions limited to 39.6 lbs per day
  4. May be operated 8760 hours per year
- B004680 WASTEWATER TREATMENT FACILITY, SLUDGE TREATMENT (BLDG 610)
1. Primary components include sludge lagoon, aerobic digester, and oxidation pond
  2. No emission controls are associated with this equipment
  3. May be operated 8760 hours per year
- B004681 WASTEWATER TREATMENT FACILITY, PRIMARY TREATMENT (BLDG 610)
1. Primary components include headworks, aeration basin, clarifiers, and perc basin
  2. No emission controls are associated with this equipment
  3. May be operated 8760 hours per year
- B004753 VEHICLE UNDERCOATING RACK (BLDG 203, WEST HARDSTAND)
1. A 90 foot x 20 foot, 6-bay rack with undercoating systems of 4 of the 6 bays
  2. VOC emissions limited to 250 lbs per day
  3. May be operated 8760 hours per year
- B008746 INDUSTRIAL WASTEWATER TREATMENT PLANT (BLDG 609)
1. Treats industrial wastewater from the facility's wet well discharge
  2. Primary components include filtration systems, oil-water separators, carbon units,

an ultraviolet oxidation system, and Reverse-Osmosis units

3. May be operated 8760 hours per year

B008890 PAINT PYROLYSIS OVEN (BLDG 634, NORTHWEST HARDSTAND)

1. Measures 6 feet wide x 6 feet long x 6 feet high
2. Primary burner rated at 0.305 MMBtu/hour and operates at 900 degrees Fahrenheit
3. Afterburner rated at 0.470 MMBtu/hour and operates at 1800 degrees Fahrenheit
4. No emission controls are associated with this equipment
5. May be operated 8760 hours per year

B012341 STEAM GENERATOR (STEAM CLEANING RACK UNIT #1)

1. Clayton model SEG-154-1-FMB package boiler, identical to B012342
2. Maximum Heat Input Rating of 6.199 MMBtu/hour
3. Equipped with a low-NOx burner
4. Operation limited to 18 hours /day, 6 days/week
5. Combined operation of B012341 and B012342 limited to 10,032 hours/year

B012342 STEAM GENERATOR (STEAM CLEANING RACK UNIT #1)

1. Clayton model SEG-154-1-FMB package boiler, identical to B012341
2. Maximum Heat Input Rating of 6.199 MMBtu/hour
3. Equipped with a low-NOx burner
4. Operation limited to 18 hours/day, 6 days/week
5. Combined operation of B012341 and B012342 limited to 10,032 hours/year

B012548 DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 1)

1. Capable of testing engines up to 2100 bhp
2. No emission controls are directly associated with this equipment, however all inherent emission control devices of engine being tested must be used
3. May be operated 8760 hours per year

B012549 DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 2)

1. Capable of testing engines up to 2100 bhp
2. No emission controls are directly associated with this equipment, however all inherent emission control devices of engine being tested must be used
3. May be operated 8760 hours per year

B012550 DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 3)

1. Capable of testing engines up to 2100 bhp
2. No emission controls are directly associated with this equipment, however all inherent emission control devices of engine being tested must be used
3. May be operated 8760 hours per year

B012551 DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 4)

1. Capable of testing engines up to 2100 bhp
2. No emission controls are directly associated with this equipment, however all inherent emission control devices of engine being tested must be used
3. May be operated 8760 hours per year

- B012552 DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 6)
1. Capable of testing engines up to 1000 bhp
  2. No emission controls are directly associated with this equipment, however all inherent emission control devices of engine being tested must be used
  3. May be operated 8760 hours per year
- B012553 DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 7)
1. Capable of testing engines up to 10,000 bhp
  2. No emission controls are directly associated with this equipment, however all inherent emission control devices of engine being tested must be used
  3. May be operated 8760 hours per year
- B012554 SPIN TEST CELL, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 1)
1. Used to monitor unloaded engines only
  2. No emission controls are directly associated with this equipment, however all inherent emission control devices of engine being tested must be used
  3. May be operated 8760 hours per year
- B012555 DYNAMOMETER, TACTICAL VEHICLE ENGINE (BLDG 641, UNIT 5)
1. Capable of testing engines up to 1000 bhp
  2. No emission controls are directly associated with this equipment, however all inherent emission control devices of engine being tested must be used
  3. May be operated 8760 hours per year
- C003245 DUST COLLECTOR (BLDG 570, NORTH HARDSTAND)
1. Torit model DFT 4-176 pulsejet cartridge style, equipped with a leak detection system
  2. 176 total cartridges, each measuring 13.84 inches in diameter x 25 inches long
  3. Airflow is 97,700 acfm, yielding an air to cloth ratio of 2.2 to 1
  4. PM<sub>10</sub> emissions limited to 5.0 lbs per hour and 0.006 grains per dscf
  5. May be operated 8760 hours per year
- C003247 DUST COLLECTOR (BLDG 570, NORTH HARDSTAND)
1. Torit model DFT 4-176 pulsejet cartridge style, equipped with a leak detection system
  2. 176 total cartridges, each measuring 13.84 inches in diameter x 25 inches long
  3. Airflow is 97,700 acfm, yielding an air to cloth ratio of 2.2 to 1
  4. PM<sub>10</sub> emissions limited to 5.0 lbs per hour and 0.006 grains per dscf
  5. May be operated 8760 hours per year
- C003961 DUST COLLECTOR (BLDG 569)
1. Blast Coat Systems, Inc. model BCSABS-4-48 pulsejet cartridge style, equipped with a leak detection system
  2. 48 total cartridges, each having approximately 255 square feet of filter surface
  3. Airflow is 26,900 acfm, yielding an air to cloth ratio of 2.2 to 1
  4. Controls emissions from equipment described in District Permit A003959

4. Filter efficiency is 99.999% for 0.5 micron aerodynamic diameter particles
  5. May be operated 8760 hours per year
- C005010 HEPA VAC (BLDG 632)
1. Nilfisk model GS-80
  2. Filter efficiency is 99.97% for 0.3 micron aerodynamic diameter particles
  3. May be operated 8760 hours per year
- C008397 REGENERATIVE THERMAL OXIDIZER (BLDG 634)
1. Kinemax Crossfire model duct heaters and low NOx oxidation chamber burners
  2. Controls emissions from equipment described in District Permits S008392, S008393, S008394, S008395, and S008396
  3. VOC emissions from entire paint and undercoat facility equipment is limited to no more than 3089 pounds per year
  4. May be operated 8760 hours per year
- C008808 DUST COLLECTOR (BLDG 629)
1. Donaldson-Torit model DFT 4-48 pulsejet cartridge style, equipped with a leak detection system
  2. 48 total cartridges, each measuring 13.84 inches in diameter x 25 inches long
  3. Airflow is 27,500 acfm, yielding an air to cloth ratio of 2.3 to 1
  4. Controls PM<sub>10</sub> emissions from abrasive blasting booth described in District Permit A008793
  5. May be operated 8760 hours per year
- C009132 DUST COLLECTOR (BLDG 565)
1. Torit model DFT 4-192 pulsejet cartridge style, equipped with a bag leak detection system
  2. 192 total pleated cartridges, each measuring 13.84 inches in diameter x 25 inches long
  3. Airflow is 113,000 acfm, yielding an air to cloth ratio of 2.3 to 1
  4. Controls PM<sub>10</sub> emissions from abrasive blasting booth described in District Permit A009130
  5. PM<sub>10</sub> emissions limited to 0.0028 lbs per hour
  6. May be operated 8760 hours per year
- C009133 DUST COLLECTOR (BLDG 565)
1. Torit model DFT 4-192 pulsejet cartridge style, equipped with a bag leak detection system
  2. 192 total pleated cartridges, each measuring 13.84 inches in diameter x 25 inches long
  3. Airflow is 113,000 acfm, yielding an air to cloth ratio of 2.3 to 1
  4. Controls PM<sub>10</sub> emissions from abrasive blasting booth described in District Permit A009131
  5. PM<sub>10</sub> emissions limited to 0.0028 lbs per hour
  6. May be operated 8760 hours per year
- C009623 RECUPERATIVE THERMAL OXIDIZER (BLDG 634)

1. Munters Zeol Systems model IZS-3546-TH concentrator and a 3.2 MMBtu/hour Eclipse RatioMatic Model RM500 low NOx recuperative thermal oxidizer
  2. Normal operating temperature of combustion chamber is 1375 degrees Fahrenheit
  3. Controls VOC emissions from spray booth described in District Permit S009622
  4. VOC emissions from entire paint and undercoat facility equipment is limited to no more than 3089 pounds per year
  5. May be operated 8760 hours per year
- C009968 REGENERATIVE THERMAL OXIDIZER (BLDG 634)
1. Munters Zeol Systems model IZS-2946-TH concentrator and a 1.3 MMBtu/hour Eclipse model WX200 low NOx regenerative thermal oxidizer
  2. Normal operating temperature of combustion chamber is 1400 degrees Fahrenheit
  3. Controls VOC emissions from spray booth described in District Permit S009969
  4. VOC emissions from entire paint and undercoat facility equipment is limited to no more than 3089 pounds per year
  5. May be operated 8760 hours per year
- C010219 DUST COLLECTOR (BLDG 629)
1. Sunspan Systems Inc model SSC-9-XLC-SOC cartridge style
  2. 9 total pleated cartridge filters with a total surface area of 2682 square feet
  3. Airflow is 4,500 acfm, yielding an air to cloth ratio of 1.68 to 1
  4. Controls PM<sub>10</sub> emissions from abrasive blasting booth described in District Permit A004412
  5. PM<sub>10</sub> emissions limited to 1378.70 lbs per year
  6. May be operated no more than 3000 hours per year, nor more than 50 weeks per year, nor more than 6 days per week, nor more than 10 hours per day
- C010410 DUST COLLECTOR (BLDG 566)
1. Donaldson-Torit model DFT 4-256 pulsejet cartridge style, equipped with a bag leak detection system
  2. 256 total pleated cartridges, each filter having 254 square feet of surface area
  3. Airflow is 126,500 acfm, yielding an air to cloth ratio of 1.95 to 1
  4. Controls PM<sub>10</sub> emissions from abrasive blasting booth described in District Permit A005113
  5. PM<sub>10</sub> Control Efficiency stated to be in excess of 99.999% by manufacturer
  6. May be operated 8760 hours per year
- C010858 REGENERATIVE THERMAL OXIDIZER (BLDG 573)
1. Munters Zeol Systems model IZS-3546-TH concentrator and a 0.955 MMBtu/hour Eclipse RatioMatic Model RM100 low NOx regenerative thermal oxidizer
  2. Maximum operating temperature of combustion chamber is 1450 degrees Fahrenheit
  3. Controls VOC emissions from spray booth/oven described in District Permit S004558
  4. VOC emissions from entire paint and undercoat facility equipment is limited to no more than 3089 pounds per year

5. May be operated 8760 hours per year
- C010859 REGENERATIVE THERMAL OXIDIZER #2 (BLDG 573)
1. Munters Zeol Systems model IZS-3546-TH concentrator and a 2.84 MMBtu/hour Eclipse RatioMatic Model RM500 low NOx regenerative thermal oxidizer
  2. Maximum operating temperature of combustion chamber is 1450 degrees Fahrenheit
  3. Controls VOC emissions from spray booth/oven described in District Permit S002873
  4. VOC emissions from entire paint and undercoat facility equipment is limited to no more than 3089 pounds per year
  5. May be operated 8760 hours per year
- C011458 REGENERATIVE THERMAL OXIDIZER SYSTEM #3 (BLDG 573)
1. Munters Zeol Systems model IZS-3546-TH concentrator and a 2.84 MMBtu/hour Eclipse RatioMatic Model RM500 low NOx regenerative thermal oxidizer
  2. Normal operating temperature of combustion chamber is 1375 degrees Fahrenheit
  3. Controls VOC emissions from spray booth/oven described in District Permit S002872
  4. VOC emissions from entire paint and undercoat facility equipment is limited to no more than 3089 pounds per year
  5. May be operated 8760 hours per year
- D012389 ULTRASONIC VAPOR DEGREASER
1. Branson model B3550R
  2. Equipped with a pneumatic sliding cover
  3. May only use Novec® 72DE degreasing solvent
  4. VOC emissions further controlled by limiting solvent use to 50 gallons per year
  5. May be operated 8760 hours per year if able to remain under solvent usage cap
- E004501 DIESEL IC ENGINE, EMERGENCY GENERATOR
1. Tier 0 engine manufactured prior to 1996
  2. Engine produced 1020 bhp using Ultra-Low Sulfur Diesel fuel
  3. Engine operation limited to 20 hours per year for maintenance and testing purposes
  4. Engine operation not limited during emergency use as defined in permit conditions
  5. No control devices are associated with this device
- E005016 DIESEL IC ENGINE, EMERGENCY AIR COMPRESSOR (#1):
1. Tier 0 engine manufactured prior to 1996
  2. Engine produced 450 bhp using Ultra-Low Sulfur Diesel fuel
  3. Engine operation limited to 20 hours per year for maintenance and testing purposes
  4. Engine operation not limited during emergency use as defined in permit conditions
  5. No control devices are associated with this device
- E005017 DIESEL IC ENGINE, EMERGENCY AIR COMPRESSOR (#2):
1. Tier 0 engine manufactured prior to 1996
  2. Engine produced 450 bhp using Ultra-Low Sulfur Diesel fuel
  3. Engine operation limited to 20 hours per year for maintenance and testing purposes
  4. Engine operation not limited during emergency use as defined in permit conditions

5. No control devices are associated with this device
- E005337 LPG/PROPANE IC ENGINE, EMERGENCY GENERATOR (BLDG S-578, WELL #4)
1. Turbocharged engine produces 216 bhp using Commercial Grade LPG/Propane
  2. Engine operation limited to 100 hours per year for maintenance and testing purposes
  3. Engine operation not limited during emergency use as defined in permit conditions
  4. No control devices are associated with this device
- E005338 LPG/PROPANE IC ENGINE, EMERGENCY GENERATOR (BLDG S-600, WELL #5)
1. Turbocharged engine produces 202 bhp using Commercial Grade LPG/Propane
  2. Engine operation limited to 100 hours per year for maintenance and testing purposes
  3. Engine operation not limited during emergency use as defined in permit conditions
  4. No control devices are associated with this device
- E008109 LPG/PROPANE IC ENGINE, EMERGENCY GENERATOR (BLDG 484)
1. Turbocharged engine produces 280 bhp using Commercial Grade LPG/Propane
  2. Engine operation limited to 100 hours per year for maintenance and testing purposes
  3. Engine operation not limited during emergency use as defined in permit conditions
  4. No control devices are associated with this device
- E008110 LPG/PROPANE IC ENGINE, EMERGENCY GENERATOR (BLDG S-487, WELL #6)
1. Turbocharged engine produces 280 bhp using Commercial Grade LPG/Propane
  2. Engine operation limited to 100 hours per year for maintenance and testing purposes
  3. Engine operation not limited during emergency use as defined in permit conditions
  4. No control devices are associated with this device
- E008334 NATURAL GAS IC ENGINE, EMERGENCY GENERATOR (BLDG 610)
1. Turbocharged engine produces 495 bhp using PUC-Regulated pipeline quality Natural gas
  2. Engine operation limited to 100 hours per year for maintenance and testing purposes
  3. Engine operation not limited during emergency use as defined in permit conditions
  4. Emissions controlled with a Miratech model EQ-701-12-C1 catalytic converter and a MEC-2001 air-to-fuel ratio controller
- E009529 DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 558)
1. Tier 0 engine manufactured in 1991
  2. Engine produced 86 bhp using Ultra-Low Sulfur Diesel fuel
  3. Engine operation limited to 20 hours per year for maintenance and testing purposes
  4. Engine operation not limited during emergency use as defined in permit conditions
  5. No control devices are associated with this device
- E012124 NATURAL GAS IC ENGINE, EMERGENCY GENERATOR (BLDG 640)
1. Turbocharged engine produces 302 bhp using PUC-Regulated pipeline quality Natural gas
  2. Engine operation limited to 100 hours per year for maintenance and testing purposes
  3. Engine operation not limited during emergency use as defined in permit conditions
  4. Emissions controlled with a factory-installed integral catalytic converter and

air-to-fuel ratio controller

- E012340 DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 580)
1. Tier 3 engine manufactured in 2014
  2. Engine produced 530 bhp using Ultra-Low Sulfur Diesel fuel
  3. Engine operation limited to 50 hours per year for maintenance and testing purposes
  4. Engine operation not limited during emergency use as defined in permit conditions
  5. No control devices are associated with this device
- E012452 NATURAL GAS IC ENGINE, EMERGENCY GENERATOR (BLDG 573)
1. Turbocharged engine produces 176 bhp using PUC-Regulated pipeline quality Natural gas
  2. Engine operation limited to 100 hours per year for maintenance and testing purposes
  3. Engine operation not limited during emergency use as defined in permit conditions
  4. Emissions controlled with a factory-installed integral catalytic converter and air-to-fuel ratio controller
- G010744 E85 DISPENSING FACILITY
1. For dispensing 85% ethanol, 15% regular unleaded gasoline
  2. 10,000 gallon tank
  3. R&D Test Site for CA Air Resources Board E85 test program
  4. Exempt from Phase II EVR
  5. May operate 8760 hours per year
- S002872 PAINT SPRAY BOOTH WITH CURING OVEN (BLDG 573, AREA 18 N, BAY 3)
1. Binks model # TF-644-T-LH measuring 20 feet wide x 40 feet long x 18 feet high
  2. Air flow is 35,800 acfm through a two-stage filter system consisting of 54 filter pads and 54 bag filters, each measuring 20 inches by 20 inches
  3. VOCs are controlled by the Thermal Oxidizer described in District Permit C011458
  4. May operate 8760 hours per year
- S002873 PAINT SPRAY BOOTH WITH CURING OVEN (BLDG 573, BAY 2)
1. Binks model # TF-644-T-LH measuring 20 feet wide x 40 feet long x 18 feet high
  2. Air flow is 35,800 acfm through a two-stage filter system consisting of 54 filter pads and 54 bag filters, each measuring 20 inches by 20 inches
  3. VOCs are controlled by the Thermal Oxidizer described in District Permit C010859
  4. May operate 8760 hours per year
- S002876 FINAL COAT BOOTH (BLDG 634, BAY 13)
1. Model # TECD-601870 measuring 60 feet wide x 70 feet long x 18 feet high
  2. Air flow is 60,000 acfm through a two-stage filter system consisting of 140 filter pads, each measuring 20 inches by 20 inches, and 140 bag filters
  3. VOCs are controlled by daily emission limits
  4. May operate 8760 hours per year
- S004558 PAINT SPRAY BOOTH WITH CURING OVEN (BLDG 573, BAY 1)

1. A modified Golden West Mfg. model # 2060 measuring 20 feet wide x 60 feet long x 18 feet high, with an associated hot water heated drying oven
  2. Total air flow is 36,000 acfm, with 13,000 acfm being recirculated back into the booth and 23,000 acfm flowing to the thermal oxidizer described in District Permit C010858
  3. Total of 72 exhaust filters, each measuring 20 inches by 20 inches
  4. VOCs are controlled by the thermal oxidizer described in District Permit C010858
  5. May operate 8760 hours per year
- S008392 BASE COAT BOOTH (BLDG 634, BAY 1)
1. Model # TECD-301860DT measuring 30 feet wide x 60 feet long x 18 feet high
  2. Air flow is 57,000 acfm through a two-stage filter system consisting of 108 filter pads, each measuring 20 inches by 20 inches, and 108 bag filters
  3. VOCs are controlled by the thermal oxidizer described in District Permit C008397
  4. May operate 8760 hours per year
- S008393 BASE COAT BOOTH WITH CURING OVEN (BLDG 634, BAY 4)
1. Model # TECD-201860PDT measuring 20 feet wide x 45 feet long x 16 feet high
  2. Air flow is 32,000 acfm through a two-stage filter system consisting of 64 filter pads and 64 bag filters, each measuring 20 inches by 20 inches
  3. VOCs are controlled by the thermal oxidizer described in District Permit C008397
  4. May operate 8760 hours per year
- S008394 BASE COAT BOOTH WITH CURING OVEN (BLDG 634, BAY 8)
1. Model # TECD-201235PSB measuring 20 feet wide x 35 feet long x 12 feet high
  2. Air flow is 24,000 acfm through a two-stage filter system consisting of 78 filter pads and 78 bag filters, each measuring 20 inches by 20 inches
  3. VOCs are controlled by the thermal oxidizer described in District Permit C008397
  4. May operate 8760 hours per year
- S008395 PRIME COAT BOOTH WITH CURING OVEN (BLDG 634, BAY 10)
1. Model # TECD-201860PDT measuring 20 feet wide x 60 feet long x 18 feet high
  2. Air flow is 39,000 acfm through a two-stage filter system consisting of 90 filter pads, each measuring 20 inches by 20 inches, and 90 bag filters
  3. VOCs are controlled by the thermal oxidizer described in District Permit C008397
  4. May operate 8760 hours per year
- S008396 PRIME COAT BOOTH WITH CURING OVEN (BLDG 634, BAY 3)
1. Model # TECD-201235PSB measuring 20 feet wide x 35 feet long x 12 feet high
  2. Air flow is 24,000 acfm through a two-stage filter system consisting of 40 filter pads, each measuring 20 inches by 20 inches, and 40 bag filters
  3. VOCs are controlled by the thermal oxidizer described in District Permit C008397
  4. May operate 8760 hours per year
- S009622 PAINT SPRAY BOOTH (BLDG 634, BAY 6)
1. Spray Systems model # TB-462018-P measuring 16 feet wide x 46 feet long x 18 feet high

2. Air flow is 25,000 acfm through a two-stage filter system consisting of 78 'Ultra Panel' brand filter pads, each measuring 20 inches by 20 inches, and 78 'OSM-100' pocket filters, also measuring 20 inches x 20 inches each
  3. VOCs are controlled by the thermal oxidizer described in District Permit C008397
  4. May operate 8760 hours per year
- S009969 PAINT SPRAY BOOTH WITH CURING OVEN (BLDG 634, BAY 12)
1. Bleeker Brothers model # STDT-12-10-30 measuring 12 feet wide x 30 feet long x 10 feet high
  2. Air flow is 12,800 acfm through a three-stage filter system consisting of a blanket filter measuring 42 inches wide x 11 feet long, 24 'Ultra Panel' brand filter pads, each measuring 20 inches by 20 inches, and 24 'OSM-100' brand pocket filters, also measuring 20 inches x 20 inches each
  3. VOCs are controlled by the thermal oxidizer described in District Permit C009968
  4. May operate 8760 hours per year
- T005251 INDUSTRIAL WASTEWATER TANKS, PORTABLE (BLDG 611)
1. Four identical tanks, each tank measures 39.75 feet long x 9.5 feet in diameter
  2. Used to equalize influent wastewater flow into the Industrial Wastewater Treatment Plant described in District permit B008746
  3. May operate 8760 hours per year
- T011924 DIP TANK #1 (CLEAN LINE #1, BLDG 640)
1. Measures 10 feet wide x 15 feet long x 5.5 feet deep and equipped with a natural gas heater normally operated at a temperature of 190 degrees Fahrenheit
  2. Contains Sodium Hydroxide (NaOH) with a maximum solution depth of 4.5 feet
  3. Equipped with an automated tank cover and a push air system to control fumes
  4. May be operated 8760 hours per year
- T011925 DIP TANK #2 (CLEAN LINE #1, BLDG 640)
1. Measures 10 feet wide x 10 feet long x 5.5 feet deep and equipped with a natural gas heater normally operated at a temperature of 200 degrees Fahrenheit
  2. Contains water (for rinsing parts only) with a maximum solution depth of 4.5 feet
  3. Equipped with an automated tank cover and a push air system to control fumes
  4. May be operated 8760 hours per year
- T011926 DIP TANK #3 (CLEAN LINE #1, BLDG 640)
1. Measures 10 feet wide x 10 feet long x 5.5 feet deep and equipped with a natural gas heater normally operated at a temperature of 150 degrees Fahrenheit
  2. Contains an iron phosphate blend with a maximum solution depth of 4.5 feet
  3. Equipped with an automated tank cover and a push air system to control fumes
  4. May be operated 8760 hours per year
- T011927 DIP TANK #4 (CLEAN LINE #2, BLDG 640)
1. Measures 4.3 feet wide x 7.2 feet long x 5 feet deep and equipped with a natural gas heater normally operated at a temperature of 160 degrees Fahrenheit

2. Contains phosphoric acid with a maximum solution depth of 4 feet
  3. Equipped with an automated tank cover and a push air system to control fumes
  4. May be operated 8760 hours per year
- T011928 DIP TANK #5 (CLEAN LINE #2, BLDG 640)
1. Measures 4.3 feet wide x 7.2 feet long x 5 feet deep and equipped with a natural gas heater normally operated at a temperature of 180 degrees Fahrenheit
  2. Contains a sodium lauryl sulfate blend with a maximum solution depth of 4 feet
  3. Equipped with an automated tank cover and a push air system to control fumes
  4. May be operated 8760 hours per year
- T011929 DIP TANK #7 (CLEAN LINE #2, BLDG 640)
1. Measures 4.3 feet wide x 7.2 feet long x 5 feet deep and equipped with a natural gas heater normally operated at a temperature of 185 degrees Fahrenheit
  2. Contains manganese phosphate with a maximum solution depth of 4 feet
  3. Equipped with an automated tank cover and a push air system to control fumes
  4. May be operated 8760 hours per year
- T011930 DIP TANK #8 (CLEAN LINE #2, BLDG 640)
1. Measures 4.3 feet wide x 7.2 feet long x 5 feet deep and equipped with a natural gas heater normally operated at a temperature of 160 degrees Fahrenheit
  2. Contains a trivalent chromium salt with a maximum solution depth of 4.2 feet
  3. Equipped with an automated tank cover and a push air system to control fumes
  4. May be operated 8760 hours per year
- T011931 DIP TANK #10 (CLEAN LINE #2, BLDG 640)
1. Measures 4.3 feet wide x 7.2 feet long x 5 feet deep and equipped with a natural gas heater normally operated at a temperature of 130 degrees Fahrenheit
  2. Contains a proprietary aluminum cleaner with a maximum solution depth of 4.2 feet
  3. Equipped with an automated tank cover and a push air system to control fumes
  4. May be operated 8760 hours per year
- T011932 DIP TANK #9 (CLEAN LINE #2, BLDG 640)
1. Measures 4.3 feet wide x 7.2 feet long x 5 feet deep and equipped with a natural gas heater normally operated at a temperature of 86 degrees Fahrenheit
  2. Contains a proprietary aluminum pre-treatment blend with a maximum solution depth of 4 feet
  3. Equipped with an automated tank cover and a push air system to control fumes
  4. May be operated 8760 hours per year
- T012039 DIP TANK #1 (BLDG 573, SMALL ARMS AREA)
1. Measures 8 feet wide x 4 feet long x 4 feet deep and equipped with a natural gas heater normally operated at a temperature of 205 degrees Fahrenheit
  2. Contains manganese phosphate with a maximum solution depth of 3.5 feet
  3. Equipped with a vapor collection hood and tight fitting covers to control fumes

4. Tank may be operated 8760 hours per year, heater emissions from entire Small Arms Dip Tank Line limited by permit condition
- T012040 DIP TANK #5 (BLDG 573, SMALL ARMS AREA)
1. Measures 8 feet wide x 4 feet long x 4 feet deep and equipped with a natural gas heater normally operated at a temperature of 205 degrees Fahrenheit
  2. Contains soluble oil with a maximum solution depth of 3.5 feet
  3. Equipped with a vapor collection hood and tight fitting covers to control fumes
  4. Tank may be operated 8760 hours per year, heater emissions from entire Small Arms Dip Tank Line limited by permit condition
- T012041 DIP TANK #11 (BLDG 573, SMALL ARMS AREA)
1. Measures 8 feet wide x 4 feet long x 4 feet deep and equipped with a natural gas heater normally operated at a temperature of 125 degrees Fahrenheit
  2. Contains P-9 preservation/lubrication oil with a maximum solution depth of 3.5 feet
  3. Equipped with a vapor collection hood and tight fitting covers to control fumes
  4. Tank may be operated 8760 hours per year, heater emissions from entire Small Arms Dip Tank Line limited by permit condition
- T012042 DIP TANK #4 (BLDG 573, SMALL ARMS AREA)
1. Measures 8 feet wide x 4 feet long x 4 feet deep and equipped with a natural gas heater normally operated at a temperature of 150 degrees Fahrenheit
  2. Contains chromic acid/chromium chromate with a maximum solution depth of 3.5 feet
  3. Equipped with a vapor collection hood and tight fitting covers to control fumes
  4. Tank may be operated 8760 hours per year, heater emissions from entire Small Arms Dip Tank Line limited by permit condition
- T012043 DIP TANK #9 (BLDG 573, SMALL ARMS AREA)
1. Measures 8 feet wide x 4 feet long x 4 feet deep and operates at ambient temperature
  2. Contains Hydrochloric Acid with a maximum solution depth of 3.5 feet
  3. Equipped with a vapor collection hood and tight fitting covers to control fumes
  4. Tank may be operated 8760 hours per year
- T012044 DIP TANK #2 (BLDG 573, SMALL ARMS AREA)
1. Measures 8 feet wide x 4 feet long x 4 feet deep and equipped with a natural gas heater normally operated at a temperature of 205 degrees Fahrenheit
  2. Contains manganese phosphate with a maximum solution depth of 3.5 feet
  3. Equipped with a vapor collection hood and tight fitting covers to control fumes
  4. Tank may be operated 8760 hours per year, heater emissions from entire Small Arms Dip Tank Line limited by permit condition

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

A. REQUIREMENTS APPLICABLE TO THE ENTIRE FACILITY AND ALL EQUIPMENT

1. A permit is required to operate this facility.  
[Rule 203 – *Permit to Operate*]
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*]
3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.  
[Rule 204 - *Permit Conditions*]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.  
[Rule 204 - *Permit Conditions*]
5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the APCO/District.  
[Rule 206 - *Posting of Permit to Operate*]
6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.  
[Rule 207 - *Altering or Falsifying of Permit*]
7. Permits are not transferrable.  
[Rule 209 – *Transfer and Voiding of Permit*]
8. The APCO may require the Owner/Operator to provide and maintain such facilities as are

necessary for sampling and testing.

Rule 217 – *Provisions for Sampling and Testing Facilities*]

9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.  
[Rule 219 - *Equipment Not Requiring a Written Permit*]
10. The owner/operator of this facility shall obtain a Federal Operating Permit for operation of this facility.  
[Rule 221 - *Federal Operating Permit Requirement*]
11. The owner/operator of this facility shall pay all applicable MDAQMD permit fees.  
[Rule 301 – *Permit Fees*]
12. The owner/operator of this facility shall pay all applicable MDAQMD Title V permit fees.  
[Rule 312 - *Fees for Federal Operating Permits*]
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*]

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*]

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.

16. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an “Alternative PM<sub>10</sub> Control Plan” (ACP) pursuant to Rule 403.2(G) has been approved.

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

17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in 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*]
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*]
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 (SO<sub>2</sub>), greater than or equal to 500 ppm by volume.  
[Rule 406 - *Specific Contaminants*]
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*]
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*]
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 (CO<sub>2</sub>) at standard conditions averaged over a minimum of 25 consecutive minutes.

[Rule 409 - *Combustion Contaminants*]

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.

[Rule 430 - *Breakdown Provisions*]

24. Owner/Operator of this facility shall not discharge into the atmosphere emissions in excess of the following from VOC containing materials or from organic solvents which are not VOCs unless such emissions have been reduced by at least 85%:
- (a) VOCs from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month per Facility.
  - (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 use of pesticides including insecticides, rodenticides 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
- [Rule 442 – *Usage of Solvents*]

25. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered “open outdoor fires” for the purposes of Rule 444 [reference Rule 444(B)(10)].  
[Rule 444 – *Open Outdoor Fires*]
26. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning, and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) 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*]

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

**Table 1**  
**VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS**

Limits are expressed in grams of VOC per liter<sup>a</sup> 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.

<u>Coating Category</u>	<u>VOC Limit</u>
<b>Primary Coatings</b>	
Flat Coatings	50
Nonflat Coatings	100
Nonflat High Gloss Coatings	150
<b>Specialty Coatings</b>	
Aluminum Roof Coatings	400
Basement Specialty Coatings	400
Bituminous Roof Coatings	50
Bituminous Roof Primers	350
Bond Breakers	350
Concrete Curing Compounds	350
Concrete/Masonry Sealers	100
Driveway Sealers	50
Dry Fog Coatings	150
Faux Finishing Coatings	350
Fire Resistive Coatings	350
Floor Coatings	100
Form-Release Compounds	250
Graphic Arts Coatings (Sign Paints)	500
High Temperature Coatings	420
Industrial Maintenance Coatings	250
Low Solids Coatings	120 <sup>a</sup>
Magnesite Cement Coatings	450
Mastic Texture Coatings	100
Metallic Pigmented Coatings	500
Multi-Color Coatings	250

Pre-Treatment Wash Primers	420
Primers, Sealers, and Undercoaters	100
Reactive Penetrating Sealers	350
Recycled Coatings	250
Roof Coatings	50
Rust Preventive Coatings	250
Shellacs, Clear	730
Shellacs, Opaque	550
Specialty Primers, Sealers, and Undercoaters	100
Stains	250
Stone Consolidants	450
Swimming Pool Coatings	340
Traffic Marking Coatings	100
Tub and Tile Refinish Coatings	420
Waterproof Membranes	250
Wood Coatings	275
Wood Preservatives	350
Zinc-Rich Primers	340

<sup>a</sup>: Limit is expressed as VOC Actual, as defined in Rule 1301(G)(1)(a)(ii)

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

(1) 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) is in compliance with this subsection.

#### LIMITS

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

<u>Coating Category</u>	<u>VOC Limit</u>	
	g/l	lb/gal
Clear Sealers	275	2.3
Clear Topcoat	275	2.3
Pigmented Primers, Sealers, Undercoats	275	2.3

Pigmented Topcoats	275	2.3
Fillers	275	2.3
High-Solids Stains	350	2.9
Inks	500	4.2
Mold-Seal Coatings	750	6.3
Multi-Colored Coatings	275	2.3
Low-Solids Stains, Toners, and Washcoats	120	1.0
Adhesives	250	2.1

[Rule 1114 - *Wood Products Coating Operations*]

29. Owner/Operator's use of Metal Parts and Products Coatings at this facility shall comply with the applicable requirements of Rule 1115, including the VOC limits specified in Rule 1115, as listed below:

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:

#### VOC 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*]

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

(1) VOC Contents of Coatings

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

Table 1 - Coating Categories and VOC Limits

(a) Effective on the dates specified, a Person shall not apply Coating to a Motor Vehicle,

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)

Motor Vehicle Coating	310 (2.6)
Underbody Coating	430 (3.6)
Uniform Finish Coating	540 (4.5)
Any Other Coating Type	250 (2.1)

(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. [Rule 1116 - *Automotive Finishing Operations*]

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

Coating Types and VOC Limits  
 (Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds)

Coating Type	VOC Limit	
	g/L	lb/gal
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
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
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*]

32. If, in the future, the facility performs operations subject to the National Emissions Standard for Hazardous Air Pollutants (NESHAP) for Aerospace Manufacturing and Rework Facilities, those operations must comply with the requirements of that regulation. This Title V Permit and applicable District Permits would require modification to allow Aerospace Manufacturing and Rework Facilities within the Mojave Desert Air Quality Management District jurisdiction.  
[40 CFR 63 Subpart GG]  
[Rule 204 - *Permit Conditions*]  
[Rule 1118 - *Aerospace Vehicle Parts and Products Coating Operations*]
33. 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.  
[Rule 1211 - *Greenhouse Gas Provisions of Federal Operating Permits*]

**B. FACILITY-WIDE MONITORING, RECORDKEEPING, & REPORTING REQUIREMENTS**

1. Any data and records generated and/or kept pursuant to the requirements in this federal Operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.  
[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*]
3. The owner/operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
  - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
  - (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by ASTM method D2622-10 or ASTM method D2880-03 (or equivalent). Vendor data meeting this requirement are sufficient.  
[40 CFR 70.6(a)(3)(B) – Periodic Monitoring Requirements]  
[Rule 204 - *Permit Conditions*]
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) The Owner/Operator shall submit a Compliance Certification Report to the APCO every year pursuant to District Rule 1203. This report shall cover the period from January 1<sup>st</sup> of the previous year through December 31<sup>st</sup> of the previous year, and shall be received by the District no later than March 31<sup>st</sup> of the current year. Each report shall be certified to be true, accurate, and complete by “The Responsible Official” and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.

[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(v - x)]

5. The Owner/Operator shall submit a Monitoring Report to the APCO twice each year. The first such report shall cover the period from January 1<sup>st</sup> through June 30<sup>th</sup> and shall be received by the District no later than September 30<sup>th</sup>. The second such report shall cover the period from July 1<sup>st</sup> through December 31<sup>st</sup> and shall be received by the District no later than March 31<sup>st</sup>. These Monitoring Reports shall be certified to be true, accurate, and complete by “The Responsible Official” and shall include, as a minimum, the following information and/or data:

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

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

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

An alternate Monitoring Report format may be used upon prior approval by MDAQMD.

[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.

[Rule 430 – *Breakdown Provisions*]

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

(a). *General Limit for Entire Facility:* The total emissions of Hazardous Air Pollutants (HAPs) for the Marine Corps Logistics Base Barstow –Yermo Annex shall not exceed 9.5 tons per year for any single HAP and 24.5 tons per year for any combination of HAPs calculated monthly on a rolling twelve month annual basis. HAPs are defined in 40 CFR 61.01 “Lists of pollutants” and are the chemical compounds listed in section 112(b) of the Clean Air Act (Act).

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

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

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

[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]

[Rule 204 - *Permit Conditions*]

C. FACILITY-WIDE COMPLIANCE CONDITIONS

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.  
[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.  
[Rule 1203 (D)(1)(f)(ii)]
6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally – enforceable requirements that become effective during the term of this permit.  
[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]

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

D. COMPLIANCE ASSURANCE MONITORING (CAM) PLANS

1. USMC Logistics Base, Barstow, CA - Yermo Annex has no permitted units with an uncontrolled Potential to Emit in excess of current Federal Major Source thresholds, therefore no CAM Plans are currently required.
2. In the event of any changes to (lowering of) any Federal Major Source threshold which place any emission unit at the facility above any such revised threshold, the owner/operator shall have ninety (90) days from the effective date of change to submit a CAM Plan to the District.



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

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

**A. ABRASIVE BLASTING SYSTEMS**

District Permit Numbers: A000951, A000952, A003959, A004412, A005015, A005113,  
A008793, A009130, A009131, A010885, and A012560

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

[District Rule 204]

2. This abrasive blasting booth shall not be operated unless vented to the functioning air pollution control device listed in the above Description.

[District Rule 204]

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

[District Rule 204]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.

[District Rules 204 and 401]

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

a. Number of hours used;

- b. Manufacturer's name and product name/code number of each abrasive material used; and
  - c. Quantity of each abrasive material used, in pounds.
- [40 CFR 70.6(a)(3)(ii)(b), District Rule 204]

6. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device, although such testing may be required in the future.  
[District Rule 204]

7. [For A003959 only] The weight of PM<sub>10</sub> emitted to the atmosphere from this unit, via the associated air pollution control device, shall not exceed 80 pounds per day.  
[District Rule 204]

**or**

7. [For A004412 only] This unit shall not operate for more than 3,000 hours in any consecutive twelve month period. Furthermore, its operation shall be restricted to no more than 10 hours per day, nor more than 6 days per week.  
[District Rule 204]

**or**

7. [For A010885 only] To ensure the weight of PM<sub>10</sub> emitted to the atmosphere from this unit, via the associated air pollution control device, does not exceed 2.65 pounds per year, this unit shall not operate for more than 2,137 hours in any consecutive twelve month period.  
[District Rule 204]

8. [For A004412 only] This unit shall only use steel or iron shot/grit exclusively. "Steel or iron shot/grit" means abrasives which meet either the Society of Automotive Engineers (SAE) recommended practices J827 and J444 or Steel Founders' Society of America Standards 21-68 or 20T-66, as those practices existed on 2-24-84.  
[District Rule 204]

**or**

8. [For A010885 only] This unit shall only use acrylic abrasive media exclusively.  
[District Rule 204]

## B. ENGINE DYNAMOMETERS AND SPIN TEST CELLS

District Permit Numbers: B012548, B012549, B012550, B012551, B012552, B012553,  
B012554, and B012555

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

[District Rule 204]

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

[District Rule 204]

3. All emission control systems normally installed on engines being tested on this unit shall be connected and fully functional throughout all tests.

[District Rule 204]

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

- a. Date and run duration of each engine's operation,
- b. Fuel consumed, in gallons, by the operating engine, and
- c. Maximum developed brake hp of the engine being tested (n/a for spin tests only).

[40 CFR 70.6(a)(3)(ii)(b), District Rule 204]

#### C. VEHICLE UNDERCOATING OPERATIONS

District Permit Numbers: B004194 and B004753

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

[District Rule 204]

2. Only HVLP spray guns, airless spray guns, hand-held aerosol coating products, or hand application methods shall be used in this equipment unless prior written authorization from the District is first obtained.

[District Rule 204]

3. This equipment shall only be used to apply coatings to military vehicles, military vehicle components, and military equipment.

[District Rule 204]

4. All coatings, diluents, thinners and solvents used within this complex shall comply with District Rules 442, 1115, and 1116 in their entirety. These rules pertain to Photochemically Reactive Solvents, Metal Parts & Products Coatings Operations, and Automotive Refinishing Operations,

respectively.

[District Rules 442, 1115, and 1116]

5. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.25 and 2.5 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.

Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.

[District Rules 204 and 1320]

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

- a. Equipment used to apply each coating and the type of substrate being coated;
- b. Type of coating used and its VOC limit under each applicable rule;
- c. Quantity of coating used and its VOC content (in pounds per gallon or grams per liter);
- d. Total VOC emissions for each day's operations;
- e. Total VOC emissions for each rolling consecutive twelve month period; and
- f. Differential pressure readings across the exhaust filters [For B004194 only]

[40 CFR 70.6(a)(3)(ii)(b), District Rules 204, 1115, and 1116]

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

[17 CCR 93112, District Rule 1116]

8. [For B004194 only] The total weight of VOCs emitted from this undercoating complex combined with the total weight of VOCs emitted from the undercoating rack described in District permit B004753 shall not exceed 250 pounds per day.

[District Rule 204]

**or**

8. [For B004753 only] The total weight of VOCs emitted from this undercoating complex combined with the total weight of VOCs emitted from the undercoating rack described in District permit B004194 shall not exceed 250 pounds per day.

[District Rule 204]

9. [For B004753 only] The total weight of VOCs emitted into the atmosphere from solvent use alone shall not exceed 39.6 pounds per day. This weight shall be included in the 250 pound per day total limit in condition #8.

[District Rule 204]

### C. WASTEWATER TREATMENT FACILITY

District Permit Numbers: B004680 and B004681

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

[District Rule 204]

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

- a. Amount of wastewater received and treated; and
- b. Descriptions of all malfunctions and corrective actions taken.

[40 CFR 70.6(a)(3)(ii)(b), District Rule 204]

### C. INDUSTRIAL WASTEWATER TREATMENT FACILITY

District Permit Number: B008746

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

[District Rule 204]

2. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
  - a. Monthly total volume of liquid entering Clarifiers 1 and 2
  - b. Quarterly total volume of skimmings removed from Clarifiers 1 and 2
  - c. Dates and volumes of all liquids disposed of via certified off-base handling facilities from Tanks T-3 and T-20 (in gallons)
  - d. Records sufficient to verify exemption status from District Rule 464 (see Condition 4)
  - e. Dates and times of operator attended use of any portion of the system; and
  - f. Descriptions of all malfunctions and corrective actions taken.[40 CFR 70.6(a)(3)(ii)(b), District Rule 204]

3. The engineering design and submittal is an integral part of this permit and are specific limitations to the operation of this system unless specifically exempted by the District.  
[District Rule 204]

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

#### D. PAINT PYROLYSIS OVEN

District Permit Number: B008890

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

2. This equipment shall only be fired with PUC Regulated pipeline quality natural gas.  
[District Rule 204]

3. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below for each day of use:
  - a. Number and types of items heated;
  - b. Daily operation in terms of hours;
  - c. Daily operation in terms of standard cubic feet of natural gas burned;

- d. Cumulative rolling consecutive twelve month operation in terms of hours operated; and
  - e. Descriptions of all malfunctions and corrective actions taken.
- [40 CFR 70.6(a)(3)(ii)(b), District Rule 204]

E. BOILERS, SERVING STEAM CLEANING RACKS (BLDG S-575)  
District Permit Numbers: B012341 and B012342

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.  
[40 CFR 63, Subpart DDDDD: 63.7500, District Rule 204]

2. This boiler shall only be fueled with utility grade natural gas and shall be equipped with a meter measuring fuel consumption in standard cubic feet.  
[District Rules 204 and 1303]

3. This boiler must be tuned up at least once every year in accordance with District Rule 1157(C)(3)(b)(iii). The first such tune up must be conducted no later than 01/31/2016.  
[40 CFR 63.7495, 40 CFR 63.7540(a)(11), District Rule 1157]

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

- a. Date and time of each startup and shutdown
- b. Rolling consecutive twelve month period operation in terms of total hours;
- c. Rolling consecutive twelve month period operation in terms of fuel burned;
- d. Maintenance and repair actions conducted on the boiler, burner, and burner control systems;
- e. Descriptions and corrective actions taken during all malfunctions; and
- f. Results of all boiler tune-ups and tests.

[40 CFR 63.10(b), 40 CFR 63.7545, District Rule 204]

5. This boiler must have a one-time energy assessment performed by a qualified energy assessor completed on or after 01/01/2008 that meets the energy assessment requirements of 40 CFR 63.7500 and Table 3. This energy assessment shall be completed no later than 01/31/2016 and results of this energy assessment must be kept on file and made available to District and Federal personnel upon request.  
[40 CFR 63.7500 and Table 3, District Rule 204]

6. This boiler shall not be operated for more than 18 hours per day nor more than 6 days in any consecutive 7 day period.

[District Rules 204, 1302, and 1305]

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

[District Rule 1157]

#### F. DUST COLLECTORS, SERVING ABRASIVE BLASTING BOOTHS

District Permit Numbers: C003245, C003247, C003961, C008808, C009132, C009133,  
C010219, and C010410

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

[District Rule 204]

2. This dust collector shall be fully functional and operating whenever the associated abrasive blasting booth listed in the above description is being used.

[District Rule 204]

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

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

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

c. Date of cartridge replacement; and

d. Descriptions of all malfunctions and corrective actions taken.

[40 CFR 70.6(a)(3)(ii)(b), District Rule 204]

4. This dust collector shall be equipped with sensors that monitor the integrity of the filter cartridges and automatically shuts down the system if the sensors indicate that cartridge performance is compromised.

[District Rule 204]

5. [For C003245 and C003247] This dust collector shall discharge no more than 5.0 pounds of PM10 per hour at a maximum concentration of 0.006 grains/dscf. Although this equipment does not currently require any periodic source testing, the District may require such testing in the future.  
[District Rule 204]

**or**

5. [For C009132 and C009133] This dust collector shall discharge no more than 0.0028 pounds of PM10 per hour with a nominal control efficiency of 99.999% as verified by lab testing of filter cartridges. Although this equipment does not currently require any periodic source testing, the District may require such testing in the future.  
[District Rule 204]

**or**

5. [For C010219 only] An annual compliance/certification test of this unit for particulate and PM-10 is not required. However, the Owner/Operator shall conduct such testing upon District request and shall be in accordance with the District Compliance Test Procedural Manual.  
[District Rule 204]

6. [For C010219 only] This equipment shall not operate more than 3000 hours/year; 10 hrs/day, 6 days/week, 50 weeks per year.  
[District Rules 1303 and 1305]

7. [For C010219 only] PM-10 emissions from this device and device permitted as A004412 were offset with Emission Reduction Credits (ERC's) using credits owned by this facility as documented by certificate numbers 14 and 69. Remaining combined PM-10 certificates balance is 4190 lbs/yr at time of transfer. To ensure compliance with NSR requirements of regulation XIII, the o/o demonstrated, using source test data, that the combined emissions from this device and those from A004412 are less than 1378.70 lbs of PM-10 per year. PM-10 source testing was accomplished using EPA Method 5, and moisture quantified using EPA Method 4, during PM sampling.  
[District Rules 204, 1303, and 1305]

#### G. HIGH EFFICIENCY PARTICULATE AIR (HEPA) VACUUM

District Permit Number: C005010

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.  
[40 CFR 63.6640(a), District Rule 204]

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

[District Rule 204]

3. This unit may be used on any asbestos abatement project in the District with proper 10 day notification consistent with 40 CFR 61.145. This requirement shall be met by submitting written communication a minimum of 10 District working days prior to actual placement of the unit at each new site.

[40 CFR 61.145, District Rule 204]

4. During full containment projects, view ports shall be provided for inspection purposes. The view port dimensions shall be at least 18 inches by 18 inches square and the bottom of the port shall be no less than 3 feet from the floor. Furthermore, these viewing ports shall be sufficient in number to allow observation of all stripping and removal of regulated asbestos containing material.

[District Rule 204]

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

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

[40 CFR 70.6(a)(3)(ii)(b), District Rule 204]

#### H. THERMAL OXIDIZERS

District Permit Numbers: C008397, C009623, C009968, C010858, C010859, and C011458

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

[40 CFR 63.6640(a), District Rule 204]

2. This thermal oxidizer shall be fully functional and operating whenever the associated spray booths listed in the above description is being used.

[District Rule 204]

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

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

[40 CFR 70.6(a)(3)(ii)(b), District Rule 204]

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

[District Rules 204, 1115, 1116, and 1303]

5. This equipment shall operate with a control efficiency of 95 percent (capture times destruction), comparing total VOC released 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).

[District Rule 204]

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 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 this permit.

[District Rule 204]

7. This thermal oxidizer shall only use PUC-regulated pipeline quality natural gas for fuel.

[District Rule 1303]

8. [For C011458 only] Emissions from this unit shall not exceed the following limits, verified by an initial source test for NO<sub>x</sub> and CO and the sole use of PUC-regulated pipeline quality natural gas and good combustion practices for PM<sub>10</sub>:

- a. NO<sub>x</sub> as NO<sub>2</sub>: 0.43 lb/hour in normal operating mode

b. CO: 0.24 lb/hour in normal operating mode

c. PM<sub>10</sub>: 79 lbs/year

[District Rule 1303]

Note: Initial source testing was completed on March 28, 2013. NO<sub>x</sub> emissions were 0.25 lb/hour, CO emissions were 0.17 lb/hour and the average control efficiency was 98.6%

9. [For C011458 only] Fuel consumption by this equipment shall not exceed 10,640,598 standard cubic feet in any consecutive 12 month period (Rolling Annual Period) (based on annual operation of 3744 hours). Records of monthly and rolling consecutive twelve month period fuel usage must be maintained onsite and made available upon request.

[District Rule 1303]

10. [For C011458 only] When in operation, the nominal reaction chamber temperature shall be maintained at 1375 degrees Fahrenheit (plus or minus 75 degrees Fahrenheit).

[District Rule 1303]

11. For C011458 only] The o/o surrendered 2075 pounds total of NO<sub>x</sub> and 79 pounds total of PM<sub>10</sub> Emission Reduction Credits to the District prior to the start of construction of this equipment.

[District Rule 1303]

## I. ULTRASONIC VAPOR DEGREASER

District Permit Number: D012389

1. This tank shall be equipped with the following:

- a. A cover that is a sliding, rolling, or guillotine (bi-parting) type which is designed to easily open and close without disturbing the vapor zone;
- b. A vapor level control thermostat, a condenser flow switch and a spray safety switch; and
- c. A primary condenser

[District Rule 1104]

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

[District Rule 1104]

3. Solvent carry-out shall be minimized by the following methods:

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

[District Rule 1104]

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

[District Rule 1104]

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

[District Rule 1104]

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

[District Rule 1104]

7. Owner/operator must post in a conspicuous location a label summarizing the applicable operating requirements contained in District Rule 1104(C)(2)(b). In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.

[District Rule 1104]

8. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.

- a. Material safety data sheet(s) for the solvent stored in the tank;
- b. VOC content of the solvent as used;
- c. Dates and amount of solvent added;
- d. Dates and descriptions of all repairs made to the system; and
- e. Disposal records for all waste solvent.

[District Rule 1303(A)]

9. No more than 50 gallons of solvent may be used in any consecutive twelve month period.

[District Rules 204 and 1303]

10. This tank can only be heated electrically.

[District Rule 204]

#### I. DIESEL INTERNAL COMBUSTION ENGINES, IN-USE EMERGENCY GENERATORS AND AIR COMPRESSORS UNDER 500 BHP

District Permit Numbers: E005016, E005017, and E009529

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.  
[40 CFR 63.6640(a) and Table 2c; District Rule 204]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.  
[40 CFR 63.6625(f); Title 17 CCR 93115.10(d)]

3. This engine shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:

- a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
- b. A cetane index or aromatic content, as follows:
  1. A minimum cetane index of 40; or,
  2. A maximum aromatic content of 35 volume percent.

[17 CCR 93115.5(a) and 40 CFR 80.510(b)]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per rolling consecutive twelve month period for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour rolling annual limit.

STATE AND DISTRICT ENFORCEABLE ONLY

[17 CCR 93115.6(b)]

5. This unit shall be limited to emergency use only, as defined in 40 CFR 63.6640(f). In addition, this unit shall be operated no more than 100 hours per rolling consecutive twelve month period for testing and maintenance, including compliance source testing.

[40 CFR 63.6640(f), District Rule 204]

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

- a. Date of each use and duration of each use (in hours per hour meter);
- b. Reason for use (testing & maintenance, emergency, required emission testing);
- c. Rolling consecutive twelve month period operation in terms of fuel consumption (in gallons or total hours);

- d. Records of all required maintenance and inspection actions listed in condition #9 and,
- e. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

[40 CFR 70.6(a)(3)(ii)(b), 40 CFR 63.6655, 17 CCR 93115.10(f), District Rule 204]

7. The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

[40 CFR 63.6625(h)]

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

[40 CFR 63.6640(f), 17 CCR 93115.6(c)(2); Rule 204]

9. The owner/operator shall conduct inspections in accordance with the following schedule. All inspections must occur at least annually regardless of operating hours.

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(i);
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR 63.6630(a), Table 2c, 40 CFR 63.6640(b), and 40 CFR 63.6650(d)]

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

[17 CCR 93115.6(b), District Rule 204]

11. This engine is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines Title 17 CCR 93115 and 40 CFR 63 Subpart ZZZZ (RICE NESHAPs).

[District Rule 204]

## J. DIESEL INTERNAL COMBUSTION ENGINES, IN-USE EMERGENCY GENERATORS OVER 500 BHP

District Permit Number: E004501

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

[Title 17 CCR 93115; District Rule 204]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.

STATE AND DISTRICT ENFORCEABLE ONLY

[Title 17 CCR 93115.10(d)]

3. This engine shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:

- a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
- b. A cetane index or aromatic content, as follows:
  1. A minimum cetane index of 40; or,
  2. A maximum aromatic content of 35 volume percent.

[17 CCR 93115.5(a) and 40 CFR 80.510(b)]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per rolling consecutive twelve month period for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour rolling annual limit.

STATE AND DISTRICT ENFORCEABLE ONLY

[17 CCR 93115.6(b)]

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

- a. Date of each use and duration of each use (in hours per hour meter);
- b. Reason for use (testing & maintenance, emergency, required emission testing);
- c. Rolling consecutive twelve month period operation in terms of fuel consumption (in gallons or total hours);
- d. Records of all required maintenance and inspection actions listed in condition #9 and,
- e. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

[40 CFR 70.6(a)(3)(ii)(b), 17 CCR 93115.10(f), District Rule 204]

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

[40 CFR 63.6640(f), 17 CCR 93115.6(c)(2); Rule 204]

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

[17 CCR 93115.6(b), District Rule 204]

8. This engine is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines, Title 17 CCR 93115.

[Title 17 CCR 93115; District Rule 204]

K. LIQUIFIED PETROLEUM GAS/PROPANE AND NATURAL GAS INTERNAL  
COMBUSTION ENGINES, IN-USE EMERGENCY GENERATORS  
UNDER 500 BHP

District Permit Numbers: E005337, E005338, E008109, E008110, and E008334

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

[40 CFR 63.6625(e) and Table 6; Rule 204]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.

[40 CFR 63.6625(f)]

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

[40 CFR 63.6640(f)]

4. The owner/operator shall maintain an operations log for this engine which shall include, at a minimum, the information specified below:

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

The logs shall be maintained current, on-site for a minimum of five (5) years, and made available to District personnel upon request.

[40 CFR 70.6(a)(3)(ii)(b), 40 CFR 63.6655, District Rule 204]

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

[40 CFR 63.6625(h)]

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

[District Rule 204]

7. The owner/operator shall conduct maintenance actions and inspections in accordance with the following schedule. All inspections must occur at least annually regardless of operating hours.

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(j);
- b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

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

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

[District Rule 204]

#### L. NATURAL GAS INTERNAL COMBUSTION ENGINES, NEW EMERGENCY GENERATOR UNDER 500 BHP

District Permit Numbers: E012124 and E012452

1. This stationary, spark-ignited, internal combustion engine, air-fuel ratio controller, and control device (three-way catalyst) shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.

[40 CFR 60, Subpart JJJJ - New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines; 60.4233(e), 60.4234, 60.4243(a),(d), and (g)]

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

[District Rule 204]

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

[District Rules 431 and 1303]

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

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

[40 CFR 60.4245, 40 CFR 1048, District Rules 204 and 1302]

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

[District Rule 1302]

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

[40 CFR 60.4243(d), 60.4248]

7. This engine shall be source tested in accordance with the procedures outlined in 40 CFR 60.4244 within 90 days after the three-way catalyst is replaced. The source testing shall verify that the following emission limits are not exceeded:

NO<sub>x</sub>: 0.15 g/bhp-hr

VOC: 0.20 g/bhp-hr

CO: 1.60 g/bhp-hr

PM<sub>10</sub>: 0.10 g/bhp-hr

[40 CFR 60.4244, District Rule 1302]

8. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 100 hour per year limit.

[40 CFR 60, Subpart JJJJ, District Rule 1302]

9. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ).

[40 CFR 60, Subpart JJJJ, District Rule 1302]

#### M. DIESEL IC ENGINE, NEW EMERGENCY GENERATOR OVER 500 BHP

District Permit Number: E012340

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

[40 CFR 60.4211; District Rule 204]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.

[40 CFR 60.4209; Title 17 CCR 93115.10(d)]

3. This engine shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:

a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,

b. A cetane index or aromatic content, as follows:

1. A minimum cetane index of 40; or,

2. A maximum aromatic content of 35 volume percent.

[17 CCR 93115.5(a) and 40 CFR 80.510(b)]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per rolling consecutive twelve month period for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour rolling annual limit.

STATE AND DISTRICT ENFORCEABLE ONLY

[17 CCR 93115.6(b), District Rule 204]

5. This unit shall be limited to emergency use only, as defined in 40 CFR 60.4219. In addition, this unit shall be operated no more than 100 hours per rolling consecutive twelve month period for testing and maintenance, including compliance source testing.

[40 CFR 60.4211(f), District Rule 204]

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

- a. Date of each use and duration of each use (in hours per hour meter);
- b. Reason for use (testing & maintenance, emergency, required emission testing);
- c. Rolling consecutive twelve month period operation in terms of fuel consumption (in gallons or total hours);
- d. Records of all maintenance and inspections; and,
- e. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

[40 CFR 70.6(a)(3)(ii)(b), 40 CFR 60.4214, 17 CCR 93115.10(f), District Rule 204]

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

[40 CFR 60.4211 and 60.4219, 17 CCR 93115.6(a); Rule 204]

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

[17 CCR 93115.6(a), District Rule 204]

9. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines, and 40 CFR 60 Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. [District Rule 204]

N. GASOLINE DISPENSING FACILITY, E85  
District Permit Number: G010744

1. The toll-free telephone number that must be posted is 1-800-635-4617. [District Rule 461]

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

- a. Date and results of each inspection;
- b. Records of all maintenance and repairs;
- c. Rolling consecutive twelve month period throughput, in gallons;
- d. Results of all tests conducted, including failed tests;
- e. ORVR status of all fleet vehicles using this facility; and
- f. Monthly calculations of the percentage of ORVR equipped vehicles being refueled.

[40 CFR 70.6(a)(3)(ii)(b), District Rules 204 and 461]

3. Any modifications or changes to the piping or control fittings of the vapor recovery system require prior approval from the District.  
[STATE AND DISTRICT ENFORCEABLE ONLY]  
[District Rule 461]

4. The vapor vent pipe is to be equipped with either a Husky 5885 or a Franklin Fueling Systems PV-Zero pressure/vacuum relief vent valve (P/V Valve) as listed in CARB Executive Order VR-301-F.  
[STATE AND DISTRICT ENFORCEABLE ONLY]  
[CARB Executive Order VR-301-F, District Rule 461]

5. The owner/operator shall conduct and pass the following tests at least once in every rolling consecutive twelve month period:

- a. Liquid Removal Rate in accordance with CARB Test Method TP-201.6, if applicable;
- b. Static Pressure Decay test in accordance with CARB Test Method TP-201.3B (2-inch test); and
- c. Emergency vents and manways shall be leak free when tested at the operating pressure of the tank in accordance with CARB Test Method 21. A leak is defined as a meter concentration of 10,000 ppmv or higher, measured as methane.

The District shall be notified a minimum of ten days prior to performing the above required tests and shall receive all test reports no later than six (6) weeks prior to the expiration date of this permit.

[STATE AND DISTRICT ENFORCEABLE ONLY]

[CARB Executive Order VR-301-F IOM, District Rules 204 and 461]

6. The rolling consecutive twelve month period throughput shall not exceed 600,000 gallons. Before this throughput limit can be increased, the facility may be required to submit a site specific Health Risk Assessment in accordance with a District approved plan. In addition, public noticing and a comment period may be required.

[STATE AND DISTRICT ENFORCEABLE ONLY]

[District Rules 204, 1302, and 1320]

7. The owner/operator shall operate and maintain the Phase I system of this GDF in accordance with CARB Executive Orders G-70-167 and is a CARB Research and Development test site for E85 fuel. Once this system is approved for E85 refueling, the hanging hardware shall be replaced with EVR Phase II Balance hanging hardware during routine maintenance changeouts.

[STATE AND DISTRICT ENFORCEABLE ONLY]

[CARB Executive Order G-70-167, District Rule 461]

8. This gasoline dispensing facility is exempt from EVR Phase II requirements as it must refuel a minimum 95% Onboard Refueling Vapor Recovery (ORVR) – equipped vehicles.

[District Rules 204 and 461]

#### O. SPRAY PAINT BOOTHS

District Permit Number: S002872, S002873, S002876, S004558, S008392, S008393, S008394, S008395, S008396, S009622, and S009969

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

[District Rule 204]

2. All coatings, diluents, thinners and solvents used within this paint booth shall comply with District Rules 442, 1113, 1114, and 1115 in their entirety. These rules pertain to Photochemically Reactive Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations.

[District Rules 442, 1113, 1114, 1115, and 1116]

3. The owner/operator shall maintain an operations log for this paint booth 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. Equipment used to apply each coating and the type of substrate being coated;
- b. Type of coating used and its VOC limit under each applicable rule;
- c. Quantity of coating used and its VOC content (in pounds per gallon or grams per liter);
- d. Total VOC emissions for each day's operations;
- e. Total VOC emissions for each rolling consecutive twelve month period; and
- f. Differential pressure readings across the exhaust filters.

[40 CFR 70.6(a)(3)(ii)(b), District Rule 204]

4. The owner/operator shall not use an application method other than HVLP spray guns, hand-held Aerosol Coating Products or Hand Application methods unless prior written approval is obtained from the District.

[District Rules 442, 1113, 1114, 1115, and 1116]

5. Coating operations or solvent use shall not occur within this booth without the booth being properly vented to the air pollution control device listed in the above description.

[District Rules 204 and 1302]

6. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.25 and 2.5 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.

Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.

[District Rules 204 and 1320]

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

[17 CCR 93112, District Rule 1116]

8. [For S002876 only] The total amount of VOCs released into the atmosphere from this booth is limited to 39.6 pounds per calendar day.

[District Rule 204]

**or**

8. [For S008392, S008393, S008394, S008395, S008396, and S009622] This equipment, combined with emissions from C008397 and C009623 (the entire Paint and Undercoat Facility) shall not emit more than 3098 pounds of VOCs into the atmosphere in any one consecutive twelve (12) month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.

[District Rule 204]

P. DIP TANKS, CLEAN LINES #1 AND #2 (BLDG 640)

District Permit Numbers: T011924, T011925, T011926, T011927, T011928, T011929, T011930, T011931, and T011932

1. The tank shall be equipped with a vapor collection hood located along the back of the tank.  
[District Rule 1302]

2. The vapor collection hood and fan shall be in operation at all times when there is a chemical agent in the tank.  
[District Rule 1302]

3. The tank must have a Freeboard Height of at least six (6) inches while the item(s) are submerged. The Freeboard Height is the vertical distance from the top of the liquid to the top of the tank.  
[District Rule 1104(C)(1)(c)]

4. Solvent carry-out shall be minimized by the following methods:  
a. The hoist speed must be slow enough to prevent solvent vapors from being pushed and/or pulled out of the tank. The speed of the existing hoist must not exceed 11.2 feet per minute;  
b. Rack workload arranged to promote complete drainage; and  
c. Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.  
[District Rule 1104(C)(2)(vi)]

5. This batch-loaded tank can only use chemicals/solvents identified in the above description and in a non-agitated manner.  
[District Rule 1104]

6. This dip tank must be covered at all times when containing a chemical agent except when parts are being loaded, unloaded, or while suspended and draining into the dip tank.

[District Rule 1104(C)]

7. Owner/operator must post in a conspicuous location a label summarizing the applicable operating requirements contained in District Rule 1104(C)(2)(b). In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.

[District Rule 1104(C)(1)(a)]

8. Cleaning solvents (excludes paint strip solvent) shall have a VOC content of 25 g/l or less, as used, calculated in accordance with District Rule 1104. VOC content must be determined in accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.

[District Rule 1303(A)]

9. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.

- a. material safety data sheet(s) for chemical(s) stored in the tank;
- b. the mix ratio of solvent compounds used;
- c. VOC content of solvent or mixture of compounds as used, and date and amount of solvent added (summarized monthly);
- d. daily self-inspection checklist; and
- e. fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method.

[District Rule 1303(A)]

10. The tank heater can only be fired on PUC-Regulated pipeline quality natural gas.

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

11. District Permit units T011924 through T011932 (BLDG 640 Dip Tank Line) shall not exceed the following emission limits, verified by equipment operation in accordance with manufacturer's data and specifications and observing proper operating practices and procedures as specified herein:

Pollutant	Combustion Emissions, in ppmvd and/or lb/yr	Evaporative Emissions (lb/yr)
NO <sub>x</sub>	30 ppmvd @ 3% O <sub>2</sub> and 1456.4 lbs	0
CO	100 ppmvd @ 3% O <sub>2</sub> and 2955.1 lbs	0

SO <sub>x</sub>	22.5 lbs	0
PM <sub>10</sub>	285.3 lbs	0
VOC	206.5 lbs	331.0 lbs

Note: Combustion Emissions are from heated tanks 1 and 2 only, as described in District permits T011924 and T011925

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

12. The owner/operator surrendered the following valid Emission Reduction Credits (ERCs) prior to the construction of the Dip Tanks described in District Permits T011924 through T011932:

NO<sub>x</sub> (offset ratio of 1.3:1): 1893

VOC (offset ratio of 1.3:1): 597

PM<sub>10</sub> (offset ratio of 1.0:1): 285

Furthermore, this project used 78 lbs of VOC simultaneous emissions reductions associated with District Permit T003095 process rate reductions. District Permit T003095 was canceled effective 10/07/2015.

[District Rule 1303(B)]

13. [For T011930 only] Owner/operator must implement the applicable management practices of 40 CFR Part 63 subpart WWWW (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]

14. [For T011930 only] Owner/operator must submit a deviations report in any year in which there is a deviation from the compliance requirements of 40 CFR Part 63 subpart WWWW. 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]

15. [For T011930 only] 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)]

Q. DIP TANKS, SMALL ARMS AREA (BLDG 573)

District Permit Numbers: T012039, T012040, T012041, T012042, T012043, 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 hoist must not exceed 11.2 feet per minute;
  - b. Rack workload arranged to promote complete drainage; and
  - c. Tip out any pools of solution remaining on the cleaned parts before removing them from the cleaning tank if the cleaning tank are operated manually.  
[District Rule 1104(C)(2)(vi); District Rule 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.  
[District Rule 1104]

6. [For T012039 and T012044] An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.

- a. material safety data sheet(s) for chemical(s) stored in the tank;
- b. date and amount of chemical(s) being added to the tank (summarized monthly);
- c. daily tank heater usage, in hours, summarized monthly, as required by condition #10; and
- d. daily self-inspection checklist.

[District Rule 1303(A)- BACT; District Rule 1203(D)(1)(d)(ii)]

**or**

6. [For T012040 and T012041] An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.

- a. material safety data sheet(s) for chemical(s) stored in the tank;
- b. VOC content of the chemical(s) being added to the tank;
- c. date and amount of chemical(s) being added to the tank (summarized monthly); and
- d. daily self-inspection checklist.

**or**

6. [For T012042 and T012043] An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.

- a. material safety data sheet(s) for chemical(s) stored in the tank;
- b. date and amount of chemical(s) being added to the tank (summarized monthly); and
- c. daily self-inspection checklist.

[District Rule 1303(A)- BACT; District Rule 1203(D)(1)(d)(ii)]

7. [For T012039, T012040, T012041, T012042, and T012044] Tank heater can only be fired on natural gas. Owner/Operator must provide fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method to District, state or Federal personnel on request.

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

**or**

7. [For T012043 only] This tank must be operated at ambient temperature.

[District Rule 1303(B)]

8. District Permit units T012039 through T012044 (BLDG 573, Small Arms Area) shall not exceed the following annual emission limits rolled on a monthly basis; combustion emission limits verified by good combustion practices, equipment operation in accordance with manufacturers data and specifications, and use of only natural gas fuel. Evaporative emission limits shall be verified through VOC recordkeeping.

Pollutant	Combustion Emissions, in ppmvd and/or lb/yr	Evaporative Emissions (lb/yr)
NO <sub>x</sub>	30 ppmvd @ 3% O <sub>2</sub> and 182.5 lbs	0
CO	100 ppmvd @ 3% O <sub>2</sub> and 370.3 lbs	0
SO <sub>x</sub>	2.8 lbs	0
PM <sub>10</sub>	35.8 lbs	0
VOC	25.9 lbs	200.8 lbs

Note: Combustion Emissions are from heated tanks 1 and 2 only, as described in District permits T012039 and T012044.

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

9. Owner/operator surrendered valid emission reduction credits prior to the construction of equipment units with District permit numbers T012039 through T012044 (BLDG 573 Small Arms Area), providing the following amounts (in lbs per year):

NO<sub>x</sub> (offset ratio 1.3:1): 109

PM<sub>10</sub> (offset ratio 1.0:1): 36

Note: District Permit T012041 replaces District Permit T003095 and Permit T003095 was properly canceled.

[District Rule 1303(B)]

10. [For T012039 and T012044 only] Tank burners #1 and #2 (T012039 and T012044) shall not exceed a combined total of 2470 operating hours in any 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 commences firing and lasting until each burner ceases firing.

[District Rule 1302]

**or**

10. [For T012042 only] Owner/operator must implement the applicable management practices of 40 CFR Part 63 subpart WWWW (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]

11. [For T012042 only] Owner/operator must submit a deviations report in any year in which there is a deviation from the compliance requirements of 40 CFR Part 63 subpart WWWW. O/o must report the deviation(s), and the corrective action taken along with the annual compliance report to the District, postmarked or delivered no later than January 31 of the year immediately following the reporting period.  
[40 CFR 63.11509]

12. [For T012042 only] 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)]

## R. INDUSTRIAL WASTEWATER TANKS

District Permit Numbers: T003926 and T005251

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

[District Rule 204]

2. The owner shall maintain records sufficient to verify proper disposal of the oil collected in all oily waste storage tanks in the Industrial Wastewater Treatment Plant as described in District permits B008746, T003926, T003928, and T005251 to certified off-base handling facilities, including dates of disposal and quantity disposed. These records shall be kept current and on-site (or at a central location) for a minimum of five (5) years, and shall be provided to District, State and Federal personnel upon request.

[40 CFR 70.6(a)(3)(ii)(b), District Rule 204]

## **PART IV**

### **STANDARD FEDERAL OPERATING PERMIT CONDITIONS**

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.  
[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 to determine whether cause exists for modifying, revoking and reissuing, terminating, or determining compliance with the Federal Operating Permit.  
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]
8. Owner/Operator shall furnish to qualified District, CARB or EPA personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.  
[40 CFR 70.6(a)(6)(v); 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. This facility is not subject to 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**  
**OFF PERMIT CHANGES**

1. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if the 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 the proposed change is not:

a. Subject to any requirements under Title IV of the Federal Clean Air Act [See 1203(E)(1)(c)];

or

b. A modification under Title I of the Federal Clean Air Act;

or

c. A modification subject to Regulation XIII [See 1203(E)(1)(c)];

and

d. The change does not violate any Federal, State or Local requirement, including an applicable requirement [See 1203(E)(1)(c)];

and

e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). [See 1203(E)(1)(c)]

2. Procedure for “Off Permit” Changes: If a proposed “Off Permit Change” qualifies under Part V, Section (A)(I)(A)(1) above, permittee shall implement the change as follows:

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

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

1. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition [See 1203(E)(1)(c)];

and

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

and

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

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

d. 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)]

- e. 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)]
- f. 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)]

3. Other Requirements:

- a. The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
- b. The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. [See 40 CFR 70.4(b)(i)(B)]

[District Rules 204 and 1203]

## **PART VI**

### **CONVENTIONS, ABBREVIATIONS, DEFINITIONS**

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

- 40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS)
- 40 CFR Part 60, Appendix F, Quality Assurance Procedures
- 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- 40 CFR Part 61, Subpart M, National Emission Standards for Asbestos
- 40 CFR Part 63, National Emission Standards For Hazardous Air Pollutants For Affected Source Categories
- 40 CFR Part 70, State Operating Permit Programs
- 40 CFR Part 72, Permits Regulation (Acid Rain Program)
- 40 CFR Part 73, Sulfur Dioxide Allowance System
- 40 CFR Part 75, Continuous Emission Monitoring
- 40 CFR Part 75, Subpart D, Missing Data Substitution Procedures
- 40 CFR Part 75, Appendix B, Quality Assurance and Quality Control Procedures
- 40 CFR Part 75, Appendix C, Missing Data Estimating Procedures
- 40 CFR Part 75, Appendix D, Optional SO<sub>2</sub> Emissions Data Protocol
- 40 CFR Part 75, Appendix F, Conversion Procedures
- 40 CFR Part 75, Appendix G, Determination of CO<sub>2</sub> Emissions
- 40 CFR Part 80, Regulation of Fuels and Fuel Additives
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners
- 40 CFR Part 82, Subpart F, Recycling and Emissions Reduction

B. Definitions and District Permit Structure:

1. Unless otherwise noted, a “day” shall be considered a 24-hour period from midnight to midnight.
2. 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.
3. District permit numbers are comprised of a one-letter prefix followed by a unique six digit number. The letter prefixes indicate the type of equipment that is being permitted, as follows:

Letter Permit Type

- A Abrasive Blasting Equipment
- B Basic Equipment
- C Air Pollution Control Equipment
- E Emergency Internal Combustion Engine
- G Gasoline Dispensing Facility
- S Spray Booth
- T Tanks (or Silos)

C. Abbreviations used in this permit are as follows:

acfm	Actual Cubic Feet per Minute
ACFM	Actual Cubic Feet per Minute
ACM	Asbestos Containing Materials
APCO	Air Pollution Control Officer
ARB	Air Resources Board (California Air Resources Board)
ASTM	American Society for Testing and Materials
BACT	Best Available Control Technology
bhp	Brake Horse Power
Btu	British Thermal Units
Btu/hour	British Thermal Units per Hour
CAM	Compliance Assurance Monitoring
CARB	California Air Resources Board
CCR	California Code of Regulations
CEMS	Continuous Emissions Monitoring System
CFR	Code of Federal Regulations
CFM	Cubic Feet per Minute
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
deg C	Degrees Celsius
deg F	Degrees Fahrenheit
District	Mojave Desert Air Quality Management District (formed July 1993)
EPA	Environmental Protection Agency
EtOH	Ethyl Alcohol
EtOH/H <sub>2</sub> O	Ethyl alcohol mixed with water
Ex. Order	Executive Order
FOP	Federal Operating Permit
FR	Federal Register
ft	Feet
ft/min	Feet/Minute
gal/min	Gallons per Minute
gpm	Gallons per Minute
g/l	Grams per Liter
gr/L	Grains per Liter
HEPA	High Efficiency Particulate Air
HVLP	High Volume Low Pressure
hp	Horsepower
hr	Hour
ICE	Internal Combustion Engine
in	Inch

Km .....Kilometer  
Kw.....Kilowatt  
kW.....Kilowatt  
lb .....Pound  
lb/gal .....Pounds per gallon  
lb/sec .....Pounds per second  
MCLB .....Marine Corps Logistics Base, Barstow, CA  
MDAQMD....Mojave Desert Air Quality Management District (formed July 1993)  
MMBtu/hr .....Million British Thermal Units per Hour  
mm Hg .....Millimeters of Mercury (Pressure)  
mph .....Miles Per Hour  
NO<sub>x</sub>.....Oxides of Nitrogen  
NO<sub>2</sub> .....Nitrogen Dioxide  
O/o .....Owner/operator  
Pb .....Lead  
PUC.....Public Utility Commission  
PM<sub>10</sub>.....Particulate matter less than 10 microns aerodynamic diameter  
ppmv .....Parts Per Million by Volume  
ppmvd .....Parts Per Million by Volume, Dry  
psi.....Pounds per Square Inch  
psia.....Pounds per Square Inch Absolute  
psig.....Pounds per Square Inch Gage  
R&D.....Research and Development  
RDT&E.....Research, Development, Test, and Evaluation  
rpm.....Revolutions Per Minute  
SAE.....Society of Automotive Engineers  
SCC.....Source Classification Code  
scfm.....Standard Cubic Feet per Minute  
SCFM.....Standard Cubic Feet per Minute  
SIC .....Standard Industrial Classification  
SIP.....State (of California) Implementation Plan  
SO<sub>2</sub> .....Sulfur Dioxide  
USEPA.....United States Environmental Protection Agency  
USMC .....United States Marine Corps  
USN .....United States Navy  
UTM .....Universal Transverse Mercator  
VOC.....Volatile Organic Compound(s)  
µm.....Micrometer (0.000001 meter)  
°C .....Degrees Celsius  
°F .....Degrees Fahrenheit

D. SIP Rule Citations for Mojave Desert Air Quality Management District Rules

<b>District Rule Number</b>	<b>District Rule Title</b>	<b>SIP Rule Version</b>	<b>SIP Citation</b>	<b>Federally Enforceable</b>	<b>Notes</b>
203	<i>Permit to Operate</i>	1/7/77	Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)	Y	
204	<i>Permit Conditions</i>	1/9/76	Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)	Y	
206	<i>Posting of Permit to Operate</i>	1/9/76	Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)	Y	
207	<i>Altering or Falsifying of Permit</i>	1/9/76	Approved 11/09/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C)	Y	
209	<i>Transfer and Voiding of Permit</i>	1/9/76	Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)	Y	
217	<i>Provision for Sampling And Testing Facilities</i>	1/9/76	Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)	Y	

218	<i>Stack Monitoring</i>	7/25/79	Approved 9/28/81, 46 FR 47451,40 CFR 52.220(c)(65)(ii)	Y	
219	<i>Equipment Not Requiring a Written Permit</i>	6/6/77	Approved 11/9/78, 43 FR, 52237, 40 CFR 52.220(c)(31)(vi)(C) , 40 CFR 52.220(c)(32)(iv)(C) , and 40 CFR 52.220(c)(39)(ii)(B)	Y	
221	<i>Federal Operating Permit Requirement</i>	12/21/94	Approved 2/5/96, 61 FR 4217, 40 CFR 52.220(c)(216)(i)(A) (2)	Y	
301	<i>Permit Fees</i>	Not in SIP	Applicable Version = Most current amendment, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	Rule 301 is a fee rule and does not ordinarily require submission to USEPA. Various prior versions of Rule 301 were previously included in the State Implementation Plan (SIP) however USEPA removed this rule from the SIP on 01/18/02 (67 FR 2573; 40 CFR 52.220(c)(39)(iv)(C)). Therefore, this rule is not required to be a federal submittal.

312	<i>Fees for Federal Operating Permits</i>	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	
401	<i>Visible Emissions</i>	7/25/1977	Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(C)	Y	
403	<i>Fugitive Dust</i>	7/25/1977	Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(B)	Y	
403.2	<i>Fugitive Dust Control for the Mojave Desert Planning Area</i>	9/22/96	Approved 12/9/98, 63 FR 67784, 40 CFR 52.220(c)(194)(i)(H) (1)	Y	
404	<i>Particulate Matter Concentration</i>	7/25/77	Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)	Y	
405	<i>Solid Particulate Matter, Weight</i>	7/25/77	Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)	Y	

406	<i>Specific Contaminants</i>	7/25/1977 (subdivision (a))	Approved, 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)( A)	Y	
407	<i>Liquid and Gaseous Air Contaminants</i>	5/7/76	Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C)	Y	
408	<i>Circumvention</i>	5/7/76	Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)	Y	
409	<i>Combustion Contaminants</i>	5/7/76	Approved 9/8/78; 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)	Y	
430	<i>Breakdown Provisions</i>	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	

431	<i>Sulfur Content of Fuels</i>	10/8/1976	Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(B) and 40 CFR 52.220(c)(39)(ii)(B)	Y	
442	<i>Usage of Solvents</i>	2/27/06	Approved 09/17/2007, 72 FR 52791, 40 CFR 52.220(c)(347)(i)(C) (1)	Y	
900	<i>Standards of Performance for New Stationary Sources</i>	2/28/11	Delegated by USEPA	Y	Adopts NSPSs by reference. See NSPS Delegation Listing.
1000	<i>National Emissions Standards from Hazardous Air Pollutants</i>	2/28/11	Delegated by USEPA	Y	Adopts NESHAPs by reference. See NESHAP Delegation Listing.
1104	<i>Organic Solvent Degreasing Operations</i>	9/28/94	Approved: 4/30/96, 61 FR 18962, 40 CFR 52.220(c)(207)(I)(D) (2)	Y	
1113	<i>Architectural Coatings</i>	4/23/12	Approved: 1/03/14, 79 FR 364, 40 CFR 52.220(c)(428)(i)(C)	Y	
1115	<i>Metal Parts and Products Coating Operations</i>	4/22/96	Approved 12/23/97, 62 FR 67002, 40 CFR 52.220(c)(239)(i)(A) (2)	Y	

1161	<i>Cement Kilns</i>	3/25/02	Approved 1/2/02, 67 FR 19, 40 CFR 52.220(c)(287)(i)(A) (1)	Y	
1302	<i>NSR - Procedure</i>	3/25/96	Approved 11/13/1996, 61 FR 58133, 40 CFR 52.220(c)(239)(i)(A) (1)	Y	
Regulation XII	<i>Federal Operating Permits</i>	<i>1201- 1210: 9/26/05 1200 &amp; 1211: 2/28/11</i>	SIP: Not SIP. Final Title V Program Approval 11/21/03 68 FR 65637; Partial Withdrawal of approval 10/15/02 67 FR 63551; Notice of Deficiency 05/22/02 67 FR 35990; Approval 12/17/01 66 FR 63503; Interim Approval 02/05/96 61 FR 4217		