MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit Number: 13300611

For: National Aeronautics & Space Administration

Facility: NASA GOLDSTONE DEEP SPACE COMMUNICATIONS COMPLEX

Issued Pursuant to MDAQMD Regulation XII
Effective Date: May 08, 2011

●SEE TITLE V PAGE 2 FOR PERMIT REVISION SUMMARY●

This Federal Operating Permit Expires
May 08, 2016

Issued By: Eldon Heaston
Executive Director
Air Pollution Control Officer

14306 PARK AVENUE, VICTORVILLE, CALIFORNIA 92392
PHONE (760) 245-1661
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PERMIT REVISIONS

April 15, 2013
Minor Modification by Sheri Haggard:
● PART I(B), DESCRIPTION OF FACILITY: Updated to correctly identify the re-designation of the portable propane generator from emergency to prime (E011623 to B011623).
● PART I(C), DESCRIPTION OF EQUIPMENT: Updated to correctly identify B011623 as a portable, prime unit.
● PART III: Removed B011623 (previously E011623) from section (F) and put this unit under section (E). Re-lettered sections (E), (F), (G) and (H), as the removal of E011623 removed the old section of (F), so now there is only up to (G) in this section.

December 12, 2012
Significant Modification by Sheri Haggard:
● PART I(A), FACILITY INDENTIFYING INFORMATION: Updated Mailing Address by adding "Exelis" after "ITT", and updated the Facility "Site" Contacts to Mr. Mark Solheid.
● PART I(B), DESCRIPTION OF FACILITY: Updated to correctly identify the Site-Wide Uninterruptable Power Supply (SWUPS) which subsequently resulted in the re-designation of the diesel generators from prime to emergency use. All inactive/cancelled equipment was also removed from the summary of equipment table.
● PART I(C), DESCRIPTION OF EQUIPMENT: Updated to correctly identify the re-designation of the diesel generators from prime to emergency. All inactive/cancelled equipment was also removed.
● PART II(A), REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:
○ Updated section PART II(A)(28) to reflect the most current requirements for *Architectural Coatings.*
○ Updated section PART II(A)(31) to reflect the most current requirements for *Automotive Refinishing Operations.*
○ Added section PART II(A)(33), *Greenhouse Gas Provisions of Federal Operating Permits*.
○ Added section PART II(A)(34), *National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating internal Combustion Engines* (40 CFR 63, subpart ZZZZ).
○ Added section PART II(A)(35), *National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities* (40 CFR 63, subpart CCCCCC).
● PART II(B), FACILITY-WIDE MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS:
○ Updated section PART II(B)(4)(d), *Compliance Certification Report*, to contain a hard submittal date of June 29th.
○ Updated section PART II(B)(5), *Monitoring Report*, to contain a hard submittal dates of May 30 to November 28 and from November 29 to May 29.
● PART II(C), FACILITY-WIDE COMPLIANCE CONDITIONS:
○ Added section PART II(C)(10), a requirement to comply with 40 CFR 82 – Protection of Stratospheric Ozone.
○ Added section PART II(C)(11), District is now establishing Federally Enforceable Emission Limits for NOx, as well as the other Nonattainment Air Pollutants/Precursors, VOC, and PM10 for the Goldstone facility in result to the NSR Analysis prompted by the proposed modification of switching the engine use of the Echo Site generators from "prime use" to "emergency use".
○ Added section PART II(C)(12), a requirement for the submittal of emissions inventory data to the District upon request for the purposes of NSR and EPA's Consolidated Emissions Reporting Rule.
● PART III(A), CONDITIONS APPLICABLE TO THE FOLLOWING STATIONARY, DIESEL IC

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ENGINES, EMERGENCY GENERATORS:

○ Updated the permit numbers from "B" type to "E" type which correlates with the use change of "prime use" to "emergency use". Updated the description of each of the Goldstone facility's stationary, diesel, emergency generator engines to reflect to most current description of each unit.

● PART III(B), CONDITIONS APPLICABLE TO THE FOLLOWING STATIONARY, DIESEL IC ENGINES, EMERGENCY FIRE PUMPS:

○ Updated the description of each of the Goldstone facility's stationary, diesel, emergency pump engines to reflect to most current description of each unit.

● PART III(C), CONDITIONS APPLICABLE TO THE FOLLOWING PORTABLE, DIESEL IC ENGINES, EMERGENCY GENERATORS:

○ Updated the description of each of the Goldstone facility's portable, diesel, emergency generator engines to reflect to most current description of each unit.

● PART III(D), CONDITIONS APPLICABLE TO THE FOLLOWING PORTABLE, DIESEL IC ENGINES, LOW-USE EQUIPMENT:

○ Updated the description of each of the Goldstone facility's portable, diesel, low-use equipment to reflect to most current description of each unit.

● PART III(E), CONDITIONS APPLICABLE TO THE FOLLOWING PORTABLE, PROPANE IC ENGINES, PRIME GENERATOR:

○ Added this portable, propane, prime generator to Goldstone's Federal Operating Permit. The proposed modification to incorporate this Permit Unit, (B010789), regards a past permitting action in which Goldstone was issued a District permit for a Propane, IC Engine, Portable, Generator, but failed to be incorporated into Goldstone's FOP.

● PART III(F), CONDITIONS APPLICABLE TO THE FOLLOWING PORTABLE, PROPANE IC ENGINES, EMERGENCY GENERATOR:

○ Added this portable, propane, emergency generator to Goldstone's Federal Operating Permit. Goldstone proposes a new Propane IC Engine, Emergency, Portable, Generator (E011623) as a modification to their Federal Operating Permit.

● PART III(G), CONDITIONS APPLICABLE TO THE FOLLOWING DIESEL FUEL STORAGE TANKS:

○ Updated the description of Goldstone's diesel fuel storage tanks to reflect to most current description.

● PART III(H), CONDITIONS APPLICABLE TO THE FOLLOWING GASOLINE DISPENSING FACILITY, NON RETAIL, (ECHO SITE):

○ Updated the description of Goldstone's gasoline dispensing facility to reflect to most current description.

<u>September 29, 2011</u>

Administrative Permit Renewal**:** Revised Rule 1113 references, Page II-20 through II-21; added Rule SIP History Reference, Page VI-64; Revised Rule 442 references; Page II-16 through II-17.

Changes made by: Samuel J Oktay, PE

<u>October 03, 2002; June 09, 2003</u>

Various Administrative changes were made October 3, 2002 and June 9, 2003 to correct the responsible official & other contact information as well as to make equipment description and serial number corrections after a May 20, 2003 site inspection at the Goldstone facility.

<u>July 21, 2004:</u>

Administrative changes made: corrected Responsible Official, Facility contacts, serial numbers, ratings as reflected in previously updated District Permits and as outlined in 02/26/2004 and 06/04/2004 letter requests from facility

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September 15, 2004:
Administrative changes made: added facility "off site" contact person requested in September 14, 2004 letter to the MDAQMD.

February 8, 2006
Administrative change made: added permit B009478 for a portable hydraulic drill driven by a 64 bhp diesel fueled ICE.

March 23, 2006
Administrative change adding B009337, B009338, B009339, B009340, E009239, E009240 and E009241, various portable diesel IC engines due to a Rule change. Public Notice Title V Permit and Reissue Title V Permit May 8, 2006 through May 8, 2011 for new 5-year period.

June 5, 2006
Update mailing address to:
ITT
P.O. Box11103
Goldstone, CA 92310

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PART I
INTRODUCTORY INFORMATION

A. *FACILITY IDENTIFYING INFORMATION:*

Owner/Company Name:	National Aeronautics & Space Administration (NASA)
Owner Mailing Address:	4800 Oak Grove Drive, Pasadena, CA 91109
Facility Name:	NASA GOLDSTONE DSCC
Facility Location:	Goldstone Lake, Fort Irwin, CA 92311
Mailing Address:	ITT/Exelis P.O. Box 11103 Goldstone, CA 92310
MDAQMD Federal Operating Permit Number:	13300611
MDAQMD Company Number:	0133
MDAQMD Facility Number:	00611
Responsible Official:	Steve Slaten, NASA Management Office sslaten@nmo.JPL.NASA.gov
Title:	Site Manager, GDSCC
Phone Number:	818-393-6683
Facility "Site" Contacts:	Mark Solheid mjsolheid@gdscc.nasa.gov
Title:	ES&H Analyst
Phone Number:	760-255-8225
Facility "Off Site" Contacts:	Christian Benitez cbenitez@mail.JPL.NASA.gov
Phone Number:	818-354-8653 Jet propulsion laboratory Environmental Affairs Program Office
SIC Code:	9661 (Radio frequency, deep space tracking)
Facility Location:	WGS84 UTM (M) 11517693 E/3906401 N

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B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 13300611) for NASA Goldstone (GOLDSTONE), which is located near Goldstone Lake, Fort Irwin, California. GOLDSTONE is a deep space communications facility. Because of the critical nature of the mission and the remoteness of the facility, uninterrupted electric power is critical. Therefore, GOLDSTONE has a Site-Wide Uninterruptable Power Supply (SWUPS) in which in the event of a commercial power outage that is less than ten seconds, the SWUPS (batteries) will support the station load. For outages greater than ten seconds, the SWUPS will supply a generator run signal to start the emergency generators. The SWUPS has the capability to support GOLDSTONE for up to one minute. The emergency generators take approximately thirty seconds to assume full station load.

To maintain this reliable electric power, GOLDSTONE is equipped with ten emergency generators. Six of which are diesel engines, 875 bhp, driving 600 kW electric generators; and, four of which are diesel engines, 1280 bhp, driving 850 kW electric generators.

A summary of all equipment is as follows:

Permit No.	Permit Status	Permit Type	Permit Description
B009337	PTO	Prime	DIESEL IC ENGINE, PORTABLE, LOW-USE, AIR COMPRESSOR
B009338	PTO	Prime	DIESEL IC ENGINE, PORTABLE, LOW-USE, AIR COMPRESSOR
B009339	PTO	Prime	DIESEL IC ENGINE, PORTABLE, LOW-USE, WELDER
B009340	PTO	Prime	DIESEL IC ENGINE, PORTABLE, LOW-USE, WELDER
B010789	ATC	Prime	PROPANE IC ENGINE, PORTABLE GENERATOR
B011623	ATC	Prime	PROPANE IC ENGINE, PORTABLE GENERATOR
E000272	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #2C) @ MARS SITE
E000273	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #1C) @ MARS SITE
E000274	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #2B) @ MARS SITE
E000275	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #3B) @ MARS SITE
E000276	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR

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			(UNIT #1B) @ MARS SITE
E000277	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #4B) @ MARS SITE
E000278	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #4A) @ MARS SITE
E000279	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #3A) @ MARS SITE
E000280	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #1A) @ MARS SITE
E000281	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #2A) @ MARS SITE
E003381	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY FIRE PUMP (APOLLO SITE)
E003382	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR @ ECHO SITE
E004635	PTO	Emergency	DIESEL IC ENGINE, PORTABLE, EMERGENCY GENERATOR (ECHO SITE)
E005133	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR @ APOLLO SITE
E007893	PTO	Emergency	DIESEL IC ENGINE, PORTABLE, EMERGENCY GENERATOR (ECHO SITE)
E009239	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY FIRE PUMP (VENUS SITE)
E009240	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY FIRE PUMP (ECHO SITE)
E009241	PTO	Emergency	DIESEL IC ENGINE, EMERGENCY FIRE PUMP (MARS SITE)
N001477	PTO	Gasoline Dispensing	GASOLINE DISPENSING FACILITY (NON-RETAIL) ECHO SITE
T003003	PTO	Tank	DIESEL FUEL STORAGE TANKS @ MARS SITE

C. ***DESCRIPTION OF EQUIPMENT:***

APOLLO SITE:

E005133: DIESEL IC ENGINE, EMERGENCY GENERATOR - Consisting of the following equipment: Cummins model LTA10G1, 345 bhp, Serial number 34886879).

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E003381: DIESEL IC ENGINE, EMERGENCY FIRE PUMP - Consisting of the following equipment: Detroit Diesel model VMFPT6HT L1211H, 140 bhp, Serial 91B-1059, drives a pump in Building A-12.

ECHO SITE:

E003382: DIESEL IC ENGINE, EMERGENCY GENERATOR - Consisting of the following equipment: Cummins model NT-855-64, 375 bhp, Serial number 11638482, drives 230 kW portable emergency generator set adjacent to Building G-24.

E004635: DIESEL IC ENGINE, PORTABLE, EMERGENCY GENERATOR - Consisting of the following equipment: Palmer model 1003P18, 135 bhp, Serial number 66D5416, drives 100 kW portable emergency generator set adjacent to Building G-24.

E007893: DIESEL IC ENGINE, PORTABLE, EMERGENCY GENERATOR - Consisting of the following equipment: 166 bhp Perkins Engines, Ltd., model 1006 6T (D100P2), Serial number 7AK03323, drives a Generac electrical generator rated at 87.9 kW portable emergency generator set adjacent to Building G-24.

E009240: DIESEL IC ENGINE, EMERGENCY FIRE PUMP - Consisting of the following equipment: Detroit Diesel, Diesel, Fire Pump, Model No. DDFP03ANHLH7086, 3 cylinders, Turbo Charged, 99bhp @1760rpm, Serial No. 3A10226A.

N001477: GASOLINE DISPENSING FACILITY (NON-RETAIL) - Consisting of the following equipment:

a. Tanks - Number of Tanks: 2

Tank Number:	1	2
1. Material Stored:	(87) U	Diesel
2. Volume Gallons:	10,000	10,000
3. Above/Underground	U	U

b. Dispensing Equipment:
   1. Gasoline Dispensing Nozzles (Number): 2
   2. Diesel Dispensing Nozzles (Number): 1
   3. Phase II Vapor Recovery System (Type): Healy

MARS SITE:

B000272: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #2C: Building G-81) - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial number 66B1447 drives 600 kW generator set in Building G-81.

B000273: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #1C: Building G-81) - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial number 66B1556, drives 600 kW generator set in Building G-81.

B000274: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #2B: Building G-81) - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial number 35B835, drives 850 kW generator set in Building G-81.

B000275: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #3B: Building G-81) - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial number 35B838, drives 850 kW generator set in Building G-81.

B000276: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #4B: Building G-81) - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial number 35B837, drives 850 kW generator set in Building G-81.

B000277: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #4B: Building G-81 - Consisting of the following equipment: Caterpillar model 399, 1280 bhp, Serial number 35B834, drives 850 kW generator set in Building G-81.

B000278: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #4A: Building G-81) - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial number 66B2912, drives 600 kW generator set in Building G-81.

B000279: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #3A: Building G-81) - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial number 66B733, drives 600 kW generator set in Building G-81.

B000280: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #1A: Building G-81) - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial number 66B2911, drives 600 kW generator set in Building G-81.

B000281: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #2A: Building G-81) - Consisting of the following equipment: Caterpillar model 398, 875 bhp, Serial number 66B2909, drives 600 kW generator set in Building G-81.

E009241: DIESEL IC ENGINE, EMERGENCY FIRE PUMP - Consisting of the

following equipment: Detroit Diesel, Diesel, Fire Pump, Model No. 10447110, 4 cylinders, Turbo Charged, 117bhp @1760rpm, Serial No. 4A0254393.

T003003: DIESEL TANKS; Located at Mars Site - Consisting of the following equipment: Two 25,000 gallon No. 2 diesel fuel storage tanks, double-walled plasti-steel with leak detection, level detection and overfill protection at the Mars site.

VENUS SITE:

E009239: DIESEL IC ENGINE, EMERGENCY FIRE PUMP - Consisting of the following equipment: Detroit Diesel, Diesel, Fire Pump, Model No. DDFP03ANHLH7086, 3 cylinders, Turbo Charged, 99bhp @1760rpm, Serial No. 3A102239.

PORTABLE EQUIPMENT:

B009337: DIESEL IC ENGINE, PORTABLE, LOW-USE, AIR COMPRESSOR - Consisting of the following equipment: One John Deere, Diesel fired internal combustion engine, Model No. TO4045T and Serial No. TO4045DF150, producing 100 bhp with 4 cylinders at 2500 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Compressor.

B009338: DIESEL IC ENGINE, PORTABLE, LOW-USE, AIR COMPRESSOR - Consisting of the following equipment: One John Deere, Diesel fired internal combustion engine, Model No. TO4045T and Serial No. CD4239d818684, producing 100 bhp with 4 cylinders at 2500 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Compressor.

B009339: DIESEL IC ENGINE, PORTABLE, LOW-USE, WELDER - Consisting of the following equipment: One Deutz, Diesel fired internal combustion engine, Model No. BF4M2011 and Serial No. LF244855, producing 64 bhp with 4 cylinders at 1850 rpm while consuming a maximum of 3 gal/hr. This equipment powers a Welder.

B009340: DIESEL IC ENGINE, PORTABLE, LOW-USE, WELDER - Consisting of the following equipment: One Deutz, Diesel fired internal combustion engine, Model No. BF4M2011 and Serial No. LF432006, producing 64 bhp with 4 cylinders at 1850 rpm while consuming a maximum of 3 gal/hr. This equipment powers a Welder.

B010789: PROPANE IC ENGINE, PORTABLE GENERATOR consisting of:

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Year of Manufacturer 2009, stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One GM, Propane fired internal combustion engine Model No. 9PSIBB.10NGP and Serial No. 8.1L21400S09, producing 240 bhp with 8 cylinders at 3000 rpm while consuming a maximum of 2 other. This equipment powers an Kohler Generator Model No. 100 REZG and Serial No. 2270879, rated at TBD.

B011623: PROPANE IC ENGINE, EMERGENCY, PORTABLE GENERATOR consisting of:
Year of Manufacture 2010, USEPA Family Name BPSIB5.702ED, stack height 2', stack diameter 2", exhaust flow rate of 735 cubic feet per minute at 677 degrees Fahrenheit. One General Motors, Propane fired internal combustion engine Model No. 8.1 and Serial No. 23472, producing 127 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 7 gal/hr. This equipment powers a Kohler Generator Model No. 100 REZG and Serial No. 2335656, rated at 97 kW(e).

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

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.
[Rule 203 - *Permit to Operate*; Version in State Implementation Plan (SIP) = California Air Resources Board (CARB) Ex. Order G-73, 40 Code of Federal Regulations (CFR) 52.220(c)(39)(ii)(B) - 11/09/78 43 Federal Register (FR) 52237; Current Rule Version = 07/25/77]

2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
[Rule 207 - *Altering or Falsifying of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

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7. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[Rule 217 - *Provision for Sampling And Testing Facilities*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(31)(vi)(C) - 02/01/77 43 FR 52237; Current Rule Version = 07/25/77]

9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[SIP Pending: Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 10/23/00; SIP Submitted 10/30/01; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]

10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]

11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees;* Applicable Version = Amended: 06/27/05 and effective 01/01/06), Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[Rule 312 - *Fees for Federal Operating Permits;* Applicable Version = Amended: 06/27/05 and effective 01/01/06), Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

13. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
    (a) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated

elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.

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

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

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

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

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

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

14. Owner/Operator is limited to use of the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 parts per million (ppm) calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be kept on-site and available for review by District, state, or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent.
[*40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements*]
[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

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

[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

16. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM_{10} Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved. [**SIP Pending:** Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as amended 07/22/97 and submitted 10/18/96]

17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
    (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
    (b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
    (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

    [Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

18. Owner/Operator shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
    (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
    (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

    [Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

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_2), greater than or equal to 500 ppm by volume.
    [Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]

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

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(a) The provisions of this condition shall not apply to emissions from internal combustion engines.
[**SIP:** District Rule 407 – *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

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.

[**SIP:** Rule 408 – *Circumvention*; Version in SIP: 07/25/77, Approved, CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C), 43 FR 40011, 09/08/78]

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_2) at standard conditions averaged over a minimum of 25 consecutive minutes.

[**SIP:** District Rule 409 – *Combustion Contaminants*; Version in SIP: 07/25/1977, Approved, CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C), 43 FR 40011, 09/08/78]

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

petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.

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

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

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

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

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

[**SIP:** District Rule 441 – *Research Operations*, Version not in SIP: 07/25/77, 40 CFR 52.272(a)(9)(i), 43 FR 40011, 09/08/78]

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

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

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

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

(1) The manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.

(2) The emissions of VOCs from VOC-containing materials or equipment which are subject to the rules of Regulation IV or which are exempt from air pollution control requirements by said rules.

(3) The spraying or other employment of organic solvents as insecticides, pesticides or herbicides.

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

(5) The use of 1-1-1 Trichloroethane.

(6) Aerosol products

[**SIP:** Rule 442 – *Usage of Solvents,* Version in SIP: 02/27/2006, Approved, 40 CFR

52.220(c)(347)(i)(C)(1), 72 FR 52791, 09/17/2007]

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

[**SIP:** Rule 444 – *Open Outdoor Fires*, Version in SIP: 09/25/06, Approved, 40 CFR 52.220(c)(350)(B)(1) , 72 FR 61525, 10/31/2007]

27. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning, and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
    (a) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.
    (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
    (c) <u>Cold Solvent Degreasers - Freeboard Requirements:</u>
        (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) <u>Cold Solvent Degreasers - Cover Requirements:</u>
        (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) <u>Cold Solvent Degreasers - Solvent Level Identification:</u>
        (i) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
    (f) <u>All Degreasers shall comply with the following operating requirements</u>:
        (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.

(ii) 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 carryout 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 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, <u>unless</u>, 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

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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)).

[**SIP:** Rule 1104 - *Organic Solvent Degreasing Operations*; Version in SIP: 04/30/96, Approved, 40 CFR 52.220(c)(207)(i)(D)(2), 61 FR 18962, 04/30/96]

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28. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the applicable requirements of Rule 1113, including the VOC limits specified in Rule 1113, section C, Table of Standards, as listed below:

Table 1
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

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

Coating Category	Effective, 02/24/2003	Effective, 01/01/2013
Primary Coatings		
Flat Coatings	100	50
Nonflat Coatings	150	100
Nonflat-High Gloss Coatings	250	150
Specialty Coatings		
Aluminum Roof Coatings	n/a	400
Basement Specialty Coatings	n/a	400
Bituminous Roof Coatings	300	50
Bituminous Roof Primers	350	350
Bond Breakers	350	350
Concrete Curing Compounds	350	350
Concrete/Masonary Sealers	n/a	100
Driveway Sealers	n/a	50
Dry Fog Coatings	400	150
Faux Finishing Coatings	350	350
Fire Resistive Coatings	350	350
Floor Coatings	250	100
Form-Release Compounds	250	250
Graphic Arts Coatings (Sign Paints)	500	500
High Temperature Coatings	420	420
Industrial Maintenance Coatings	250	250
Low Solids Coatings	120_a	120_a
Magnesite Cement Coatings	450	450
Mastic Texture Coatings	300	100
Metallic Pigmented Coatings	500	500
Multi-Color Coatings	250	250

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Pre-Treatment Wash Primers	420	420
Primers, Sealers, and Undercoaters	200	100
Reactive Penetrating Sealers	n/a	350
Recycled Coatings	250	250
Roof Coatings	250	50
Rust Preventative Coatings	400	250
Shellacs:		
Clear	730	730
Opaque	550	550
Specialty Primers, Sealers, and Undercoaters	350	100
Stains	250	250
Stone Consolidants	n/a	450
Swimming Pool Coatings	340	340
Traffic Marking Coatings	150	100
Tub and Tile Refinish Coatings	n/a	420
Waterproofing Membranes	n/a	250
Wood Coatings	n/a	275
Wood Preservatives	350	350
Zinc-Rich Primers	n/a	340
a: Limit is expressed as VOC Actual (G)(1)(a)(ii)		

Table 2
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

Effective January 1, 2013 the coating categories in Table 2 are eliminated and will be subject to the VOC limit of the applicable category in Table 1, except as provided in Section (C)(2), (C)(3), and (C)(5) of Rule 1113.

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

Coating Category	Effective 02/24/2003
Antenna Coatings	530
Antifouling Coatings	400
Clear Wood Coatings	

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

[**SIP Pending:** Rule 1113 - *Architectural Coatings*; Version in SIP = 02/24/03, LA/LD, 40 CFR 52.220(c)(315)(i)(C)(1), 69 FR 34, 01/02/04; Amended on 04/23/12, Submitted to CARB 09/21/12]

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

(1) <u>VOC Content of Coatings & Adhesives</u>

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

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

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

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

(ii) Notwithstanding the requirements of subsection (C)(1)(a)(i), a person or facility that applies a topcoat and a primer, sealer or undercoat to a Shutter may, until July 1, 2005, choose to comply with the VOC Content limits specified below for that Shutter:

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(c) LIMITS

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

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

(d) LIMITS

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

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

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

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

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

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

Coating	Air Dried		Baked	
(lb/gal)	g/L		(lb/gal)	g/L
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)

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[**SIP:** Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP: 04/22/96, Approved, 40 CFR 52.220(c)(239)(i)(A)(2), 62 FR 67002, effective 2/26/98]

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

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

(1) VOC Contents of Coatings

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

Table 1 - Coating Categories and VOC Limits

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

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Table 2 - Coating Categories and VOC Limits

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

*Group 1 Vehicles are public transit buses and mobile equipment including but not limited to: truck bodies, truck trailers, utility bodies, camper shells, mobile cranes, bulldozers, street cleaners, golf carts, and implements of husbandry, where color match is not required.
**Group 2 Vehicles are passenger cars; large/heavy duty truck cabs and chassis with a manufacturer's gross vehicle weight over 10,000 pounds; light and medium duty trucks and vans having a manufacturer's gross vehicle weight rating of 10,000 pounds or less; and motorcycles; and Group 1 Vehicles where color match is required.

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

(2) Most Restrictive VOC Limit

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

(3) Alternative Compliance

(a) Emission Control System

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

[**SIP:** Rule 1116 - *Automotive Finishing Operations*; Version in SIP: 08/23/10, Approved, 40 CFR 52.220(c)(388)(i)(F)(1), 77 FR 47536, effective 8/9/12]

32. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*). [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]

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

34. Owner/Operator shall comply with the requirements of 40 CFR 63, Subpart ZZZZ – *National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating internal Combustion Engines*. Specifically, the owner/operator shall comply with this NESHAP by complying with the permit conditions in PART III.
[40 CFR 63, Subpart ZZZZ]

35. Owner/Operator shall comply with the requirements of 40 CFR Part 63, Subpart CCCCCC – *National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities* (6C).
[40 CFR 63, Subpart CCCCCC]

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

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
   (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
   (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement are sufficient.

   [*40 CFR 70.6(a)(3)(B) – Periodic Monitoring Requirements*]
   [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
   [Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)] and in California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]

4. (a) Owner/Operator shall submit Compliance Certifications as prescribed by Rule

1203(F)(1) and Rule 1208, in a format approved by MDAQMD. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and shall 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) Owner/operator shall submit a *Compliance Certification Report* to the APCO/District on an *annual* basis. The *Compliance Certification Report* shall be postmarked by June 29 of each year. Each report must cover the previous calendar year and shall be certified to be true, accurate, and complete by "The Responsible Official". A copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.
[40 CFR 72.90.a <u>and</u> *Derived from* Rule 1203 (D)(1)(g)(v - x)]
[40 CFR 72.90.a <u>and</u> Rule 1203 (D)(1)(g)(v - x)]

5. Owner/Operator shall submit, on a *semi-annual* basis a *Monitoring Report* to the APCO/District. Each *Monitoring Report* shall cover the periods from May 30 to November 28 and from November 29 to May 29, and be postmarked by the 30 day of the end of the reporting period. This *Monitoring Report* shall be certified to be true, accurate, and complete by "The Responsible Official" and shall include the following information and/or data:
   (a) Summary of deviations from any federally enforceable requirement in this permit.
   (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
   (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.

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

6. Owner/Operator shall promptly report all deviations from Federal Operating Permit requirements including, but not limited to, any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation. [Rule 1203(D)(1)(e)(ii) and Rule 430(C)]
   Prompt reporting shall be determined as follows:
   (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District. [SIP Pending: Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 2/24/95]
   (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 1203(D)(1)(e)(i)]

7. If any facility unit(s) should be determined not to be in compliance with any federally enforceable requirement during the 5-year permit term, then Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:
   (a) A narrative description of how the facility will achieve compliance with such requirements; and
   (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et

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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)]

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.
[District Rule 1203 (D)(1)(f)(ii)]

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

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

8. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]

9. Owner/Operator shall 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. Owner/Operator shall comply with 40 CFR 82 – Protection of Stratospheric Ozone, as applicable. Any servicing of air conditioners shall be performed by a qualified contracting company.
[40 CFR 82]

11. Facility-wide emissions shall not exceed 250 tons per year of NOx, 24 tons per year of VOC, and 18 tons per year of PM10, as a running total for the preceding 364 day period plus the current day's operation. For emergency engines, only emissions generated during testing and maintenance, shall apply toward the facility-wide emission limits. Facility-wide emissions shall be monitored on an hourly, daily, monthly, and a running year (the last 365 days) basis. These records shall be maintained as current, for a minimum of five (5) years, and made available upon District, State, and/or Federal request.
[District Rule 1302 (C)(2)(a)]

12. The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request.
[Consolidated Emissions Reporting Rule, 40 CFR 51, Subpart A and District Rule 1302(C)(2)(a)] ***District and State Applicability only.***

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

A. CONDITIONS APPLICABLE TO THE FOLLOWING STATIONARY, DIESEL IC ENGINES, EMERGENCY GENERATORS:

E000272: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #2C: Building G-81) @ MARS SITE consisting of:
Year of Manufacturer 1967, uncertified, existing ICE with a stack height of 27.6', stack diameter of 12", and an exhaust flow rate of 1155 cubic feet per minute at 738 degrees Fahrenheit. One Caterpillar, Diesel fired internal combustion engine Model No. 398 and Serial No. 66B1447, After Cooled, Turbo Charged, Direct Injected, producing 875 bhp with 12 cylinders at 1200 rpm while consuming a maximum of 48 gal/hr. This equipment powers an Ideal Electric Generator Model No. SAB and Serial No. 260370, rated at 600 kW(e).

E000273: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #1C: Building G-81) @ MARS SITE consisting of:
Year of Manufacturer 1967, uncertified, existing ICE with a stack height of 27.6', stack diameter of 12", and an exhaust flow rate of 1155 cubic feet per minute at 738 degrees Fahrenheit. One Caterpillar, Diesel fired internal combustion engine Model No. 398 and Serial No. 66B1556, After Cooled, Turbo Charged, Direct Injected, producing 875 bhp with 12 cylinders at 1200 rpm while consuming a maximum of 48 gal/hr. This equipment powers an Ideal Electric Generator Model No. SAB and Serial No. 262701, rated at 600 kW(e).

E000274: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #2B: Building G-81) @ MARS SITE consisting of:
Year of Manufacturer 1973, uncertified, existing ICE with a stack height of 27.6', stack diameter of 12", and an exhaust flow rate of 1690 cubic feet per minute at 833.5 degrees Fahrenheit. One Caterpillar, Diesel fired internal combustion engine Model No. 399 and Serial No. 35B835, After Cooled, Turbo Charged, Direct Injected, producing 1280 bhp with 16 cylinders at 1200 rpm while consuming a maximum of 68 gal/hr. This equipment powers a Kato Engineering Generator Model No. 750SS9D and Serial No. 68431-2, rated at 850 kW(e).

E000275: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #3B: Building G-81) @ MARS SITE consisting of:
Year of Manufacturer 1973, uncertified, existing ICE with a stack height of 27.6', stack diameter of 12", and an exhaust flow rate of 1690 cubic feet per minute at 833.5 degrees Fahrenheit. One Caterpillar, Diesel fired internal combustion engine Model No. 399 and Serial No. 35B838, After Cooled, Turbo Charged, Direct Injected, producing 1280 bhp with 16 cylinders at 1200 rpm while consuming a maximum of 68 gal/hr. This equipment powers a Kato Engineering Generator Model No. 750SS9D and Serial No. 68431-1, rated at 850 kW(e).

E000276: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #1B: Building G-81) @ MARS SITE consisting of:
Year of Manufacturer 1973, uncertified, existing ICE with a stack height of 27.6', 833.5 degrees Fahrenheit. One Caterpillar, Diesel fired internal combustion engine Model No. 399 and Serial No. 35B837, After Cooled, Turbo Charged, Direct Injected, producing 1280 bhp with 16 cylinders at 1200 rpm while consuming a maximum of 68 gal/hr. This equipment powers a Kato Engineering Generator Model No. 750SS9D and Serial No. 68431-3, rated at 850 kW(e).

E000277: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #4B: Building G-81) @ MARS SITE consisting of:
Year of Manufacturer 1973, uncertified, existing ICE with a stack height of 27.6', stack diameter of 12", and an exhaust flow rate of 1690 cubic feet per minute at 833.5 degrees Fahrenheit. One Caterpillar, Diesel fired internal combustion engine Model No. 399 and Serial No. 35B834, After Cooled, Turbo Charged, Direct Injected, producing 1280 bhp with 16 cylinders at 1200 rpm while consuming a maximum of 68 gal/hr. This equipment powers a Kato Engineering Generator Model No. 750SS9D and Serial No. 70295, rated at 850 kW(e).

E000278: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #4A: Building G-81) @ MARS SITE consisting of:
Year of Manufacturer 1967, uncertified, existing ICE with a stack height of 21', stack diameter of 12", and an exhaust flow rate of 1155 cubic feet per minute at 738 degrees Fahrenheit. One Caterpillar, Diesel fired internal combustion engine Model No. 398 and Serial No. 66B2912, After Cooled, Turbo Charged, Direct Injected, producing 875 bhp with 12 cylinders at 1200 rpm while consuming a maximum of 48 gal/hr. This equipment powers an Ideal Electric Generator Model No. SAB and Serial No. 262707, rated at 600 kW(e).

E000279: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #3A: Building G-81) @ MARS SITE consisting of:
Year of Manufacturer 1965, uncertified, existing ICE with a stack height of 17.9', stack diameter of 12", and an exhaust flow rate of 1155 cubic feet per minute at 738 degrees Fahrenheit. One Caterpillar, Diesel fired internal combustion engine Model No. 398 and Serial No. 66B733, After Cooled, Turbo Charged, Direct Injected, producing 875 bhp with 12 cylinders at 1200 rpm while consuming a maximum of 48 gal/hr. This equipment powers an Ideal Electric Generator Model No. SAB and Serial No. 249958, rated at 600 kW(e).

E000280: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #1A: Building G-81) @ MARS SITE consisting of:
Year of Manufacturer 1964, uncertified, existing ICE with a stack height of 27.9', stack diameter of 12", and an exhaust flow rate of 1155 cubic feet per minute at 738 degrees Fahrenheit. One Caterpillar, Diesel fired internal combustion engine Model No. 398 and Serial No. 66B2911, After Cooled, Turbo Charged, Direct Injected, producing 875 bhp with 12 cylinders at 1200 rpm while consuming a maximum of 48 gal/hr. This equipment powers a Kato Engineering Generator Model No. A2421600001 and Serial No. 97979, rated at 600 kW(e).

E000281: DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #2A: Building G-81) @ MARS SITE consisting of:
Year of Manufacturer 1965, uncertified, existing ICE with a stack height of 17.9', stack diameter of 12", and an exhaust flow rate of 1155 cubic feet per minute at 738 degrees Fahrenheit. One Caterpillar, Diesel fired internal combustion engine Model No. 398 and Serial No. 66B2909, After Cooled, Turbo Charged, Direct Injected, producing 875 bhp with 12 cylinders at 1200 rpm while consuming a maximum of 48 gal/hr. This equipment powers a Kato Engineering Generator Model No. A2421600002 and Serial No. 11729, rated at 600 kW(e).

E003382: DIESEL IC ENGINE, EMERGENCY GENERATOR @ ECHO SITE consisting of:
Year of Manufacturer 1991, uncertified, existing ICE with a stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One Cummins, Diesel fired internal combustion engine Model No. NT-855-64 and Serial No. 11638482, producing 375 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 9 gal/hr. This equipment powers a TBD Generator Model No. TBD and Serial No. TBD, rated at 230 kW.

E005133: DIESEL IC ENGINE, EMERGENCY GENERATOR @ APOLLO SITE consisting of:
Year of Manufacturer TBD, uncertified, existing ICE with a stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One Cummins, Diesel fired internal combustion engine Model No. LTA10G1 and Serial No. 34886879, producing 380 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 9 gal/hr. This equipment powers an ONAN Generator Model No. 230DFAB and Serial No. K970658009, rated at 230 kW(e).

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

2. This existing, diesel engine, and any associated air pollution control equipment, shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 63.6605(a) and (b) and 63.6625(e)]

3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[17 CCR 93115.10(d) and 40 CFR 63.6625(f)]

4. This equipment shall only be fired on diesel fuel that meets the requirements of CARB Diesel Fuel as defined in 17 CCR 93115.4(a)(8), or an alternative fuel that meets the requirements of 17 CCR 93115.5(a)(2-6), pursuant to the Air Toxic Control Measure for Stationary Compression Ignition Engines.
[17 CCR 93115.5(a)] ***District and State Applicability only.***

5. This equipment shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than twenty (20) hours per year for testing and maintenance.
[17 CCR 93115.6(b)(3) and 40 CFR 63.6640(f)(ii)]

6. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use and hours of operation with documentation of how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation, including what classified the operation as non-emergency. [17 CCR 93115.10(f) and 40 CFR 63.6655(f)]; and,
b. Monthly and calendar year operation in terms of total hours, both emergency and non-emergency use, classified as described in 'a.' above [17 CCR 93115.10(f)]; and,
c. Monthly fuel use [17 CCR 93115.10(f)]; and,
d. Documentation of certified fuel use, as required by condition 4 (may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
e. Maintenance performed on this equipment, inclusive of the management practice requirements of condition 7 below; and,
f. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment [40 CFR 63.6640(b) and 63.6655(a)(2)]; and,
g. Records of all required maintenance performed on the air pollution control and monitoring equipment [40 CFR 63.6655(a)(4)]; and,
h. Records of actions taken during periods of malfunction to minimize emissions in accordance with condition 2, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation [40 CFR63.6655(a)(5)].

7. This engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, this engine is required to meet the following compliance requirements by May 3, 2013:
The owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below:
a. Change oil and oil filter every 500 hours of operation or annually, whichever comes first (source has the option to utilize an oil analysis program pursuant to 40 CFR 63.6625(i) in order to extend the specified oil change requirement.);
b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and,
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

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

8. If this emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements required by condition 7, or shutting down the engine would pose an unacceptable risk, the management practice can be delayed until the emergency is over, or the risk has been abated. The management practice should be performed as soon as practicable after the emergency/risk has ended. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.
[40 CFR 63.6603(a)]

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

10. This equipment 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)(1) and 40 CFR 63.6640(f)(iii)]

11. This equipment shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[17 CCR 93115.6(c)(2)(C)] ***District and State Applicability Only.***

12. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 204]

B. <u>CONDITIONS APPLICABLE TO THE FOLLOWING STATIONARY, DIESEL IC ENGINES, EMERGENCY FIRE PUMPS</u>:

E003381: DIESEL IC ENGINE, EMERGENCY FIRE PUMP (APOLLO SITE) consisting of:
Year of Manufacturer 2000, stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One Detroit, Diesel fired internal combustion engine Model No. VMFPT6HT L1211H and Serial No. 91B-1059, producing 140 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 6 gal/hr. This equipment powers a TBD Fire Pump Model No. TBD and Serial No. TBD, rated at TBD.

E009239: DIESEL IC ENGINE, EMERGENCY FIRE PUMP (VENUS SITE) consisting of:1989, stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One Detroit, Diesel fired internal combustion engine Model No. DDFP03ANHLH7086 and Serial No. 3A102239, producing 99 bhp with 3 cylinders at 1760 rpm while consuming a maximum of 4 gal/hr. This equipment powers a TBD Fire Pump Model No. TBD and Serial No. TBD, rated at TBD.

E009240: DIESEL IC ENGINE, EMERGENCY FIRE PUMP (ECHO SITE) consisting of:1989, stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One Detroit, Diesel fired internal combustion engine Model No. DDFP03ANHLH7086 and Serial No. 3A10226A, producing 99 bhp with 3 cylinders at 1760 rpm while consuming a maximum of 6 gal/hr. This equipment powers a TBD Fire Pump Model No. TBD and Serial No. TBD, rated at TBD.

E009241: DIESEL IC ENGINE, EMERGENCY FIRE PUMP (MARS SITE) consisting of:1989, stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One Detroit, Diesel fired internal combustion engine Model No. 10447110 and Serial No. 4A0254393, producing 99 bhp with 6 cylinders at 1760 rpm while consuming a maximum of 7 gal/hr. This equipment powers a TBD Fire Pump Model No. TBD and Serial No. TBD, rated at TBD.

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

2. This existing, diesel engine, and any associated air pollution control equipment, shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 63.6605(a) and (b) and 63.6625(e)]

3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[17 CCR 93115.10(d) and 40 CFR 63.6625(f)]

4. This equipment shall only be fired on diesel fuel that meets the requirements of CARB Diesel Fuel as defined in 17 CCR 93115.4(a)(8), or an alternative fuel that meets the requirements of 17 CCR 93115.5(a)(2-6), pursuant to the Air Toxic Control Measure for Stationary Compression Ignition Engines.
[17 CCR 93115.5(a)] ***District and State Applicability only.***

5. This equipment shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than twenty (20) hours per year for testing and maintenance.
[17 CCR 93115.6(b)(3) and 40 CFR 63.6640(f)(ii)]

6. The hour limits indicated in condition 5, above, do not apply to in-use emergency fire pump assemblies that are driven directly by stationary diesel-fueled CI engines and only operated the number of hours necessary to comply with the testing requirements of National Fire Protection Association (NFPA) 25 "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 2002 edition, which is incorporated herein by reference.
[17 CCR 93115.3(n)] ***District and State Applicability only.***

7. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use and hours of operation with documentation of how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation,

including what classified the operation as non-emergency. [17 CCR 93115.10(f) and 40 CFR 63.6655(f)]; and,
b. Monthly and calendar year operation in terms of total hours, both emergency and non-emergency use, classified as described in 'a.' above [17 CCR 93115.10(f)]; and,
c. Monthly fuel use [17 CCR 93115.10(f)]; and,
d. Documentation of certified fuel use, as required by condition 4 (may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
e. Maintenance performed on this equipment, inclusive of the management practice requirements of condition 9 below; and,
f. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment [40 CFR 63.6640(b) and 63.6655(a)(2)]; and,
g. Records of all required maintenance performed on the air pollution control and monitoring equipment [40 CFR 63.6655(a)(4)]; and,
h. Records of actions taken during periods of malfunction to minimize emissions in accordance with condition 2, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation [40 CFR63.6655(a)(5)].

8. This engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, this engine is required to meet the following compliance requirements by May 3, 2013:
The owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below:
a. Change oil and oil filter every 500 hours of operation or annually, whichever comes first (source has the option to utilize an oil analysis program pursuant to 40 CFR 63.6625(i) in order to extend the specified oil change requirement.);
b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and,
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
[40 CFR 63.6603(a) and 63.6640(a)]

9. If this emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements required by condition 8, or shutting down the engine would pose an unacceptable risk, the management practice can be delayed until the emergency is over, or the risk has been abated. The management practice should be performed

as soon as practicable after the emergency/risk has ended. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.
[40 CFR 63.6603(a)]

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

11. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 204]

C. CONDITIONS APPLICABLE TO THE FOLLOWING PORTABLE, DIESEL IC ENGINES, EMERGENCY GENERATORS:

E004635: DIESEL IC ENGINE, PORTABLE, EMERGENCY GENERATOR (ECHO SITE) consisting of: Year of Manufacturer 1985, uncertified, existing ICE with a stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One Palmer, Diesel fired internal combustion engine Model No. 100-3P-18 and Serial No. 66D5416, Inter Cooled, producing 135 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 7 gal/hr. This equipment powers a TBD Generator Model No. TBD and Serial No. TBD, rated at 100 kW(e).

E007893: DIESEL IC ENGINE, PORTABLE, EMERGENCY GENERATOR (ECHO SITE) consisting of: Year of Manufacturer 1998, tier 1, existing ICE with a stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One Perkins, Diesel fired internal combustion engine Model No. 1006 6T (D100P2) and Serial No. 7AK03323, Direct Injected, Inter Cooled, Turbo Charged, producing 166 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 8 gal/hr. This equipment powers a Generac Generator Model No. 0886 S and Serial No. 2040128, rated at 87.9 kW(e).

1. Owner/Operator shall ensure this equipment complies with applicable Part II and

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

2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302 (C)(2)(a)]

3. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.) [Title 17 CCR 93116.2(a)(29)] ***District and State Applicability only.***

4. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements; or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines. [Title 17 CCR 93116.3(a)] ***District and State Applicability only.***

5. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time by January 1, 2012. [Title 17 CCR 93116.4(c)(2)(A)] ***District and State Applicability only.***

6. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing. [Title 17 CCR 93116.2(a)(12) and 9.3116.3(c)(4)] ***District and State Applicability only.***

7. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use and duration of each use (in hours);
b. Reason for use (emergency use, testing & maintenance, etc);

c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log). [Title 17 CCR 93116.4(c)(2)(C)] ***District and State Applicability only.***

8. This portable, uncertified, emergency engine shall be removed from service or replaced no later than January 1, 2017. The replacement engine shall be certified to the most stringent of either the federal or California emission standards for the appropriate class and category of nonroad engine in effect at the time or replacement. [Title 17 CCR 93116.3(b)(1)(B)] ***District and State Applicability only.***

9. The owner/operator of this unit must submit a 'Statement of Compliance' signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information, see Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7).

   Compliance and Submittal Dates Pursuant to 17 CCR 93116.4(e)(2):

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

District and State Applicability only.

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

D. CONDITIONS APPLICABLE TO THE FOLLOWING PORTABLE, DIESEL IC ENGINES, LOW-USE EQUIPMENT:

B009337: DIESEL IC ENGINE, PORTABLE, LOW-USE, AIR COMPRESSOR consisting of:

Year of Manufacturer 2002, Tier 1, existing ICE with a stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One John Deere, Diesel fired internal combustion engine Model No. T04045DF150 and Serial No. T04045D724416, producing 80 bhp with 4 cylinders at 2500 rpm while consuming a maximum of 4 gal/hr. This equipment powers an Ingersol Rand Compressor Model No. TBD and Serial No. 04BB818684, rated at TBD.

B009338: DIESEL IC ENGINE, PORTABLE, LOW-USE, AIR COMPRESSOR consisting of:
Year of Manufacturer 2002, Tier 1, existing ICE with a stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One John Deere, Diesel fired internal combustion engine Model No. TO4045T and Serial No. CD4239d818684, producing 100 bhp with 4 cylinders at 2500 rpm while consuming a maximum of 4 gal/hr. This equipment powers an Ingersol Rand Compressor Model No. 04BB818684 and Serial No. TBD, rated at TBD.

B009339: DIESEL IC ENGINE, PORTABLE, LOW-USE, WELDER consisting of:
Year of Manufacturer TBD, uncertified, existing ICE with a stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One Deutz, Diesel fired internal combustion engine Model No. BF4M2011 and Serial No. LF432006, producing 64 bhp with 4 cylinders at 1850 rpm while consuming a maximum of 3 gal/hr. This equipment powers a Miller Welder Model No. TBD and Serial No. TBD, rated at TBD.

B009340: DIESEL IC ENGINE, PORTABLE, LOW-USE, WELDER consisting of:
Year of Manufacturer 2002, Tier 1, existing ICE with a stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One Deutz, Diesel fired internal combustion engine Model No. BF4M2011 and Serial No. LF244855, producing 64 bhp with 4 cylinders at 1850 rpm while consuming a maximum of 3 gal/hr. This equipment powers a Miller Welder Model No. TBD and Serial No. TBD, rated at TBD.

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

2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302 (C)(2)(a)]

3. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.) [Title 17 CCR 93116.2(a)(29)] ***District and State Applicability only.***

4. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements; or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines. [Title 17 CCR 93116.3(a)] ***District and State Applicability only.***

5. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time by January 1, 2012. [Title 17 CCR 93116.4(c)(2)(A)] ***District and State Applicability only.***

6. This engine has been designated as "low-use" pursuant to Title 17 CCR 93116. Engine operation shall not exceed 80 hours per year, except for in an emergency event as defined in Title 17 CCR 93116. [Title 17 CCR 93116.2(a)(22) and 9.3116.3(c)(4)] ***District and State Applicability only.***

7. The owner/operator shall maintain an operations log for this unit, current and on-site (or at a central location), for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use and duration of each use (in hours);
b. Reason for use (regular prime use, emergency, testing & maintenance, etc.);
c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,

d. Fuel sulfur concentration (may use the supplier's certification of sulfur content if it is maintained as part of this log). [Title 17 CCR 93116.4(c)(2)(C)] ***District and State Applicability only.***

8. This certified, low-use engine shall satisfy one of the following requirements by January 1, 2020:
a. The portable diesel-fueled engine is certified to Tier 4 emission standards for newly manufactured nonroad engines; or,
b. The portable diesel-fueled engine is equipped with a properly functioning level-3 verified technology; or,
c. The portable diesel-fueled engine is equipped with a combination of verified emission control strategies that have been verified together to achieve at least 85% reduction in diesel PM emissions.
[Title 17 CCR 93116.3(b)(3)] ***District and State Applicability only.***

9. The owner/operator of this unit must submit a 'Statement of Compliance' signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information, see Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7).

Compliance and Submittal Dates Pursuant to 17 CCR 93116.4(e)(2):

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

District and State Applicability only.

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

E. ***CONDITIONS APPLICABLE TO THE FOLLOWING PORTABLE, PROPANE IC ENGINES, PRIME GENERATORS:***

B010789: PROPANE IC ENGINE, PORTABLE GENERATOR consisting of:

Year of Manufacturer 2009, stack height of TBD, stack diameter of TBD, and an exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit. One GM, Propane fired internal combustion engine Model No. 9PSIBB.10NGP and Serial No. 8.1L21400S09, producing 240 bhp with 8 cylinders at 3000 rpm while consuming a maximum of 2 other. This equipment powers an Kohler Generator Model No. 100 REZG and Serial No. 2270879, rated at TBD.

B011623: PROPANE IC ENGINE, EMERGENCY, PORTABLE GENERATOR consisting of:
Year of Manufacture 2010, USEPA Family Name BPSIB5.702ED, stack height 2', stack diameter 2", exhaust flow rate of 735 cubic feet per minute at 677 degrees Fahrenheit. One General Motors, Propane fired internal combustion engine Model No. 8.1 and Serial No. 23472, producing 127 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 7 gal/hr. This equipment powers a Kohler Generator Model No. 100 REZG and Serial No. 2335656, rated at 97 kW(e).

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

2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302 (C)(2)(a)]

3. This engine cannot remain at a location for more than twelve (12) consecutive months. A location is any single site at a building, structure, facility, or installation. Any engine (or engines) that replaces an engine at a location and that is intended to perform the same or similar function as the engine replaced will be included in calculating the consecutive time period [40 CFR 1068.30, “nonroad engine” (2)(iii)].

If the owner/operator intends to utilize this engine as a stationary engine, a permit modification must be submitted to the District prior to stationary operation, and the engine is subject to all applicable stationary engine regulations.
[District Rule 1302 (C)(2)(a)]

4. This unit shall only be fired on Propane or LPG.
[District Rule 431]

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

6. The owner/operator shall maintain an operations log for this equipment, current and on-site (or at a central location), for a minimum of five (5) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
   a. Date and location of each use; and,
   b. Duration of each use (in hours) and the type of use (regular prime use, emergency, testing & maintenance, etc.); and,
   c. Calendar year operation in terms of fuel consumption (in gallons or equivalent) and total hours.
   [Rule 1203 (D)(1)(d)(ii) and 40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

F. CONDITIONS APPLICABLE TO THE FOLLOWING DIESEL FUEL STORAGE TANKS:

T003003: DIESEL FUEL STORAGE TANKS (MARS SITE) consisting of:
Two 25,000 gal No. 2 diesel fuel storage tanks, double-walled plasti-steel with leak detection, level detection and overfill protection.

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

2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be

operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302 (C)(2)(a)]

3. The applicant shall be required to comply with all applicable Rules and Regulations of the District. Applicable rules include but are not necessarily limited to Regulation IV.
[District Rule 1302 (C)(2)(a)]

G. CONDITIONS APPLICABLE TO THE FOLLOWING GASOLINE DISPENSING FACILITY, NON RETAIL, (ECHO SITE):

N001477; Fuel storage and dispensing:
Tanks - Number of Tanks: 2

Tank Number:	1	2
Material Stored:	87U	Diesel
Volume Gallons:	10,000	10,000
Above/Underground (A/U):	U	U

Dispensing Equipment:
i. Gasoline Dispensing Nozzles (Number): 2
ii. Diesel Dispensing Nozzles (Number): 1
iii. Phase II Vapor Recovery System (Type): Healy

PERMIT CONDITIONS:

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

2. The District toll-free telephone number that must be posted is 1-800-635-4617.
[District Rule 461 (C)(3)(h)]

3. The owner/operator shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461. Such logs or records shall be maintained at the facility for at least five (5) years and shall be available to the District upon request.
[40 CFR 70.6 (a)(3)(B), District Rule 461 (E)(1), and District Rule

1203(D)(1)(d)(ii)]

4. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the District.
[District Rule 201]

5. The vapor vent pipes are to be equipped with pressure relief valves.
[District Rule 461 (C)(2)(c)(xiii)]

6. The Phase II Vapor Recovery System shall be tested in accordance with the requirements of Executive Order (EO) VR-201-H, as stated herein. The owner or operator shall conduct and pass the following tests ANNUALLY using the latest adopted version of the following test procedures:

a. TP-201.3, Determination of 2-Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities (March 17, 1999);
b. Exhibit 8, Required Items in Conducting TP-201.3;
c. Exhibit 4; Determination of Static Pressure Performance of the Healy Clean Air Separator;
d. Exhibit 5, Vapor to Liquid Volume Ratio; and
e. Exhibit 7, Nozzle Bag Test Procedure; and

The District shall be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests.

The District shall receive passing test report no later than six (6) weeks prior to the expiration date of this permit
[Rule 1203 (D)(1)(d)(ii)] 40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions) and District Rule 1203 (D)(1)(d)(ii)]

6. The Enhanced Vapor Recovery (EVR) 2-Point Phase I System shall be tested in accordance with the requirements of EO VR-101-C, as stated herein. The owner or operator shall conduct and pass the following tests at least once every three years using the latest adopted version of the following test procedures:

a. Static Torque of Rotatable Phase I Adaptors per TP201.1B;
b. Depending on system configuration, either TP-201-1D, Leak Rate of Drop Tube Overfill Prevention, Device and Spill Container Drain Valve; or TP-201.1C,

Leak Rate of Drop Tube/Drain Valve Assembly; and
c. P/V valves in accord with TP-201.1E.

Passing test report shall be received by the District no later than six (6) weeks prior to the expiration date of this permit in those years when testing is required. [Rule 1203 (D)(1)(d)(ii)] 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions) and District Rule 1203 (D)(1)(d)(ii)]

7. The annual throughput of gasoline shall be less than 600,000 gallons per calendar year.
Throughput records shall be kept on site and available to District personnel upon request. Before this annual throughput can be increased the facility may be required to submit to the District a site specific Health Risk Assessment (HRA) in accord with a District approved plan. In addition, a public notice and/or comment period may be required. These throughputs are established to enable this facility to operate without installing ISD.
[Rule 1203 (D)(1)(d)(ii)] 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions) and District Rule 1203 (D)(1)(d)(ii)] and [District Rule 461 (E)(3)]

8. Enhanced Vapor Recovery (EVR) 2-Point Phase I Vapor Control Equipment to be maintained in Compliance with Executive Order (EO) VR-101-C.
[Rule 461 (C)(1)(g)- Gasoline Transfer and Dispensing; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

9. Assist EVR Phase II without ISD Equipment to be maintained in Compliance with EO VR-201-H, Dispensers shall be Uni-Hose type.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](For Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 461 - Gasoline Transfer and Dispensing; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

10. In accordance with the EVR implementation time line, and based on this facilities throughput limit, In-Station-Diagnostics (ISD) is not required. If the o/o wishes to increase throughput allowance, ISD must be installed in accordance with the EVR timeline. Prior to installing this system, a District approved Authority To Construct permit must be obtained.

[Rule 461 - Gasoline Transfer and Dispensing; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

PART IV
STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]

2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]

3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]

4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]

5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]

6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]

7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]

8. Owner/Operator shall furnish to District, state or federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]

9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]

11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]

12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that "only" Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).
[40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]

13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]

14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations, which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]

15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]

16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be

construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]

18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.
[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]

19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]

20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart F]

21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]

22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

PART V
OPERATIONAL FLEXIBILITY

ALTERNATIVE OPERATING SCENARIO(S):

A. <u>OFF PERMIT CHANGES</u>:

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

A. Permitee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and

1. The proposed change is not:

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

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

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

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

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

II. Procedure for "Off Permit" Changes

A. If a proposed "Off Permit Change" qualifies under Part V, Section (B)(I)(A)(1) above, permitee shall implement the change as follows:

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

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

a. A notification that this application is also an application for an "Off Permit" Change pursuant to this condition; and *[See 1203(E)(1)(c)(i)b.]*

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

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

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

B. Permitee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See 1203(E)(1)(c)(i)a. and g.]*

C. Permitee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. *[See 1203(E)(1)(c)(i)f.]*

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

III. Other Requirements:

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

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

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

PART VI
CONVENTIONS, ABREVIATIONS, DEFINITIONS

A. ***CONVENTIONS:***

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

40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS)
40 CFR Part 60, Appendix F, Quality Assurance Procedures
40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
40 CFR Part 61, Subpart M, National Emission Standards for Asbestos
40 CFR Part 63, National Emission Standards For Hazardous Air Pollutants For Affected Source Categories
40 CFR Part 72, Permits Regulation (Acid Rain Program)
40 CFR Part 73, Sulfur Dioxide Allowance System
40 CFR Part 75, Continuous Emission Monitoring
40 CFR Part 75, Subpart D, Missing Data Substitution Procedures
40 CFR Part 75, Appendix B, Quality Assurance and Quality Control Procedures
40 CFR Part 75, Appendix C, Missing Data Estimating Procedures
40 CFR Part 75, Appendix D, Optional SO_2 Emissions Data Protocol
40 CFR Part 75, Appendix F, Conversion Procedures
40 CFR Part 75, Appendix G, Determination of CO_2 Emissions

B. ***OTHER CONVENTIONS:***

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

C. ***ABBREVIATIONS:***

Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower

Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO_2	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH_3	ammonia
NMOC	non-methane organic compounds
NO_x	oxides of nitrogen
NO_2	nitrogen dioxide
O_2	oxygen
pH	pH (acidity measure of solution)
PM_{10}	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO_x	oxides of sulfur
SO_2	sulfur dioxide

tpy	tons per year
TVP	true vapor pressure

D. MDAQMD Rule SIP History:

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