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:

•SEE TITLE V PAGE 2 FOR PERMIT REVISION SUMMARY•

This Federal Operating Permit Expires
April 4, 2021

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 REVISION HISTORY

February 11, 2016
Renewal by Sheri Haggard

March 3, 2015
Significant Modification by Sheri Haggard:
● Part II, Section B.4 was updated to clarify the reporting frequency of the Compliance Certification.
● Part II, Section B.5 was updated to clarify the reporting frequency of the Monitoring Reporting.
● Part II, Section C.11 was updated to clarify the compliance verification for the facility-wide limits to a rolling twelve month calculation.
● Part III, Section H, was added to include the existing waste oil storage tank.

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 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.

September 29, 2011

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

October 03, 2002; June 09, 2003

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.

July 21, 2004:

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

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

TABLE OF CONTENTS

		Page
Part I	Introductory Information	I-1 through I-7
Part II	Applicable Requirements and Emissions Limitations	II-8 through II-24
Part III	Monitoring, Recordkeeping, Reporting and Testing Requirements	III-25 through III-44
Part IV	Standard Federal Operating Permit Conditions	IV-45 through IV-47
Part V	Operational Flexibility Provisions	V-48 through V-49
Part VI	Conventions, Abbreviations, Definitions	VI-50 through VI-51
Part VII	District SIP History and Citations	VII-52 through VII-58

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 Deep Space Communications Complex
Facility Location:	Goldstone Lake, Fort Irwin, CA 92311
Mailing Address:	Harris Corp. 93 Goldstone Road Fort Irwin, CA 92310
MDAQMD Federal Operating Permit Number:	13300611
MDAQMD Company Number:	0133
MDAQMD Facility Number:	00611
Responsible Official:	Steve Slaten, NASA Management Office
Title:	Site Manager, GDSCC
Phone Number:	818-393-6683
Email:	sslaten@nmo.jpl.nasa.gov
Facility "Site" Contact:	Mark Solheid
Title:	Senior ES&H Analyst
Phone Number:	760-255-8225
Email:	mark.j.solheid@jpl.nasa.gov
Facility "Off Site" Contact:	Christian Benitez, JPL
Title:	Environmental Affairs Program Office
Phone Number:	818-354-8653
Email:	cbenitez@mail.jpl.nasa.gov
SIC:	9661 (Radio frequency, deep space tracking)
Facility Location:	WGS84 UTM (M) 11517693 E/3906401 N

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 13300611) for NASA Goldstone Deep Space Communications Complex (Goldstone), which is located near Goldstone Lake, Fort Irwin, California. Goldstone is a deep space communications facility. Because of the critical nature of the missions 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 (10) seconds, the SWUPS batteries will support the station load. For outages greater than ten (10) 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 (1) minute. The emergency generators take approximately thirty (30) seconds to assume full station load. To maintain this reliable electric power, Goldstone is equipped with ten mission-related, 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. Other emitting equipment at Goldstone includes diesel-fired, emergency fire pumps; administrative diesel-fired, emergency engines; portable emergency generators (propane and diesel-fired); gasoline dispensing equipment; and a waste oil storage tank.

A summary of all equipment is as follows:

Permit No.	***Permit Type***	***Permit Description***
B009337	Prime	DIESEL IC ENGINE, PORTABLE, LOW-USE, AIR COMPRESSOR
B009338	Prime	DIESEL IC ENGINE, PORTABLE, LOW-USE, AIR COMPRESSOR
B009339	Prime	DIESEL IC ENGINE, PORTABLE, LOW-USE, WELDER
B009340	Prime	DIESEL IC ENGINE, PORTABLE, LOW-USE, WELDER
B010789	Prime	PROPANE IC ENGINE, PORTABLE GENERATOR
B011623	Prime	PROPANE IC ENGINE, PORTABLE GENERATOR
E000272	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #2C) - MARS SITE
E000273	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #1C) - MARS SITE
E000274	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #2B) - MARS SITE
E000275	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #3B) - MARS SITE
E000276	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #1B) - MARS SITE
E000277	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #4B) - MARS SITE
E000278	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #4A) - MARS SITE
E000279	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #3A) - MARS SITE
E000280	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #1A) - MARS SITE
E000281	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR (UNIT #2A) - MARS SITE
E003381	Emergency	DIESEL IC ENGINE, EMERGENCY FIRE PUMP - APOLLO SITE
E003382	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR - ECHO SITE
E004635	Emergency	DIESEL IC ENGINE, PORTABLE, EMERGENCY GENERATOR
E005133	Emergency	DIESEL IC ENGINE, EMERGENCY GENERATOR - APOLLO SITE
E007893	Emergency	DIESEL IC ENGINE, PORTABLE, EMERGENCY GENERATOR
E009239	Emergency	DIESEL IC ENGINE, EMERGENCY FIRE PUMP - VENUS SITE
E009240	Emergency	DIESEL IC ENGINE, EMERGENCY FIRE PUMP - ECHO SITE
E009241	Emergency	DIESEL IC ENGINE, EMERGENCY FIRE PUMP - MARS SITE
N001477	Gasoline Dispensing	GASOLINE DISPENSING FACILITY (NON-RETAIL) - ECHO SITE
T003003	Tank	DIESEL FUEL STORAGE TANKS - MARS SITE
T012185	Tank	STORAGE TANK, WASTE OIL - 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).

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.

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 66B1555 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 #1B: 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.

T012185: STORAGE TANK, WASTE OIL consisting of the following equipment: A 2,000 gallon, underground, double walled tank manufactured by Joor manufacturing, serial G-81-3. This tank is electronically monitored by a Veeder Root 350 TLS monitoring system, and is used to store waste oil generated from the ten (10), diesel IC engines powering emergency generators at the Mars site. This tank includes a vent pipe measuring 25 feet high and 3 inches in diameter.

<u>VENUS SITE:</u>

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: Year of Manufacturer 2009, 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. 21400S09, producing 162 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. 2270879, rated at 100 kW(e).

B011623: PROPANE IC ENGINE, 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 162 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 100 kW(e).

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.

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

A. ***REQUIREMENTS APPLICBLE TO ENTIRE FACILITY AND EQUIPMENT:***

1. A person shall not operate or use any equipment, the use of which may cause the issuance of air contaminants or the use of which may reduce or control the issuance of air contaminants, without first obtaining a written permit from the Air Pollution Control Officer or except as provided in District Rule 202.
[District Rule 203]

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

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

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

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

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

7. Permits are not transferable.
[District Rule 209]

8. The APCO may require the owner/operator to provide and maintain such facilities as are necessary for sampling and testing.
[District Rule 217]

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 District Rule 219 and meets the applicable criteria contained in District Rule 219(B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.

[District Rule 219]

10. The owner/operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[District Rule 221]

11. Owner/operator shall pay all applicable MDAQMD permit fees.
[District Rule 301]

12. Owner/operator shall pay all applicable MDAQMD Title V Permit fees.
[District Rule 312]

13. Owner/Operator shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
    (a) As dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
    (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subsection (a) of this rule.

    [District Rule 401]

14. 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 District 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, <u>is</u> required to validate compliance with District Rule 401 Visible Emissions limit as indicated below:
        (i) Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation, a visible emissions inspection is required every three (3) months or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3-month time frame.
        (ii) Diesel Standby and emergency reciprocating engines using California low sulfur fuels require no additional monitoring for opacity.
        (iii) Diesel/Distillate-Fueled Boilers firing on California low sulfur fuels require a visible emissions inspection after every 1 million gallons diesel combusted, to be counted cumulatively over a 5-year period.
        (iv) On any of the above, if a visible emissions inspection documents opacity, an U.S. Environmental Protection Agency (EPA) Method 9 "Visible Emissions Evaluation" shall be completed within 3 working days, or during the next

scheduled operating period if the unit ceases firing on diesel/distillate within the 3 working day time frame.

[District Rule 204 and District Rule 401]

15. 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 District 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.
[District Rule 431]
[40 CFR 70.6 (a)(3)(i)(B)]

16. Owner/Operator must adhere to the provisions of District Rule 403 – *Fugitive Dust*, including the following provisions:
    (a) A person shall not cause or allow the emissions of fugitive dust from any transport, handling, construction or storage activity so that the presence of such dust remains visible in the atmosphere beyond the property line of the emission source (does not apply to emissions emanating from unpaved roadways open to public travel or farm roads. This exclusion shall not apply to industrial or commercial facilities).
    (b) A person shall take every reasonable precaution to minimize fugitive dust emissions from wrecking, excavation, grading, clearing of land and solid waste disposal operations.
    (c) A person shall not cause or allow particulate matter to exceed 100 micrograms per cubic meter when determined as the difference between upwind and downwind samples collected on high volume samplers at the property line for a minimum of five hours.
    (d) A person shall take every reasonable precaution to prevent visible particulate matter from being deposited upon public roadways as a direct result of their operations. Reasonable precautions shall include, but are not limited to, the removal of particulate matter from equipment prior to movement on paved streets or the prompt removal of any material from paved streets onto which such material has been deposited.

    [District Rule 403]

17. Owner/operator shall comply with the applicable requirements of District Rule 403.2 unless an "Alternative PM_{10} Control Plan" (ACP) pursuant to District Rule 403.2(G) has been approved.
[District Rule 403.2]

18. Owner/operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions,

shown in District Rule 404, Table 404 (a).

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

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

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

[District Rule 404]

19. 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 District Rule 405, Table 405(a).

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

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

[District Rule 405]

20. 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.

[District Rule 406]

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

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

[District Rule 407]

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

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

[District Rule 408]

23. 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.

[District Rule 409]

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

    [District Rule 430]

25. 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 District 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.
    [District Rule 431]
    [40 CFR 70.6 (a)(3)(i)(B)]

26. The provisions of District Regulation IV except District 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.

    [District Rule 441]

27. The owner/operator of this facility shall meet the following emission and operating requirements:
    (a) Shall not discharge VOCs into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month at this Facility.

(i) Compliance with the VOC limit above may be obtained through use of any of the following or any combination thereof:
  a. Product reformulation or substitution;
  b. Process changes;
  c. Improvement of operational efficiency;
  d. Development of innovative technology;
  e. operation of emission collection and control system that reduces overall emissions by eighty-five percent (85%).

(b) Shall not discharge into the atmosphere a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average. For purposes of VOC quantification, discharge shall include a drying period of 12 hours following the application of such non-VOC solvents.

(c) The provisions of this condition shall not apply to:
  (i) The manufacture, transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
  (ii) The emissions of VOCs from VOC-containing materials or equipment which are subject to District Regulation IV rules or which are exempt from air pollution control requirements by such rules.
  (iii) The use of pesticides including insecticides, rodenticides or herbicides.
  (iv) The use of 1,1,1 trichloroethane, methylene chloride and trichlorotrifluroethane.
  (v) Aerosol products.
  (vi) VOC containing materials or equipment which is not subject to VOC limits of any rule found in District Regulation XI – Source Specific Standards.

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

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

[District Rule 442]

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

29. The owner/operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of District Rule 1104 when engaged in wipe cleaning, cold solvent cleaning, and/or vapor cleaning (degreasing) operations for metal/non-metal

parts/products.

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 District Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.

(c) Cold Solvent Degreasers – Freeboard Requirements:

- (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
- (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.
- (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
- (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one.

(d) Cold Solvent Degreasers – Cover Requirements:

- (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.

(e) Cold Solvent Degreasers - Solvent Level Identification:

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

(f) All Degreasers shall comply with the following operating requirements:

- (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
- (ii) Degreasers shall not be operating with any detectable solvent leaks.
- (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, unless, the spray is conducted in a totally enclosed space, separated from the environment.

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

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

(xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.

(xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.

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

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

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

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

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

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

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

basis, and

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

(ii) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of District Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data 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.

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

(iv) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous five (5) year period as required by this Title V/Federal Operating Permit per District Rule 1203 (D)(1)(d)(ii).

[District Rule 1104]

30. The owner/operator's use of Architectural Coatings at this facility shall comply with the applicable requirements of District Rule 1113, including the VOC limits specified in District Rule 1113, section C, Table of Standards, as listed below:

(a) VOC Content Limits:

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, 01/01/2013 g/L**
Primary Coatings	
Flat Coatings	50
Nonflat Coatings	100
Nonflat-High Gloss Coatings	150
Specialty Coatings	
Aluminum Roof Coatings	400
Basement Specialty Coatings	400
Bituminous Roof Coatings	50
Bituminous Roof Primers	350
Bond Breakers	350
Concrete Curing Compounds	350
Concrete/Masonry Sealers	100
Driveway Sealers	50
Dry Fog Coatings	150

Faux Finishing Coatings	350
Fire Resistive Coatings	350
Floor Coatings	100
Form-Release Compounds	250
Graphic Arts Coatings (Sign Paints)	500
High Temperature Coatings	420
Industrial Maintenance Coatings	250
Low Solids Coatings	120[a]
Magnesite Cement Coatings	450
Mastic Texture Coatings	100
Metallic Pigmented Coatings	500
Multi-Color Coatings	250
Pre-Treatment Wash Primers	420
Primers, Sealers, and Undercoaters	100
Reactive Penetrating Sealers	350
Recycled Coatings	250
Roof Coatings	50
Rust Preventative Coatings	250
Shellacs:	
Clear	730
Opaque	550
Specialty Primers, Sealers, and Undercoaters	100
Stains	250
Stone Consolidants	450
Swimming Pool Coatings	340
Traffic Marking Coatings	100
Tub and Tile Refinish Coatings	420
Waterproofing Membranes	250
Wood Coatings	275
Wood Preservatives	350
Zinc-Rich Primers	340
a: Limit is expressed as VOC Actual (G)(1)(a)(ii)	

[District Rule 1113]

31. The owner/operator's use of Wood Products Coatings at this facility shall comply with the applicable requirements of District Rule 1114, including the VOC limits specified in District Rule 1114, part C, Table of Standards, as listed below:
    (a) VOC Content of Coatings & Adhesives
        (i) 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.

(ii) Limits:

VOC CONTENT LIMITS FOR WOOD PRODUCTS COATINGS
Grams of VOC per Liter of Coating,
Less Water and Less Exempt Compounds (VOC Content)

Coating Category	**Effective, 07/01/2005 g/L (lb/gal)**
Clear Sealers	275 (2.3)
Clear Topcoat	275 (2.3)
Pigmented Primers, Sealers and Undercoats	275 (2.3)
Pigmented Topcoats	275 (2.3)
Fillers	275 (2.3)
High-Solid Stains	350 (2.9)
Inks	500 (4.2)
Mold-Seal Coatings	750 (6.3)
Multi-Colored Coatings	275 (2.3)
Low-Solids Stains, Toners, and Washcoats	120 (1.0)
Adhesives	250 (2.1)

[District Rule 1114]

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

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

(i) VOC Content of Coatings:

VOC CONTENT LIMITS FOR METAL PARTS AND PRODUCTS COATINGS
Grams of VOC per Liter of Coating,
Less Water and Less Exempt Compounds

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

[District Rule 1115]

33. The owner/operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1211, District Regulation XII – *Federal Operating Permits*.
[District Regulation XII]

34. The 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]

35. The owner/operator shall comply with the requirements of 40 CFR 63, Subpart A – *National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions.*
[40 CFR 63, Subpart A]

36. The 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*.
[40 CFR 63, Subpart ZZZZ]

37. The 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*.
[40 CFR 63, Subpart CCCCCC]

38. The owner/operator shall comply with the requirements of 40 CFR 82 – *Protection of Stratospheric Ozone*.
[40 CFR 82]

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

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

2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual.* Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.
[District Rule 204]

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

   [District Rule 204]
   [40 CFR 70.6(a)(3)(B)]
   [Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a) and in California Clean Air Act, Health and Safety Code §§39607

and §§44300 et seq.]

4. The owner/operator shall submit, annually, a Compliance Certification as prescribed by District Rule 1203(F)(1) and District Rule 1208, in a format approved by MDAQMD. The Compliance Certifications, signed by the 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.
[District Rule 1203(D)(1)(g)(v-x)]
[District Rule 1203(D)(1)(g)(v-x)]
[40 CFR 72.90.a; 40 CFR 70.6(c)(5)(i)]
   (a) The owner/operator shall include in any Compliance Certification the methods used for monitoring such compliance.
   [District Rule 1203(D)(1)(g)(viii)]
   [40 CFR 70.6(c)(5)(ii)]
   (b) The owner/operator shall comply with any additional certification requirements as specified in 42 United States Code (U.S.C.) §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
   [District Rule 1203 (D)(1)(g)(x)]
   (c) The owner/operator shall submit all Compliance Certifications to the APCO/District and the USEPA, Region IX Administrator.
   (d) The annual certification period is June 1st of the previous year through May 31st of the current year, and shall be submitted with postmark no later than June 30th of each year.

5. The owner/operator shall submit, semi-annually, a Monitoring Report to the APCO/District. The Monitoring Reports shall be certified to be true, accurate, and complete, signed by the Responsible Official, and shall include the following information and/or data:
   (a) Summary of deviations from any federally enforceable requirement in this permit.
   (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement/federally - enforceable requirement.
   (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement/federally - enforceable requirement that does not directly require such monitoring. An alternate Monitoring Report format may be used upon prior approval by MDAQMD.
   (d) The semi-annual reporting periods shall be submitted as follows:
      (i) June 1st through November 30th, due with postmark no later than December 31st of each year; and,
      (ii) December 1st through May 31st, due with postmark no later than June 30th of each year.

[District Rule 1203(D)(1)(c)(i - iii); District Rule 1203(D)(1)(d)(i); District Rule

1203(D)(1)(e)(i - ii); District Rule1203(D)(1)(g)(v - x)]

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

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

compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[District Rule 1201 (I)(3)(iii); District Rule 1203 (D)(1)(e)(ii); District Rule 1203 (D)(1)(g)(v)]

C. FACILITY-WIDE COMPLIANCE CONDITIONS:

1. The owner/operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[District Rule 1203(D)(1)(g)(i)]
[40 CFR 70.6(c)(2)(i)]

2. The owner/operator shall allow an authorized representative of the MDAQMD to have access to, and copy any records, that must be kept under condition(s) of this Federal Operating Permit.
[District Rule 1203(D)(1)(g)(ii)]
[40 CFR 70.6(c)(2)(ii)]

3. The owner/operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[District Rule 1203(D)(1)(g)(iii)]
[40 CFR 70.6(c)(2)(iii)]

4. The owner/operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[District Rule 1203(D)(1)(g)(iv)]
[40 CFR 70.6(c)(2)(iv)]

5. The owner/operator shall remain in compliance with all Applicable Requirements/federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[District Rule 1203(D)(1)(f)(ii)]

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

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

9. Owner/Operator shall notify the APCO/District, on an annual basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].
[40 CFR 61.145(b)]

10. The 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 NO_X, 24 tons per year of VOC, and 18 tons per year of PM_{10}. Facility-wide emissions shall be calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. For emergency engines, only emissions generated during testing and maintenance, shall apply toward the facility-wide emission limits. 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.
[District Rule 1302(C)(2)(a)]
[40 CFR 51, Subpart A – *Air Emissions Reporting Requirements*]
District and State Applicability Only

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.66B1555, 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).

1. 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)]

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

3. 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)]
[40 CFR 63.6604]

4. 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 or may be interrupted or disrupted by weather. 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)]
[40 CFR 63.6640(f)(ii)]

5. Emergency use includes providing electrical power or mechanical work during day-of-

rocket launch and day of space plane vehicle re-entry/landing system checks and tracking performed (in parallel with grid power) by the United States Department of Defense at Command Transmitter sites (also known as "CT" sites) that occur within the 24-hour time period associated with the scheduled time of the launch or re-entry/landing.
[17 CCR 93115.4(a)(30)(G)]

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 (i.e. commercial power unavailable, weather-threatening power availability, or command transmitting as allowed per condition 6), 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 1, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation [40 CFR 63.6655(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)]
[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 GENERATORS:</u>

E003382: DIESEL IC ENGINE, EMERGENCY GENERATOR - ECHO SITE consisting of:

Year of Manufacturer 1991, uncertified, existing ICE with a stack height of 8' and a stack diameter of 5". 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 an Onan Generator Model No. 230DFB0D and Serial No. 0910430314, rated at 230 kW(e).

E005133: DIESEL IC ENGINE, EMERGENCY GENERATOR - APOLLO SITE consisting of:
Year of Manufacturer 1997, uncertified, existing ICE with a stack height of 10' and a stack diameter of 5". 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 15.6 gal/hr. This equipment powers an Onan Generator Model No. 230DFAB and Serial No. K970658009, rated at 230 kW(e).

1. 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)]

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

3. 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)]
[40 CFR 63.6604]

4. 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)]
[40 CFR 63.6640(f)(ii)]

5. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
   (a) Date of each use and 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 6 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 CFR 63.6655(a)(5)].

6. 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)]

7. 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 6, 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)]

8. 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)]

9. 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)]
[40 CFR 63.6640(f)(iii)]

10. 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

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 STATIONARY, DIESEL IC ENGINES, EMERGENCY FIRE PUMPS:

E003381: DIESEL IC ENGINE, EMERGENCY FIRE PUMP - APOLLO SITE consisting of:
Year of Manufacturer 2000, stack height of 10’ and a stack diameter of 4”. 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 Peerless Fire Pump Model No. 5AEF11H and Serial No. 545326, rated at 1,000 gpm.

E009239: DIESEL IC ENGINE, EMERGENCY FIRE PUMP - VENUS SITE consisting of:
Year of Manufacturer 1989, stack height of 8’ and a stack diameter of 3”. 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 an Allis Chalmers Fire Pump Model No. KSIF and Serial No. 981-94161-05-01, rated at 750 gpm.

E009240: DIESEL IC ENGINE, EMERGENCY FIRE PUMP - ECHO SITE consisting of:
Year of Manufacturer 1989, stack height of 7' and a stack diameter of 3". 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 an Allis Chalmers Fire Pump Model No. KSIF and Serial No. 981-94161-01-01, rated at 1,000 gpm.

E009241: DIESEL IC ENGINE, EMERGENCY FIRE PUMP - MARS SITE consisting of:
Year of Manufacturer 1989, stack height of 15' and a stack diameter of 4". 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 Fairbanks Morse Fire Pump Model No. 5824F and Serial No. K3H1012566, rated at 7,700 rpm.

1. 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)]

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

3. 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)]
[40 CFR 63.6604]

4. This equipment shall not operate more than twenty (20) hours per year for testing and maintenance.
[17 CCR 93115.6(b)(3)]
[40 CFR 63.6640(f)(ii)]

5. The hour limit indicated in condition 4, above, does 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

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 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 1, 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 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]

D. CONDITIONS APPLICABLE TO THE FOLLOWING PORTABLE, UNCERTIFIED, 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 9’ and a stack diameter of 6”. 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 Palmer Generator Model No. 100-3P-18 and Serial No. M17634, rated at 100 kW(e).

E007893: DIESEL IC ENGINE, PORTABLE, EMERGENCY GENERATOR - ECHO SITE consisting of:
Year of Manufacturer 1998, uncertified, existing ICE with a stack height of 6’ and a stack diameter of 3”. 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. 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)]

2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. This equipment must be moved within this facility or moved to another facility annually. The amount of time that the equipment is kept in the storage location does not count towards the residence requirement so long as the equipment is not set up in an operational configuration.
[Title 17 CCR 93116.2(a)(29)]
District and State Applicability Only

3. 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

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

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

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

7. 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

8. 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

9. 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, UNCERTIFIED, DIESEL IC ENGINES, LOW-USE EQUIPMENT:

B009337: DIESEL IC ENGINE, PORTABLE, LOW-USE, AIR COMPRESSOR consisting of:
Year of Manufacturer 1997, uncertified, existing ICE with a stack height of 5' and a stack diameter of 2". 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. 36880631 and Serial No. 04BB818684, rated at 200 psi.

B009338: DIESEL IC ENGINE, PORTABLE, LOW-USE, AIR COMPRESSOR consisting of:
Year of Manufacturer unknown, uncertified, existing ICE with a stack height of 5' and a stack diameter of 2". 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. 175771U89329, rated at 100 psi.

B009339: DIESEL IC ENGINE, PORTABLE, LOW-USE, WELDER consisting of:
Year of Manufacturer unknown, uncertified, existing ICE with a stack height of 5' and a

stack diameter of 2”. 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. 907062-07-1 and Serial No. LC432006, rated at 600 ampere for stick welding and 500 ampere for Flux Core welding.

B009340: DIESEL IC ENGINE, PORTABLE, LOW-USE, WELDER consisting of: Year of Manufacturer unknown, uncertified, existing ICE with a stack height of 5’ and a stack diameter of 2”. 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. 907062-07-1 and Serial No. LF244855, rated at 600 ampere for stick welding and 500 ampere for Flux Core welding.

1. 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)]

2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. This equipment must be moved within this facility or moved to another facility annually. The amount of time that the equipment is kept in the storage location does not count towards the residence requirement so long as the equipment is not set up in an operational configuration.
[Title 17 CCR 93116.2(a)(29)]
District and State Applicability Only

3. 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

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

5. 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

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

7. This portable, uncertified, low-use 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

8. 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

9. 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

F. ***<u>CONDITIONS APPLICABLE TO THE FOLLOWING PORTABLE, PROPANE IC ENGINES, PRIME GENERATORS:</u>***

B010789: PROPANE IC ENGINE, PORTABLE GENERATOR consisting of:

Year of Manufacturer 2009, 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. 21400S09, producing 162 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. 2270879, rated at 100 kW(e).

B011623: PROPANE IC ENGINE, 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 162 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 100 kW(e).

1. 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)]

2. 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)]

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

4. 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)]

5. The owner/operator shall maintain an operations log for this equipment, current and on-site (or at a central location), for a minimum of five (5) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
   (a) Date 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.
[District Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6(a)(3)(B)]

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

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

1. 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)]

2. All of the components of this tank, including but not limited to tanks, flanges, seals, pipes, pumps, valves, meters, connectors, shall be maintained and operated so as to prevent fugitive vapor leaks, fugitive liquid leaks, and excess organic liquid drainage during transfer, storage and handling operations. This condition shall be verified via a visual inspection conducted on a monthly basis.
[District Rule 463(C)(3)]

3. 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) Record of liquids stored in this tank, verified by retention of fuel supplier invoices, bill of lading, or similar document.
   (b) A log containing the date and results of the inspections specified by condition 2, and any repairs and maintenance conducted on this equipment.
   [District Rule 463(D)(1) and (D)(3)]

H. CONDITIONS APPLICABLE TO THE FOLLOWING WASTE OIL STORAGE TANK:

T012185: STORAGE TANK, WASTE OIL - MARS SITE consisting of:
A 2,000 gallon, underground, double walled tank manufactured by Joor manufacturing, serial G-81-3. This tank is electronically monitored by a Veeder Root 350 TLS monitoring system, and is used to store waste oil generated from the ten (10), diesel IC

engines powering emergency generators at the Mars site. This tank includes a vent pipe measuring 25 feet high and 3 inches in diameter.

1. 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)]

2. The owner/operator shall strictly adhere to all Federal, State, and/or District rules and regulations which pertain to the storing, handling, transferring, transporting, and disposing of waste oils.
[District Rule 1302(C)(2)(a)]

3. Only waste oil generated from the ten (10), diesel IC engines powering emergency generators at the Mars site, under the following permits, shall be transferred and/or stored into/in this tank: E000272, E000273, E000274, E000275, E000276, E000277, E000278, E000279, E000280, and E000281.
[District Rule 463(D)(1)]

4. All of the components of this tank, including but not limited to tanks, flanges, seals, pipes, pumps, valves, meters, connectors, shall be maintained and operated so as to prevent fugitive vapor leaks, fugitive liquid leaks, and excess organic liquid drainage during transfer, storage and handling operations. This condition shall be verified via a visual inspection conducted on a monthly basis.
[District Rule 463(C)(3)].

5. The owner/operator shall maintain an operations log for this equipment, current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
   (a) Record of liquids stored in this tank, verified by recording the dates of each oil transfer to this tank from the allowed engines specified in condition 3, and by retention of the waste manifests issued upon disposal of waste oil.
   (b) A log containing the date and results of the inspections specified by condition 4, and any repairs and maintenance conducted on this equipment.
   [District Rule 463(D)(1) and (D)(3)]

I. 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

1. The owner/operator shall conspicuously post, in the gasoline dispensing area, the operating instructions and the District's toll-free telephone number for complaints (1-800-635-4617).
[District Rule 461(C)(3)(h)]

2. The owner/operator shall maintain a log of all inspections, repairs, and maintenance on equipment subject to District 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.
[District Rule 461(E)(1), and District Rule 1203(D)(1)(d)(ii)]
[40 CFR 70.6(a)(3)(B)]

3. Any modifications or changes to the piping and/or control fittings of the vapor recovery system requires prior approval from the District.
[District Regulation XIII]

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

5. The Enhanced Vapor Recovery (EVR) 2-Point Phase I System shall be tested in accordance with the requirements of Executive Order VR-101, as stated herein. The owner or operator shall conduct and pass the following tests at least once every twelve (12) months 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.

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

6. The Enhanced Vapor Recovery (EVR) Phase II System shall be tested in accordance with the requirements of Executive Order VR-201, as stated herein. The owner or operator shall conduct and pass the following tests at least once every twelve (12) months 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;
(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.

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

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.
[District Rule 461(E)(3), District Rule 1203(D)(1)(d)(ii) and District Regulation XIII]
[40 CFR 70.6 (a)(3)(B)]

8. Enhanced Vapor Recovery (EVR) 2-Point Phase I Vapor Control Equipment shall be installed and maintained in compliance with Executive Order VR-101.
[District Rule 461(C)(1)(b)]

9. Enhanced Vapor Recovery (EVR) 2-Point Phase II Vapor Control Equipment shall be installed and maintained in compliance with Executive Order VR-201.
[District Rule 461(C)(2)(a)]

10. In accordance with the EVR implementation time line, and based on this facility's throughput limit, In-Station-Diagnostics (ISD) is not required. If the owner/operator 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.
[District Rule 461(C)(2)(a) and District Regulation XIII]

PART IV
STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. ***STANDARD CONDITIONS:***

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[40 CFR 70.6(f)(3)(iii)]

16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[District Rule 1203(G)(3)(d)]
[40 CFR 70.6(f)(3)(iv)]

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

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

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

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

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

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

PART V
OPERATIONAL FLEXIBILITY

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

1. OFF PERMIT CHANGES:

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

(i) 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 District Rule 219; and

a. The proposed change is not:

1. Subject to any requirements under Title IV of the Federal Clean Air Act; or,
2. A modification under Title I of the Federal Clean Air Act; or
3. A modification subject to Regulation XIII; and,
4. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and,
5. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions).

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

(b) Procedure for "Off Permit" Changes

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

a. The permitee shall apply for an Authority to Construct permit pursuant to the provisions of Regulation II.

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

1. A notification that this application is also an application for an "Off Permit" Change pursuant to this condition; and
2. A list of any new Applicable Requirements which would apply as a result of the change; and
3. A list of any existing Applicable Requirements, which would cease to apply as a result of the change.

[District Rule 1203(E)(1)(c)(ii)(a)&(b)]

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

(ii) The permitee may make the proposed change upon receipt from the District of the Authority to Construct Permit or seven (7) days after forwarding the copy of the notice and application to USEPA whichever

occurs later.
[District Rule 1203(E)(1)(c)(ii)(e)]

(iii) The 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.
[District Rule 1203(E)(1)(c)(ii)(d)(1)]

(iv) The permitee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to District Rule 1202(B)(3)(b).
[District Rule 1203(E)(1)(c)(ii)(d)(2)]

(c) Other Requirements:

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

(ii) The provisions of District Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition.
[District Rule 1203(E)(1)(c)]
[40 CFR 70.4(b)(i)(B)]

PART VI
CONVENTIONS, ABREVIATIONS, DEFINITIONS

A. STANDARD CONVENTIONS:

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

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horse power
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO2	carbon dioxide
Dia.	diameter
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot

gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
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
SO2	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure

PART VII
DISTRICT SIP HISTORY AND CITATIONS

A. DISTRICT RULE SIP HISTORY:

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

B. DISTRICT RULE SIP CITATIONS:

1. District Rule SIP Citations are on the following pages.

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

218	*Stack Monitoring*	7/25/79	[SIP: Approved 9/28/81, 46 FR 47451,40 CFR 52.220(c)(65)(ii)]	Y	
219	*Equipment Not Requiring a Written Permit*	SB - 6/6/77 RC - 9/4/81	SB - [SIP: Approved 11/9/78, 43 FR, 52237, 40 CFR 52.220(c)(31)(vi)(C), 40 CFR 52.220(c)(32)(iv)(C), and 40 CFR 52.220(c)(39)(ii)(B)] RC - [SIP: Approved 7/6/82, 47 FR 29231, 40 CFR 52.220(c)(103)(xviii)(A)]	Y	
221	*Federal Operating Permit Requirement*	12/21/94	[SIP: Approved 2/5/96, 61 FR 4217, 40 CFR 52.220(c)(216)(i)(A)(2)]	Y	
301	*Permit Fees*	Not in SIP	Applicable Version = Most current amendment, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	Rule 301 is a fee rule and does not ordinarily require submission to USEPA. Various prior versions of Rule 301 were previously included in the State Implementation Plan (SIP) however USEPA removed this rule from the SIP on 01/18/02 (67 FR 2573; 40 CFR 52.220(c)(39)(iv)(C)). Therefore, this rule is not required to be a federal submittal.

312	*Fees for Federal Operating Permits*	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	
401	*Visible Emissions*	SB - 7/25/1977 RC - 2/4/1977 (subdivision (a)) RC - 10/15/82 (subdivision (b))	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(C)] RC (a) - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)] RC (b) - [SIP: Approved 10/19/84, 49 FR 41028, 40 CFR 52.220(c)(127)(vii)(C)]	Y	
403	*Fugitive Dust*	SB - 7/25/1977 RC - 7/25/1977	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(B)] RC - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)]	Y	
403.2	*Fugitive Dust Control for the Mojave Desert Planning Area*	9/22/96	[SIP: Approved 12/9/98, 63 FR 67784, 40 CFR 52.220(c)(194)(i)(H)(1)]	Y	
404	*Particulate Matter Concentration*	7/25/77	[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	

405	*Solid Particulate Matter, Weight*	7/25/77	[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
406	*Specific Contaminants*	SB - 7/25/1977 (subdivision (a)) RC - None	SB - [SIP: Approved, 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
407	*Liquid and Gaseous Air Contaminants*	5/7/76	SB - [SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C)] RC - [Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
408	*Circumvention*	5/7/76	[SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
409	*Combustion Contaminants*	5/7/76	[SIP: Approved 9/8/78; 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	

430	*Breakdown Provisions*	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	
431	*Sulfur Content of Fuels*	SB - 10/8/1976 RC – 10/8/1976	SB - [SIP: Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(B) and 40 CFR 52.220(c)(39)(ii)(B) RC - [SIP: Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(C), 40 CFR 52.220(c)(39)(iv)(C), and 40 CFR 52.220(c)(39)(vi)(B)	Y	
442	*Usage of Solvents*	2/27/06	[SIP: Approved 09/17/2007, 72 FR 52791, 40 CFR 52.220(c)(347)(i)(C)(1)]	Y	
900	*Standards of Performance for New Stationary Sources*	2/28/11	Delegated by USEPA	Y	Adopts NSPSs by reference. See NSPSs Delegation Listing.
1000	*National Emissions Standards from Hazardous Air Pollutants*	2/28/11	Delegated by USEPA	Y	Adopts NESHAPs by reference. See NESHAP Delegation Listing.

1104	*Organic Solvent Degreasing Operations*	9/28/94	[SIP: Approved: 4/30/96, 61 FR 18962, 40 CFR 52.220(c)(207)(I)(D)(2)]	Y	
1113	*Architectural Coatings*	4/23/12	[SIP: Approved: 1/03/14, 79 FR 364, 40 CFR 52.220(c)(428)(i)(C)]	Y	
1115	*Metal Parts and Products Coating Operations*	4/22/96	[SIP: Approved 12/23/97, 62 FR 67002, 40 CFR 52.220(c)(239)(i)(A)(2)]	Y	
1161	*Cement Kilns*	3/25/02	[SIP: Approved 1/2/02, 67 FR 19, 40 CFR 52.220(c)(287)(i)(A)(1)]	Y	
1302	*NSR - Procedure*	3/25/96	[SIP: Approved 11/13/1996, 61 FR 58133, 40 CFR 52.220(c)(239)(i)(A)(1)]	Y	
Regulation XII	*Federal Operating Permits*	*1201-1210*: 9/26/05 1200 & 1211: 2/28/11	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]		