

MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit Number: 1500535

For: PACIFIC GAS & ELECTRIC
COMPANY

Facility: Hinkley Compressor Station

Issued Pursuant to MDAQMD Regulation XII
Effective Date: November 17, 2009

SEE TITLE V PAGE 2 FOR PERMIT REVISION SUMMARY

This Federal Operating Permit Expires on:
November 17, 2014

Issued By: Eldon Heaston
Executive Director
Air Pollution Control Officer



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PERMIT REVISIONS

September 14, 2011 Administrative Title 5 Permit Modification to revise condition 8 on affected Permits B008886, B008887, B008888, and B008889; T5 page affected: III-42 (Change by Samuel J. Oktay)

March 28, 2011 Administrative Title 5 Permit Modification:
Updated Responsible Official

September 9, 2010 Renewal of Title V Permit:

Update and renew Title V permit after 30 day public notice and 45 day EPA 45 day review periods, effective reissue date November 17, 2009.

May 6, 2008 Administrative and Minor Title 5 Permit Modification, described as follows:

(Modifications by Samuel J Oktay). Added Ethanol Tanks operating under District Permits T010081, and T010204; pages affected I-8, III-53 thru III-54. Changed the number of gasoline dispensing nozzles from 2 to 1; pages affected I-6, and III-41. Updated Description of Facility Page I-5 to remove reference to 2230 bhp and (1) 755 bhp Diesel ICE's and add (4) 1083 bhp Natural Gas Fueled IC engines. Page I-5, I-6, and III-48; corrected waste oil storage capacity from 6000 gallons to 7000 gallons. Removed duplicate conditions page II-46 and III-47. Page III-51, Section G-4; Removed the sentence "No hazardous or toxic materials shall be put into this tank". Page III, Section H.6 corrected condition to read "The owner/operator (o/o) shall perform the following compliance tests every other year." Added references and conditions to equipment operating under District Permit E009578, pages affected I-6, I-8, and III-54 through III-56. Removed references to equipment permitted as B005363, as this permit was cancelled and equipment retired; pages affected I-7, and III-52. Page III-38, Section C - moved c. (unit K-4) to page III-35. Page III-35, Section B - added K-4 from page III-38. Changed name(s) of Responsible Officials, page affected, I-5.

February 14, 2006 Administrative Title 5 Permit Modification, described as follows:

Updated tank permit T004503 equipment description; Title V Sections I, and III updated as required. No emission changes are anticipated. During this Title V revision, Section II, Monitoring, Recordkeeping, Reporting and Testing Requirements, and Section V, Operational Flexibility Provisions, were updated to incorporate most recent Title V language. Updated contact information.

May 6, 2004 Minor Permit Modification described as follows:

Revise Title Page to reference page 2 for permit modification summaries. Insert new page 2 and added detailed summary for current Title V change. Updated Section III to reflect removal of permits B002661 and B003331 and addition of new permits B008886, B008887, B008888 and

MDAQMD Federal Operating Permit
Pacific Gas & Electric Company - Hinkley Compressor Station
Permit Number: 1500535

B008889 as replacements.

October 4, 2004 Renewal of Title V Permit:

Update and renew Title V permit after 30 day public notice and 45 day EPA 45 day review periods,
Reissue date November 17, 2004.

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PART I
INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name: PACIFIC GAS & ELECTRIC COMPANY

Owner Mailing Address: Pacific Gas & Electric Company
3401 Crow Canyon Rd.
San Ramon, CA 94598

Facility Name: Hinkley Compressor Station

Facility Location: 35863 Fairview Road, Hinkley CA 92347

Mailing Address: 22999 Community Blvd., Hinkley, CA 92347

MDAQMD Federal Operating Permit Number: 1500535

MDAQMD Company Number: 0015

MDAQMD Facility Number: 00535

Responsible Official (1 of 2): Jane Yura
Vice President, Gas Transmission & Distribution
(415) 973-4603

Responsible Official (2 of 2): Ed Salas
Senior Vice President, Engineering and Operations
(415) 973-4603

Facility "Site" Contacts:
Phone Number: Felix Vasquez
(760) 253-7874

Facility "Off Site" Contact:
Phone Number: Carol Burke
(925) 415-6308

Nature of Business: Natural Gas Compressor Station
SIC Code: 4922 – Natural Gas Pipeline
Facility Location: UTM (Km) 489E / 3863N

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 1500535) for Pacific Gas & Electric Company (PG&E), Hinkley Compressor Station, located at 35863 Fairview Road, Hinkley CA 92347. PG&E, Hinkley Compressor Station - is a natural gas compression/transmission pipeline facility located at Hinkley, California.

C. EQUIPMENT DESCRIPTION:

1. Twelve (12) Natural Gas Fueled Piston Type Internal Combustion (IC) Engines Driving Natural Gas Compressors, consisting of:

- a. MDAQMD Permit Number B004699, Cooper-Bessemer Model GMW 10, serial number 42593, 2500 bhp, 10 cylinder, four cycle, lean burn, turbocharged and aftercooled internal combustion engine, equipped with a pre-combustion chamber and driving compressor K-7.
- b. MDAQMD Permit Number B004812, Cooper-Bessemer Model GMW 10, serial number 42590, 2500 bhp, 10 cylinder, four cycle, lean burn, turbocharged and aftercooled internal combustion engine, equipped with a pre-combustion chamber and driving compressor K-3.
- c. MDAQMD Permit Number B005028, Cooper-Bessemer Model 16W-330, serial number 47022, 7250 bhp, 16 cylinder, four cycle, lean burn, turbocharged and aftercooled internal combustion engine, equipped with a pre-combustion chamber and driving compressor K-11.
- d. MDAQMD Permit Number B005029, Cooper-Bessemer Model 16W-330, serial number 47023, 7250 bhp, 16 cylinder, four cycle, lean burn, turbocharged and aftercooled internal combustion engine, equipped with a pre-combustion chamber and driving compressor K-12.
- e. MDAQMD Permit Number B005019, Cooper-Bessemer Model GMW, serial number 42594, 2500 bhp, 10 cylinder, four cycle, lean burn, naturally aspirated internal combustion engine, driving compressor K-6.
- f. MDAQMD Permit Number B005021, Cooper-Bessemer Model GMW 10, serial number 42588, 2500 bhp, 10 cylinder, four cycle, lean burn, turbocharged and aftercooled internal combustion engine, equipped with a pre-combustion chamber and driving compressor K-1.
- g. MDAQMD Permit Number B005022, Cooper-Bessemer Model GMW, serial number 42589, 2500 bhp, 10 cylinder, four cycle, lean burn, naturally aspirated internal combustion engine, driving compressor K-2.
- h. MDAQMD Permit Number B005023, Cooper-Bessemer Model GMW, serial number 42592, 2500 bhp, 10 cylinder, four cycle, lean burn, turbocharged and aftercooled internal combustion engine, equipped with a pre-combustion chamber and driving compressor K-4.
- i. MDAQMD Permit Number B005024, Cooper-Bessemer Model GMW, serial number 42591, 2500 bhp, 10 cylinder, four cycle, lean burn, naturally aspirated internal

- combustion engine, driving compressor K-5.
- j. MDAQMD Permit Number B005025, Cooper-Bessemer Model GMW, serial number 43129, 2500 bhp, 10 cylinder, four cycle, lean burn, naturally aspirated internal combustion engine, driving compressor K-8.
- k. MDAQMD Permit Number B005026, Cooper-Bessemer Model GMW, serial number 43128, 2500 bhp, 10 cylinder, four cycle, lean burn, naturally aspirated internal combustion engine, driving compressor K-9.
- l. MDAQMD Permit Number B005027, Manufactured in 1953, four cycle lean burn equipped with a pre-combustion chamber, Cooper-Bessemer model CMWTC, Serial No. 43127, rated at 3500 bhp and drives compressor K-10.
2. MDAQMD Permit Number N002573; Gasoline Dispensing Facility (Non-Retail), consisting of:
- a. Tanks - Number of Tanks: 2
Tank Number: 1 2
Material Stored: (87) Unleaded Diesel
Volume Gallons: 6,000 2,000
Underground(U): U U
- b. Dispensing Equipment:
Gasoline Dispensing Nozzles (Number): 1
Diesel Dispensing Nozzles (Number): 1
Phase II Vapor Recovery System (Type): Balance [gasoline only]
3. MDAQMD Permit Number A004607; Portable Abrasive Blasting System, consisting of:
Central Pneumatic portable unit, Model No. 40, Item No. 01521, Serial No. 810. Unit has a 40 lb pot. Rated maximum 200 lb/hr @ 25 cfm.
4. MDAQMD Permit Number B004083; Oil Water Separator, consisting of:
McTighe Industries model POWS-3000. Maximum design influent rate of 10,000 gal/day with oil recovery of approximately 290 gal/day. Each tank is vented to the atmosphere with no controls. The flash point of the collected oil is approximately 200 deg Fahrenheit, which should preclude significant emissions.
5. MDAQMD Permit Number T003332; Tank, Waste Oil Storage, consisting of:
Welded Steel 7,000 gallon fixed roof cylindrical tank 8 ft in diameter and 18.42 ft high.
6. MDAQMD Permit Number T004503; Tank, Pipeline Liquid Storage, consisting of:
6130 gallon Stainless Steel tank, vented to the atmosphere with no controls.
7. MDAQMD Permit Number B008886; Natural Gas IC Engine Generator, consisting of:
Waukesha, Model L7042GSI, Serial Number: C-94583/1, 1083 bhp, 6 cylinder, turbocharged and aftercooled natural gas-fired rich burn engine driving a 767 kw electrical generator P-6,

equipped with a non-selective catalytic reduction exhaust treatment system.

8. MDAQMD Permit Number B008887; Natural Gas IC Engine Generator, consisting of:
Waukesha, Model L7042GSI, Serial Number: C-94583/2, 1083 bhp, 6 cylinder, turbocharged and aftercooled natural gas-fired rich burn engine driving a 767 kw electrical generator P-7, equipped with a non-selective catalytic reduction exhaust treatment system.
9. MDAQMD Permit Number B008888; Natural Gas IC Engine Generator, consisting of:
Waukesha, Model L7042GSI, Serial Number: C-94583/3, 1083 bhp, 6 cylinder, turbocharged and aftercooled natural gas-fired rich burn engine driving a 767 kw electrical generator P-8, equipped with a non-selective catalytic reduction exhaust treatment system.
10. MDAQMD Permit Number B008889; Natural Gas IC Engine Generator, consisting of:
Waukesha, Model L7042GSI, Serial Number: C-94583/4, 1083 bhp, 6 cylinder, turbocharged and aftercooled natural gas-fired rich burn engine driving a 767 kw electrical generator P-9, equipped with a non-selective catalytic reduction exhaust treatment system.
11. MDAQMD Permit Numbers T010081, and T010204; STORAGE TANK, ETHANOL, each consisting of:
12000 gallon Supervault MH Multi-Hazard Rated aboveground storage tank Model MHC-D5-12000 equipped with phase I vapor recovery system per Executive Order G-70-132-B; Phase II is not required. Pressure Vacuum (PV) valve shall be part number 749CRB; pressure setting 3" w.c. and vacuum is 8" w.c.
12. MDAQMD Permit Number E009578; DIESEL IC ENGINE, EMERGENCY FIRE PUMP, consisting of:
One Clarke Detroit Diesel- Allison, Diesel fired internal combustion engine, Model No. DDFP-03N and Serial No. 3D212198, Direct Injected, producing 91 bhp with 3 cylinders at 3000 rpm while consuming a maximum of 6 gal/hr. This equipment powers a Pump.

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

- A. CONDITIONS APPLICABLE TO THE ENTIRE COMPRESSOR STATION AND EQUIPMENT:
1. A permit is required to operate this facility.
[Rule 203 - *Permit to Operate*; Version in State Implementation Plan (SIP) = California Air Resources Board (CARB) Ex. Order G-73, 40 Code of Federal Regulations (CFR) 52.220(c)(39)(ii)(B) - 11/09/78 43 Federal Register (FR) 52237; Current Rule Version = 07/25/77]
 2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
[Rule 207 - *Altering or Falsifying of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[Rule 217 - *Provision for Sampling And Testing Facilities*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[SIP Pending: Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 10/23/00; SIP Submitted 10/30/01; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]
10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]
11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees*; Applicable Version = Amended: 06/27/05 and effective 01/01/06), Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = Amended: 06/27/05 and effective 01/01/06), Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
13. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
 - (a) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.

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

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

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

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

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

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

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

[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

16. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM₁₀ Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved.

[SIP Pending: Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as amended 07/22/96 and submitted 10/18/96]

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

[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
18. Owner/Operator shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
 - (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
 - (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
19. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂), greater than or equal to 500 ppm by volume.

[Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]
20. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
 - (a) The provisions of this condition shall not apply to emissions from internal combustion engines.

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
21. Owner/Operator shall not build, erect, install, or use any equipment at this facility, the use

of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission that would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.

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

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

22. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes.

[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

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

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

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

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

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

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

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

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

(a) The purpose of the operation is to permit investigation, experiment, or research to

advance the state of knowledge or the state of the art; and

- (b) The APCO has given written prior approval that shall include limitation of time.
[SIP: Not SIP: Rule 441 – *Research Operations* Disapproved 1/16/81 and 40 CFR 52.272(a)(9)(i)]

25. Owner/Operator of this facility shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced by at least 85% or to the following:
- (a) Organic materials that come into contact with flame or are baked, heat cured, or heat polymerized are limited to 1.4 kilograms (3.1 pounds) per hour not to exceed 6.5 kilograms (14.3 pounds) per day.
 - (b) Organic materials emitted into the atmosphere from the use of photo-chemically reactive solvents are limited to 3.6 kilograms (7.9 pounds) per hour, not to exceed 18 kilograms (39.6 pounds) per day, except as provided in Rule 442, subsection (a)(1). All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
 - (c) Organic materials emitted into the atmosphere from the use of non-photo-chemically reactive solvents are limited to 36.8 kilograms (81 pounds) per hour not to exceed 272 kilograms (600 pounds) per day. All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
 - (d) The provisions of this condition shall not apply to the manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (e) The provisions of this rule shall not apply to:
 - (1) The manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (2) The use of equipment for which other requirements are specified by Rules 461, 462, 463, and 464 or which are exempt from air pollution control requirements by said rules.
 - (3) The spraying or other employment of organic solvents as insecticides, pesticides or herbicides.
 - (4) The use of water reducible materials, provided that:
 - (a) The volatile content of such material is not photo-chemically reactive and consists of at least 80 percent water by volume, and
 - (b) The organic solvent or any material containing organic solvent does not come into contact with flame.
 - (5) The use of high solid materials, provided that:
 - (a) The volatile content of such material is not photochemically reactive and does not exceed 20 percent by volume of said material, and
 - (b) More than 50 percent by volume of such volatile material is

- evaporated before entering a chamber heated above ambient application temperature, and
- (c) The organic solvent or any material containing organic solvent does not come into contact with flame.
- (6) The use of ultra high solid materials, provided that:
- (a) The volatile content of such material is not photo-chemically reactive and does not exceed 5 percent by volume of said material, and
 - (b) The organic solvent or any material containing organic solvent does not come into contact with flame.
- (7) The use of equipment or materials for which other requirements are specified in source specific rules of Regulation XI after the compliance dates specified in such source specific rules.
- (8) The use of 1-1-1 Trichloroethane.

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

26. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered “open outdoor fires” for the purposes of Rule 444 (reference Rule 444(B)(10)).
[Rule 444 – *Open Outdoor Fires*, Version in SIP = Current, 40 CFR 2.220(c)(42)(xiii)(A) and 40 CFR 52.273 (6)(12)(i)]
27. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning, and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.
 - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
- (c) Cold Solvent Degreasers - Freeboard Requirements:
- (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
 - (ii) *Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.*
 - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above

- 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
- (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one.
 - (d) Cold Solvent Degreasers - Cover Requirements:
 - (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.
 - (e) Cold Solvent Degreasers - Solvent Level Identification:
 - (i) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
 - (f) All Degreasers shall comply with the following operating requirements:
 - (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
 - (ii) Degreasers shall not be operating with any detectable solvent leaks.
 - (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 either pump recirculation, a mixer, or ultrasonics.
 - (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
 - (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
 - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
 - (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
 - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the volatile organic compound (VOC) limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
- (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
 - (i) Product name(s) used in the degreaser, and
 - (ii) The mix ratio of solvent compounds mixtures of solvents are used, and
 - (iii) VOC content of solvent or mixture of compounds as used, and
 - (iv) The total volume of the solvent(s) used for the facility, on a monthly basis, and
 - (v) The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
 - (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data are recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The

data shall be recorded in a manner as prescribed by the District.

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

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

28. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the applicable requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table I.
[Rule 1113 - *Architectural Coatings*; SIP: Submitted as amended 02/24/03 on _____; Submitted as amended 11/02/92 on 1/11/93; Approved: 6/9/82, 47 FR 25013, 40 CFR 52.220(c)(51)(xii)(B)]
29. Owner/Operator's use of *Metal Parts and Products Coatings* at this facility shall comply with the applicable requirements of Rule 1115, including the VOC limits specified in Rule 1115.
30. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*).
[SIP: Not SIP. Final Title V Program Approval 11/21/03 68 FR 65637; Partial Withdrawal of approval 10/15/02 67 FR 63551; Notice of Deficiency 05/22/02 67 FR 35990; Approval 12/17/01 66 FR 63503; Interim Approval 02/05/96 61 FR 4217]

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

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed

testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
 - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
 - (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement are sufficient.
[40 CFR 70.6(a)(3)(B) – *Periodic Monitoring Requirements*]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)] and in California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]
- 4 (a) Owner/Operator shall submit Compliance Certifications as prescribed by Rule 1203(F)(1) and Rule 1208, in a format approved by MDAQMD. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.
[40 CFR 70.6(c)(5)(i); Rule 1208; Rule 1203(D)(1)(vii-x)]
- (b) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
- (c) Owner/Operator shall comply with any additional certification requirements as specified in 42 United States Code (U.S.C.) §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[Rule 1203 (D)(1)(g)(x)]
- (d) On an *annual* basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule

1203. Each report shall be certified to be true, accurate, and complete by "The Responsible Official" and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.
[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(v - x)]

5. Owner/Operator shall submit, on a semi-annual basis, a *Monitoring and Deviations Report* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring and Deviations Report* (covering a six month period) shall be submitted (1) no later than 30 days following the midpoint of the Federal Operating Permit Year (within 210 days following the Title 5 Permit anniversary date) and (2) as a separate report accompanying the *Annual Compliance Certification*. This *Monitoring and Deviations Report* shall be certified to be true, accurate, and complete by "The Responsible Official" and shall include the following information and/or data:
- (a) Summary of all reportable 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.
 - (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.
- [1203(D)(1)(c)(i - iii); 1203(D)(1)(d)(i); Rule 1203(D)(1)(e)(i - ii); Rule 1203(D)(1)(g)(v - x)]
6. Owner/Operator shall promptly report all deviations from Federal Operating Permit requirements including, but not limited to, any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation. [Rule 1203(D)(1)(e)(ii) and Rule 430(C)]
- Prompt reporting shall be determined as follows:
- (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District. [SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 2/24/95]
 - (b) For other deviations from permit conditions not involving excess emissions of air

contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 1203(D)(1)(e)(i)]

7. If any facility unit(s) should be determined not to be in compliance with any federally enforceable requirement during the 5-year permit term, then Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:
- (a) A narrative description of how the facility will achieve compliance with such requirements; and
 - (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
 - (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance. [Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

C. FACILITY-WIDE COMPLIANCE CONDITIONS:

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice. [40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.

[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]

3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[1203 (D)(1)(f)(ii)]
6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[Rule 1201 (I)(2); Rule 1203(D)(1)(g)(v)]
7. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61, subparts A and M]
8. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]
9. Owner/Operator shall notify the APCO/District, on an annual basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].
[40 CFR 61.145.b]

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

- A. CONDITIONS APPLICABLE TO TWO NATURAL GAS FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE DRIVERS; consisting of:
- a. MDAQMD Permit Number B005028
 - b. MDAQMD Permit Number B005029
1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. Owner/Operator shall operate this equipment in strict accord with manufacturer's specifications and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which the District permit was issued.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 4. These engines shall be fired on PUC quality natural gas only.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 5. Owner/Operator shall maintain a log of all inspections, repairs and maintenance on this equipment and submit it to the District, State or Federal personnel upon request. The log shall be kept for a minimum of five (5) years.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. Owner/Operator shall maintain all operating logs and records, current and on-site, for a minimum of 5 years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit and shall be provided to District, State or Federal personnel upon request. These Records shall include a copy of the PUC quality natural gas fuel specifications used to fuel engines.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements; see Part II and Part III conditions)
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1203(D)(1)(d)(ii)]
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. Owner/Operator shall conduct biennial compliance tests for engines listed in Part III, section A, in strict accord with the District's Compliance Test Procedural Manual commencing in 1999. These tests shall demonstrate compliance with the emission limitations listed in District Rule 1160 Alternative Compliance Plan dated/amended January 24, 1997 as approved by MDAQMD and listed in Part III, section A.8, below. The test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of the District permit in the year that testing is required.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 1160 - Internal Combustion Engines; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(3) - 11/01/96 61 FR 56470]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
8. Owner/Operator of this facility shall comply with Rule 1160 Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_x) and Carbon Monoxide (CO) emission limits for each IC engine specified in Part III, section A, as follows:
Emissions Standards
- (a) VOC Emissions - internal combustion engines subject to Rule 1160 shall not exceed 106 ppm_v* of Volatile Organic Compounds (VOCs).
 - (b) NO_x Emissions - internal combustion engines subject to Rule 1160 Alternative Control Plan dated/amended January 24, 1997 as approved by the MDAQMD, shall not exceed the following emission standards:
 - (i) Lean-burn Engines:

Oxides of Nitrogen (NO _x)	120 ppm _v *
Carbon Monoxide (CO)	4500 ppm _v *
 - (ii) The total emissions of NO_x from this equipment shall be limited to 105 tons per year, calculated on a rolling 12-month annual average. This equipment shall not emit at rates exceeding the following values in gm/bhp-hr at 330

rpm, 7250 bhp @ 100F ambient temperature:

Oxides of Nitrogen (NO _x)	1.5
Non-methane Hydrocarbons (NMHC)	0.5
Carbon Monoxide (CO)	2.0

Compliance with the annual average emission limit shall be determined by using fuel use data and the fuel use-based emission factor derived from the most recent MDAQMD compliance test, and calculating an arithmetic average of the previous 12 calendar months. Compliance with the hourly emission limits shall be determined using the most recent MDAQMD compliance test.

* All ppm_v limitations shall be referenced at 15 percent volume stack gas oxygen measured on a dry basis and averaged over 15 consecutive minutes.

[Rule 1160 - *Internal Combustion Engines*; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(3) - 11/01/96 61 FR 56470]

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

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

9. Owner/Operator of this facility shall comply with the following Rule 1160 Monitoring; Recordkeeping; Reporting and Testing Requirements:

(a) Monitoring

1. Operators of internal combustion engines subject to this rule shall conduct their inspections, which ever is the more frequent of, at least every calendar quarter or after every 2,000 hours of engine operation. In no event shall the frequency of inspection be less than once per year.
2. Compliance shall be verified at least once in every 12 months, unless otherwise specified by the District, by an emissions compliance test. At a minimum, emissions compliance testing shall be conducted for NO_x, VOC, CO and O₂ levels in compliance with the provisions of the District's Compliance Test Procedural Manual.

(b) Recordkeeping Requirements

The Owner/Operator shall maintain a log for each engine containing, at a minimum, the following data:

1. District ATC/PTO number, unit identification number and emissions control device identification number, when applicable.
2. Quarterly fuel use and quarterly hours of operation, on a calendar quarter basis.
3. The date and a summary of any emissions corrective maintenance taken.
4. Any additional information required in the facility's District approved Emission Control Plan, when applicable.
5. The operator shall maintain the logs on site for a period of 5 years after the date of

each entry. The log shall be provided to District, State or Federal personnel upon request.

(c) Test Methods

1. NO_x emissions for compliance tests shall be determined by EPA Method 7E.
2. CO emissions for compliance tests shall be determined by using EPA Method 10.
3. The measurement of VOC emissions shall be conducted in accordance with EPA Methods 18, 25 and/or 25A (40 CFR 60, Appendix A) as they exist on (date of adoption) and test procedures should be performed in accordance with a protocol approved by the APCO.
4. Oxygen content for compliance tests shall be determined by using EPA Method 3A.
5. Determination of the exempt compounds, shall be performed in accordance with ASTM Test Method D 4457-85 (Solvents and Coatings) and be consistent with the provisions set forth in the Federal Register (FR, Vol. 56, No. 52, March 18, 1991). Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies a specific compound or compounds from the broad classes of perfluorocarbons listed in 40 CFR 51.100(S)(1) as being present in the product or process. When such compounds are identified, the facility shall provide the test method to determine the amount(s) of the specific compound(s).

[Rule 1160 - *Internal Combustion Engines*; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(3) - 11/01/96 61 FR 56470]

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

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

B. CONDITIONS APPLICABLE TO FIVE NATURAL GAS FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE DRIVERS; consisting of:

- a. MDAQMD Permit Number B004699
 - b. MDAQMD Permit Number B004812
 - c. MDAQMD Permit Number B005021
 - d. MDAQMD Permit Number B005023
 - e. MDAQMD Permit Number B005027
1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. Owner/Operator shall operate this equipment in strict accord with manufacturer's specifications and/or sound engineering principles.

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

3. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which the District permit was issued.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. These engines shall be fired on PUC quality natural gas only.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Owner/Operator shall maintain a log of all inspections, repairs and maintenance on this equipment and submit it to the District, State or Federal personnel upon request. The log shall be kept for a minimum of five (5) years.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Owner/Operator shall maintain all operating logs and records, current and on-site, for a minimum of 5 years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit and shall be provided to District, State or Federal personnel upon request. These Records shall include a copy of the PUC quality natural gas fuel specifications used to fuel engines.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements; see Part II and Part III conditions*)
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1203(D)(1)(d)(ii)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. Owner/Operator shall conduct biennial compliance tests for engines listed in Part III, section B, in strict accord with the District's Compliance Test Procedural Manual commencing in 1999. These tests shall demonstrate compliance with the emission limitations listed in District Rule 1160 Alternative Compliance Plan dated/amended January 24, 1997 as approved by MDAQMD and listed in Part III, section B.8, below. The test results shall be submitted to the District not later than six (6) weeks prior to the

expiration date of the District permit in the year that testing is required.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 1160 - *Internal Combustion Engines*; Version in SIP = Current, 40 CFR
52.220(c)(207)(i)(D)(3) - 11/01/96 61 FR 56470]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring
Requirements, see Part II and Part III conditions*)

8. Owner/Operator of this facility shall comply with Rule 1160 Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_x) and Carbon Monoxide (CO) emission limits for each IC engine specified in Part III, section B, as follows:

Emissions Standards

- (a) VOC Emissions - internal combustion engines subject to Rule 1160 shall not exceed 106 ppm_v* of Volatile Organic Compounds (VOCs).
(b) NO_x Emissions - internal combustion engines subject to Rule 1160 shall not exceed the following emission standards:
(i) Lean-burn Engines:
- | | |
|---------------------------------------|-------------------------|
| Oxides of Nitrogen (NO _x) | 140 ppm _v * |
| Carbon Monoxide (CO) | 4500 ppm _v * |

* All ppm_v limitations shall be referenced at 15 percent volume stack gas oxygen measured on a dry basis and averaged over 15 consecutive minutes.

[Rule 1160 - *Internal Combustion Engines*; Version in SIP = Current, 40 CFR
52.220(c)(207)(i)(D)(3) - 11/01/96 61 FR 56470]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring
Requirements, see Part II and Part III conditions*)

9. Owner/Operator of this facility shall comply with the following Rule 1160 Monitoring; Recordkeeping; Reporting and Testing Requirements:

- (a) Monitoring
- Operators of internal combustion engines subject to this rule shall conduct their inspections, which ever is the more frequent of, at least every calendar quarter or after every 2,000 hours of engine operation. In no event shall the frequency of inspection be less than once per year.
 - Compliance shall be verified at least once in every 12 months, unless otherwise specified by the District, by an emissions compliance test. At a minimum, emissions compliance testing shall be conducted for NO_x, VOC, CO and O₂ levels in compliance with the provisions of the District's Compliance Test Procedural Manual.
- (b) Recordkeeping Requirements
The Owner/Operator shall maintain a log for each engine containing, at a minimum,

the following data:

1. District ATC/PTO number, unit identification number and emissions control device identification number, when applicable.
 2. Quarterly fuel use and quarterly hours of operation, on a calendar quarter basis.
 3. The date and a summary of any emissions corrective maintenance taken.
 4. Any additional information required in the facility's District approved Emission Control Plan, when applicable.
 5. The operator shall maintain the logs on site for a period of 5 years after the date of each entry. The log shall be provided to District, State or Federal personnel upon request.
- (c) Test Methods
1. NO_x emissions for compliance tests shall be determined by EPA Method 7E.
 2. CO emissions for compliance tests shall be determined by using EPA Method 10.
 3. The measurement of VOC emissions shall be conducted in accordance with EPA Methods 18, 25 and/or 25A (40 CFR 60, Appendix A) as they exist on (date of adoption) and test procedures should be performed in accordance with a protocol approved by the APCO.
 4. Oxygen content for compliance tests shall be determined by using EPA Method 3A.
 5. Determination of the exempt compounds, shall be performed in accordance with ASTM Test Method D 4457-85 (Solvents and Coatings) and be consistent with the provisions set forth in the Federal Register (FR, Vol. 56, No. 52, March 18, 1991). Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies a specific compound or compounds from the broad classes of perfluorocarbons listed in 40 CFR 51.100(S)(1) as being present in the product or process. When such compounds are identified, the facility shall provide the test method to determine the amount(s) of the specific compound(s).

[Rule 1160 - *Internal Combustion Engines*; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(3) - 11/01/96 61 FR 56470]

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

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

C. CONDITIONS APPLICABLE TO FIVE NATURAL GAS FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE DRIVERS; consisting of:

- a. MDAQMD Permit Number B005019
- b. MDAQMD Permit Number B005022
- c. MDAQMD Permit Number B005024
- d. MDAQMD Permit Number B005025
- e. MDAQMD Permit Number B005026

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. Owner/Operator shall operate this equipment in strict accord with manufacturer's specifications and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which the District permit was issued.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. These engines shall be fired on PUC quality natural gas only.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Owner/Operator shall maintain a log of all inspections, repairs and maintenance on this equipment and submit it to the District, State or Federal personnel upon request. The log shall be kept for a minimum of five (5) years.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Owner/Operator shall maintain all operating logs and records, current and on-site, for a minimum of 5 years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit and shall be provided to District, State or Federal personnel upon request. These Records shall include a copy of the PUC quality natural gas fuel specifications used to fuel engines.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements; see Part II and Part III conditions)
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1203(D)(1)(d)(ii)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

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

7. Owner/Operator of this facility shall comply with Rule 1160 Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_x) and Carbon Monoxide (CO) emission limits for each IC engine specified in Part III, section C, as follows:

Emissions Standards

- (a) IC engines identified in Part III, section C, are limited to 1500 hours cumulative operating time in any consecutive twelve (12) month period based on weekly readings. If any listed IC engine exceeds this operating time limit it must meet the emission limit defined in Part III, section C(8)(c) below.

- (b) Internal combustion engines subject to Rule 1160 shall not exceed the following emission standards, unless opting for the alternative NO_x emissions compliance strategy identified in Part III, section C(8)(b), above:

Oxides of Nitrogen (NO _x)	140 ppm _v *
Carbon Monoxide (CO)	4500 ppm _v *
Volatile Organic Compounds (VOC)	106 ppm _v *

*All ppm_v limitations shall be referenced at 15 percent volume stack gas oxygen measured on a dry basis and averaged over 15 consecutive minutes.

[Rule 1160 - *Internal Combustion Engines*; Version in SIP = Current, 40 CFR

52.220(c)(207)(i)(D)(3) - 11/01/96 61 FR 56470]

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

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

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

8. Owner/Operator of this facility shall comply with the following Rule 1160 Monitoring; Recordkeeping; Reporting and Testing Requirements:

(a) Monitoring

1. Operators of internal combustion engines subject to this rule shall conduct their inspections, which ever is the more frequent of, at least every calendar quarter or after every 2,000 hours of engine operation. In no event shall the frequency of inspection be less than once per year.
2. Compliance with emission limits or cumulative operating hour limits shall be verified at least once in every 12 months, by an emissions compliance test and/or operating logs as appropriate. At a minimum, emissions compliance testing shall be conducted for NO_x, VOC, CO and O₂ levels in compliance with the provisions of the District's Compliance Test Procedural Manual.

(b) Recordkeeping Requirements

The Owner/Operator shall maintain a log for each engine containing, at a minimum, the following data:

1. District ATC/PTO number, unit identification number and emissions control device identification number, when applicable.

2. Quarterly fuel use and quarterly hours of operation, on a calendar quarter basis.
 3. The date and a summary of any emissions corrective maintenance taken.
 4. Any additional information required in the facility's District approved Emission Control Plan, when applicable.
 5. The operator shall maintain the logs on site for a period of 5 years after the date of each entry. The log shall be provided to District, State or Federal personnel upon request.
- (c) Test Methods
1. NO_x emissions for compliance tests shall be determined by EPA Method 7E.
 2. CO emissions for compliance tests shall be determined by using EPA Method 10.
 3. The measurement of VOC emissions shall be conducted in accordance with EPA Methods 18, 25 and/or 25A (40 CFR 60, Appendix A) as they exist on (date of adoption) and test procedures should be performed in accordance with a protocol approved by the APCO.
 4. Oxygen content for compliance tests shall be determined by using EPA Method 3A.
 5. Determination of the exempt compounds, shall be performed in accordance with ASTM Test Method D 4457-85 (Solvents and Coatings) and be consistent with the provisions set forth in the Federal Register (FR, Vol. 56, No. 52, March 18, 1991). Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies a specific compound or compounds from the broad classes of perfluorocarbons listed in 40 CFR 51.100(S)(1) as being present in the product or process. When such compounds are identified, the facility shall provide the test method to determine the amount(s) of the specific compound(s).

[Rule 1160 - *Internal Combustion Engines*; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(3) - 11/01/96 61 FR 56470]

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

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

D. CONDITIONS APPLICABLE TO GASOLINE DISPENSING FACILITY (NON-RETAIL); MDAQMD PERMIT NUMBER N002573:

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. Owner/Operator shall not sale or supply for use within the District as a fuel for motor vehicles as defined by the Vehicle Code of the State of California, gasoline having a degree

of unsaturation greater than that indicated by a Bromine Number of 30 as determined by ASTM Method D1159-66.

[Rule 432 - *Gasoline Specifications*; Version in SIP = Current, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011]

3. Owner/Operator shall not transfer, permit the transfer or provide equipment for the transfer of gasoline into or from any tank truck, trailer, or railroad tank car into the gasoline storage tank unless the transfer is made to tank equipped as required in Rule 463 or unless all of the following conditions are met:
- (a) Tank is equipped with a permanent submerged fill pipe, and
 - (b) Such delivery vessel or tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board, and the facility's vapor recovery system shall be capable of recovering or processing 95% of the displaced gasoline vapors, and
 - (c) All vapor return lines are connected between the tank truck, trailer, or railroad tank car and the gasoline tank, and the vapor recovery system is in operation in accordance with the manufacturer's specifications, and the delivery vehicle, including all hoses, fittings, and couplings, is maintained in a vapor-tight condition, as defined by the applicable California Air Resources Board certification and test procedures (Part III, Section D, of Title V Permit), and all equipment is operated and maintained according to the manufacturer's specifications.
 - (d) Hatch openings are limited to no more than 3 minutes in duration for visual inspection, provided that pumping has been stopped for at least 3 minutes prior to opening, and the hatch is closed fully before pumping is resumed.
 - (e) All lines are gravity drained, in such a manner that upon disconnect no liquid spillage would be expected; and
 - (f) Equipment subject to this condition shall be operated and maintained, with no defects, as follows:
 - (i) All fill tubes are equipped with vapor-tight covers, including gaskets; and
 - (ii) All dry breaks have vapor-tight seals and are equipped with vapor-tight covers or dust covers; and
 - (iii) Coaxial fill tubes are operated so there is no obstruction of vapor passage from the storage tank back to the delivery vehicle; and
 - (iv) The fill tube assembly, including fill tube, fittings and gaskets, is maintained to prevent vapor leakage from any portion of the vapor recovery system; and
 - (v) All storage tank vapor return pipes without dry breaks are equipped with vapor-tight covers, including gaskets.

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

4. Owner/Operator shall not transfer, or permit the transfer, or provide equipment for the transfer of gasoline from the gasoline storage tank into any motor vehicle tank of greater than 19 liters (5 gallons) capacity unless:
- (a) The dispensing unit used to transfer the gasoline from the gasoline tank to the motor vehicle fuel tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board as capable of recovering 95% of the displaced gasoline vapors; and
 - (b) The vapor recovery system is operating in accordance with the manufacturer's specifications; and
 - (c) Equipment is operated and maintained with none of the following defects, pursuant to the definitions in California Administrative Code Section 94006, Subchapter 8, Chapter 1, Part III, of Title 17:
 - (i) Torn or cut boots;
 - (ii) Torn or cut face seals or face cones;
 - (iii) Loose or broken retractors;
 - (iv) Boots clamped or otherwise held in an open position;
 - (v) Leaking nozzles;
 - (vi) Loose, missing, or disconnected nozzle components, including but not limited to boots, face seals, face cones, check valve wires, diaphragm covers and latching devices;
 - (vii) Defective shutoff mechanisms;
 - (viii) Loose, missing, or disconnected vapor fuel hoses and associated components including but not limited to flow restrictors, swivels and anti-recirculation valves;
 - (ix) Crimped, cut, severed, or otherwise damaged vapor or fuel hoses;
 - (x) Missing, turned off, or otherwise not operating assist type vapor recovery systems, or any components of such systems;
 - (xi) Improper or non-"CARB certified" equipment or components;
 - (xii) Inoperative, severely malfunctioning or missing vacuum producing device;
 - (xiii) Inoperative, loose, missing or disconnected pressure/vacuum relief valves, vapor check valves or dry breaks.

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

5. Vapor processing or vapor recovery system used by Owner/Operator shall comply with all safety, fire, weights and measures, and other applicable codes and/or regulations.

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

6. Owner/Operator shall not install any new or rebuilt vapor recovery equipment unless the components and parts clearly identify by markings the certified manufacturing company and/or certified rebuilding company.

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

7. Vapor recovery system shall at all times be maintained in accordance with the manufacturer's specifications and the State's certification.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR
52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
8. When problems or defects are detected and are associated with any vapor recovery, storage, delivery vessel or dispensing equipment, other than a breakdown of the central vapor incineration or processing unit, the Owner/Operator shall at the end of the cycle, as defined in Rule 461, remove the equipment from service and not use the equipment until it has been repaired, replaced or adjusted as necessary to remove the problem or defect.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR
52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
9. Owner/Operator shall not perform or permit the "pump-out" (bulk transfer) of gasoline from the gasoline storage tank unless such bulk transfer is performed using a vapor recovery system capable of returning the displaced vapors from the delivery vessel or other container being filled back to the gasoline storage tank. This vapor recovery is not required where the container is to be removed or filled with water for testing. For visual inspections, the requirements of Part III, Section F, condition F.3.d. are applicable.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR
52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
10. Owner/Operator shall not store, or allow the storage of, gasoline in the gasoline storage tank unless the tank is equipped with a permanent submerged fill pipe and a certified vapor recovery system.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR
52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
11. Owner/Operator shall conspicuously post in the gasoline dispensing area the operating instructions, the District's toll-free telephone number for complaints and a District-specified warning sign.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR
52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
12. Owner/Operator shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461 as listed in Part III, Section D conditions. In addition, Owner/Operator shall maintain a leak inspection log containing, at a minimum, the following: inspector's name, location and description of component type where any leak is found; date of leak detection, emission level (ppm) if applicable, and date leak is

repaired. Such logs or records shall be maintained at the facility for a minimum of 5 years from the date the records were created and shall be made available to District, State or Federal personnel upon request.

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

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

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

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

13. Owner/Operator shall maintain a daily log of product throughput for gasoline dispensing facility.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

14. Any violation determined by any one of the following listed *Reference Method Tests* shall constitute a violation of the Part III, Section D conditions:
 - (a) Vapor recovery system and gasoline dispensing equipment shall be maintained leak-free as verified performing annual EPA Method 21 tests and monthly visual inspections. Vapor Tightness (Fugitive Vapor Leaks) for all equipment described in Part III, Section D, Condition 3(c) shall be determined by EPA Method 21 - *Determination of Volatile Organic Compounds Leaks*.
 - (b) Vapor Recovery System Efficiency for Delivery Vessels shall be determined by the EPA Method entitled, *Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems* (method specified in the CTG EPA-450/2-78-051), or the CARB Method entitled, *Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks*.
 - (c) Reid Vapor Pressure shall be determined in accordance with ASTM Method D 323-82.
 - (d) Vapor Recovery System Efficiency for Bulk Plants shall be determined by CARB Method 202, "*Certification of Vapor Recovery Systems - Bulk Plants*".
 - (e) Vapor Recovery System Efficiency for Terminals shall be determined by CARB Method 203, "*Certification of Vapor Recovery Systems - Gasoline Terminals*".
 - (f) Vapor Recovery System Efficiency for Service Stations shall be determined by the CARB Methods in "*Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations*".
 - (g) Pressure Decay test per CARB test method TP-201.3B, or the latest adopted version of the test method.
 - (h) Liquid Removal Test (if applicable) per TP-201.6, or latest version of the test method.

- (i) Emergency vents and manways shall be leak free when tested at the operating pressure of the tank in accordance with CARB test methods, as specified in Title 17, California Code of Regulations.

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

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

15. Compliance with the requirement of the Phase II system to be 95 % effective for the recovery of displaced vapors is considered to be demonstrated by performing annual EPA Method 21 tests (or other District approved EPA or CARB test methods) and monthly visual inspections, including maintaining equipment as specified in the applicable ARB Executive Order certifying the system and conditions listed in Part III, Section D conditions. A leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs or a reading as methane in excess of 10,000 ppm as determined using EPA Method 21.

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

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

16. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained on-site by the Owner/Operator for at least five (5) years from the date the records were created.

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

17. Owner/Operator shall post the following toll-free telephone number: 1-800-635-4617.

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

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

18. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the MDAQMD.

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

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

- E. CONDITIONS APPLICABLE TO WASTE OIL STORAGE TANK; MDAQMD PERMIT # T003332; consisting of:

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. This tank is limited to storing IC engine waste oil generated on-site by Pacific Gas & Electric.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. Owner/Operator shall log all shipments of oil to other parties and the hauler of said oil. Additionally, this log shall contain the mass (or volume) and the date of the oil shipment.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 4. All flanges, seals, pumps and other appurtenant equipment shall be installed and maintained to prevent the loss of volatile fractions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 5. Owner/Operator shall maintain and keep an operating log on-site for a minimum of five (5) years and provide it to District, State or Federal personnel on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- F. CONDITIONS APPLICABLE TO OIL WATER SEPARATOR; MDAQMD PERMIT # B004083; consisting of:
McTighe Industries model POWS-3000. Maximum design influent rate of 10,000 gal/day with oil recovery of approximately 290 gal/day. Tank is vented to the atmosphere with no controls. The flash point of the collected oil is approximately 200 degrees Fahrenheit, which should preclude significant emissions.
1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. Owner/Operator shall maintain and operate this equipment in strict accord with manufacturer/supplier recommendations and/or sound engineering principles, which produce the minimum emission of contaminants practicable.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

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

3. Owner/Operator shall maintain and keep an operating log on-site for a minimum of five (5) years and provide it to District, State or Federal personnel on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

G. CONDITIONS APPLICABLE TO PORTABLE ABRASIVE BLASTING SYSTEM;
MDAQMD PERMIT # A004607; consisting of:

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the original District permit application.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. This abrasive blast system shall only use steel and/or iron shot and/or grit; and/or abrasives that have been certified by the California Air Resources Board for dry unconfined usage (Cal. Code of Reg., Title 17, Section 92520).
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. The abrasive blast system shall be operated/maintained in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

H. CONDITIONS APPLICABLE TO TANK, PIPELINE LIQUID STORAGE; MDAQMD
PERMIT # T004503; consisting of:

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The o/o shall construct, operate, and maintain this equipment in strict accord with the

recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emission of contaminants practicable.

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

3. The o/o shall log the gallons of liquid disposed of from this tank in addition to the date of disposal. This log shall be maintained current, on-site for a minimum of five (5) years and provided to District, State or Federal personnel on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. The o/o shall only store waste liquids that accumulate in natural gas pipelines, which have a vapor pressure of less than 0.1 psi, and flash point of approximately 415 degrees Fahrenheit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. All flanges, seal pumps and other appurtenant equipment shall be maintained to prevent loss of volatile fractions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

I. CONDITIONS APPLICABLE TO FOUR NATURAL GAS FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE GENERATORS; consisting of:

- a. MDAQMD Permit Number B008886
- b. MDAQMD Permit Number B008887
- c. MDAQMD Permit Number B008888
- d. MDAQMD Permit Number B008889

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring

Requirements, see Part II and Part III conditions)

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

3. This equipment shall not be operated without venting through its properly operating non-selective catalytic reduction system.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. Emissions from this equipment to the atmosphere shall not exceed the following emission limits:
 - a. Hourly rates, verified by annual compliance tests:
 - i. NO_x as NO₂ – 0.36 lb/hr (averaged over one hour)
 - ii. VOC as CH₄ – 0.36 lb/hr
 - iii. PM₁₀ – 0.24 lb/hr
 - iv. SO_x – 0.009 lb/hr
 - v. CO – 1.43 lb/hr
 - b. Annual rates, based on a rolling 12-month summary, verified by fuel use and annual compliance tests:
 - i. NO_x – 3134 pounds/year
 - ii. VOC – 3134 pounds/year
 - iii. SO_x – 76 pounds/year
 - iv. PM₁₀ – 2090 pounds/year
 - iii. CO – 6 tons/year

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

5. Fuel consumption shall be monitored using a continuous monitoring system. The operator shall install, calibrate, maintain and operate this monitoring system according to a District-approved monitoring plan, and it shall be installed prior to initial equipment startup.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. The owner/operator (o/o) shall perform the following compliance tests every other year beginning in 2004 during the six-week commissioning period (commencing with first fire of this device) in accordance with the MDAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District no later than six weeks prior to the expiration date of this permit. The following compliance tests are required:
 - a. NO_x as NO₂ in lb/hr (measured per USEPA Reference Methods 19 and 20)
 - b. VOC as CH₄ in lb/hr (measured per USEPA Reference Methods 25A and 18)
 - c. CO in lb/hr (measured per USEPA Reference Method 10)

- e. PM_{10} in lb/hr (measured per USEPA Reference Methods 5 and 202 or CARB Method 5)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. The o/o shall maintain a log for this equipment, which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District personnel on request:
- a. Fuel consumption.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1203(D)(1)(d)(ii)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
8. This equipment shall not operate unless the engine crankcase is ventilated through a blower assisted mist eliminator.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]
- J. MDAQMD Permit Numbers T010081, and T010204; STORAGE TANK, ETHANOL, each consisting of:
1. The owner/operator (o/o) shall maintain a log of all inspections, repairs, and maintenance on equipment. Such logs or records shall be maintained at the facility for at least five (5) years and available to the District upon request. Additionally, a daily log containing the following minimum information is required:
- a) Tank input
b) Tank output
c) Average stored volume over the 24 hour period (midnight to midnight)
d) Storage and transfer temperatures of the organic liquid
e) A monthly summary of the throughput for the calendar year to date.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1203(D)(1)(d)(ii)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. Any modifications or changes to the piping or control fitting of the vapor recovery system require prior approval from the District.

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

3. The o/o shall perform the following tests within 60 days of construction completion and annually thereafter in accord with the following test procedures:
 - a. Static Pressure Decay Test per CARB test method TP-201.3B (2-inch test)
 - b. Emergency vents and manways shall be leak free when tested at the operating pressure of the tank in accordance with CARB test methods, as specified in Title 17, California Code of Regulations. The District shall be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests. The District shall receive passing test reports no later than six (6) weeks prior to the expiration date of this permit.

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

4. The o/o shall install, maintain, and operate this equipment in compliance with CARB Executive Order G-70-132-B, with the exception of the Phase II system, which is not required.

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

5. This storage system shall only be used for non-fuel storage of de-natured ethanol; the fueling of any contrivance from this tank is prohibited.

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

6. All tank loading and unloading shall occur utilizing properly functioning integral Phase I system.

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

K. MDAQMD Permit Number E009578; DIESEL IC ENGINE, EMERGENCY FIRE PUMP, consisting of:

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

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

2. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. This unit shall only be fired on diesel fuel whose sulfur concentration is less than or equal to 0.05% on a weight per weight basis, until September 1, 2006 when the sulfur concentration shall be 0.0015% or 15 ppm per CARB Diesel or equivalent requirements.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. The hour limit of Condition #6 can be exceeded when the emergency fire pump assembly is driven directly by a stationary diesel fueled CI engine when operated per and in accord with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 1998 edition. {Title 17 CCR 93115(c)16}
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. The o/o shall maintain a operations log for this unit current and on-site, either at the engine location or at a on-site location, for a minimum of two (2) years, and for another year where it can be made available to the District staff within 5 working days from the District's request, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- a. Date of each use and duration of each use (in hours);
- b. Reason for use (testing & maintenance, emergency, required emission testing);
- 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).

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

8. This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.

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

PART IV
STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

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

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

pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

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

PART V
OPERATIONAL FLEXIBILITY

ALTERNATIVE OPERATING SCENARIO(S):

A. OFF PERMIT CHANGES

- I. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
- A. Permittee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and
1. The proposed change is not:
 - a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See 1203(E)(1)(c)(i)d.]*
 - b. A modification under Title I of the Federal Clean Air Act; or
 - c. A modification subject to Regulation XIII; and *[See 1203(E)(1)(c)(i) d.]*
 - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See 1203(E)(1)(c)(i)c.]*
 - e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). *[See 1203(E)(1)(c)(i)e.]*
- II. Procedure for “Off Permit” Changes
- A. If a proposed “Off Permit Change” qualifies under Part V, Section (B)(I)(A)(1) above, permittee shall implement the change as follows:
1. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. *[See 1203(E)(1)(c)(i)b.]*
 2. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
 - a. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition; and *[See 1203(E)(1)(c)(i)b.]*
 - b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See 1203(E)(1)(c)(i)b.]*
 - c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. *[See 1203(E)(1)(c)(i)c.]*
 3. Permittee shall forward a copy of the application and notification to

USEPA upon submitting it to the District. *[See 1203(E)(1)(c)(i)a.]*

- B. Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See 1203(E)(1)(c)(i)a. and g.]*
- C. Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. *[See 1203(E)(1)(c)(i)f.]*
- D. Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). *[See 1203(E)(1)(c)(i)f.]*

III. Other Requirements:

- A. The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
 - B. The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)]*
- [Rule 1203(E)(1)(c)]

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

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

40CFR60, Standards of Performance for New Stationary Sources (NSPS)
40CFR60, Appendix F, Quality Assurance Procedures
40CFR61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
40CFR61, Subpart M, National Emission Standards for Asbestos
40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO₂ Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO₂ Emissions

B. Other conventions:

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

C. Abbreviations used in this permit are as follows:

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
CO ₂	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code

lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH ₃	ammonia
NMOC	non-methane organic compounds
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
O ₂	oxygen
pH	pH (acidity measure of solution)
PM ₁₀	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO _x	oxides of sulfur
SO ₂	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure