

Revised: February 2019



FEDERAL OPERATING PERMIT

Permit No.: **1500535**

Company: **Pacific Gas & Electric Company**

Facility: **Hinkley Compressor Station**

Issue date: **June 30, 2015**

Expiration date: **June 30, 2020**

**MOJAVE DESERT
AIR QUALITY
MANAGEMENT
DISTRICT**

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A handwritten signature in black ink, appearing to read 'BP' followed by a flourish, is written over a horizontal line.

Signed and issued by

BRAD POIRIEZ

EXECUTIVE DIRECTOR/

AIR POLLUTION CONTROL OFFICER

PERMIT REVISIONS

February 1, 2019, Minor Permit Modification, described as follows:

Part III A.5, B.6, I.5, J.3 revised to reflect the District’s policy (effective May 2017) on intervals between source tests as well as submittals and Part III (B.7) and Part III (C.6) revised to incorporate this facility’s updated alternative compliance strategy (ACS) (emission control plan (ECP)) in response to RACT amendments to District Rule 1160-*Internal Combustion Engines*. Details of this action are presented below.

On January 22, 2018, amendments were incorporated to District Rule 1160 in order to satisfy the requirements of 42 U.S.C. §§7511a. In order to comply with the updated Rule 1160, PG&E updated the ACS for the facility in order to generate an additional 10% emissions reduction from the baseline level of emissions established in 1991, for a total reduction of 88% from the 1991 baseline level. These updates include accepting a reduced aggregate annual limit of 2,600 hours of operation per 12-months starting December 1st and ending November 30th on engines K-2, K-5, K-6, K-8, and K-9, and lowering the NOx emission limit on engines K-1, K-3, K-4, K-7, and K-10 to 125 ppmv. No physical modifications are proposed for the engines to comply with the revised limits. The 2SLB engines affected by the ECP revisions are operated under the following MDAQMD PTOs:

K-1, B005021;	K-4, B005023;	K-7, B004699;	K-10, B005027.
K-2, B005022;	K-5, B005024;	K-8, B005025;	
K-3, B004812;	K-6, B005019;	K-9, B005026;	

In addition, the facility requests Alternate RO #2 be removed and Facility “site” contact be updated. The requirement to comply at the facility level was added to Part II.30 (note that the specific requirements of Rule 1160 as it applies to each individual ICE are currently in the permit in Part III). Lastly, minor formatting changes were made to improve program consistency.

Completed: April 22, 2019
Changes by C. Anderson

December 12, 2016, Administrative Permit Amendment described as follows:

Added two alternate Responsible Officials at the request of the facility (R. Trevino to B. Poiriez, December 9, 2016).

Updated cover page to reflect recent appointee of B. Poiriez as Executive Director.

August 12, 2015, Administrative Permit Amendment described as follows:

- Part III, Conditions I.1 and K.1: updated to include “and/or sound engineering principles” as described in Part III, Condition C.1.

- Part III, Condition I.3.a and b: Added clarification that SO₂ does not need to be verified by a biennial compliance test.
- Part III, Condition K.5: Update to state “The unit shall be limited to use for emergency fire water suppression, defined as in response to a fire or due to low fire water pressure.”

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PART I INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name: Pacific Gas & Electric Company

Facility Names: Hinkley Compressor Station

Facility Location: 35863 Fairview Road
Hinkley, CA 92347

Mailing Address: Pacific Gas & Electric Company
ATTN: Air Permits
P.O. Box 7640
San Francisco, CA 94120-7640

Federal Operating Permit Number: 1500535

MDAQMD Company Number: 15

MDAQMD Facility Number: 535

Responsible Official: Rolando Trevino
Vice President, Engineering & Design, Gas Operations
(925) 328-5933

Alternate Responsible Official: Jesus Soto
Senior Vice President, Gas Operations
(925) 244-3944

Facility "Site" Contact(s): Travis Hacker
Title??
(760) 253-7865

Facility "Off Site" Contact: Valeri Hirst
Senior Environmental Field Specialist
760-253-7847
vjh5@pge.com

Nature of Business: Natural Gas Compressor Station

SIC/NAICS Code: 4922/221210 – Natural Gas Pipeline

Facility Coordinates 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 (K1 through K12), consisting of:

- (a) MDAQMD Permit Number B005021, Cooper-Bessemer Model GMW 10, serial number 42588, 2500 bhp, 10 cylinder, two cycle, lean burn, turbocharged and aftercooled internal combustion engine, equipped with high pressure fuel injection and driving compressor K-1.
- (b) MDAQMD Permit Number B005022, Cooper-Bessemer Model GMW 10, serial number 42589, 2500 bhp, 10 cylinder, two cycle, lean burn, naturally aspirated internal combustion engine, driving compressor K-2.
- (c) MDAQMD Permit Number B004812, Cooper-Bessemer Model GMW 10, serial number 42590, 2500 bhp, 10 cylinder, two cycle, lean burn, turbocharged and aftercooled internal combustion engine, equipped with a pre-combustion chamber and driving compressor K-3.
- (d) MDAQMD Permit Number B005023, Cooper-Bessemer Model GMW 10, serial number 42592, 2500 bhp, 10 cylinder, two cycle, lean burn, turbocharged and aftercooled internal combustion engine, equipped with high pressure fuel injection and driving compressor K-4.

- (e) MDAQMD Permit Number B005024, Cooper-Bessemer Model GMW 10, serial number 42591, 2500 bhp, 10 cylinder, two cycle, lean burn, naturally aspirated internal combustion engine, driving compressor K-5.
 - (f) MDAQMD Permit Number B005019, Cooper-Bessemer Model GMW 10, serial number 42594, 2500 bhp, 10 cylinder, two cycle, lean burn, naturally aspirated internal combustion engine, driving compressor K-6.
 - (g) MDAQMD Permit Number B004699, Cooper-Bessemer Model GMW 10, serial number 42593, 2500 bhp, 10 cylinder, two cycle, lean burn, turbocharged and aftercooled internal combustion engine, equipped with a pre-combustion chamber and driving compressor K-7.
 - (h) MDAQMD Permit Number B005025, Cooper-Bessemer Model GMW 10, serial number 43129, 2500 bhp, 10 cylinder, two cycle, lean burn, naturally aspirated internal combustion engine, driving compressor K-8.
 - (i) MDAQMD Permit Number B005026, Cooper-Bessemer Model GMW 10, serial number 43128, 2500 bhp, 10 cylinder, two cycle, lean burn, naturally aspirated internal combustion engine, driving compressor K-9.
 - (j) MDAQMD Permit Number B005027, Manufactured in 1953, two cycle lean burn turbocharged and aftercooled equipped with high pressure fuel injection, Cooper-Bessemer model CMWTC, Serial No. 43127, rated at 3500 bhp and drives compressor K-10.
 - (k) MDAQMD Permit Number B005028, Cooper-Bessemer Model 16W-330, serial number 47022, 7250 bhp, 16 cylinder, two cycle, lean burn, turbocharged and aftercooled internal combustion engine, equipped with a pre-combustion chamber and driving compressor K-11.
 - (l) MDAQMD Permit Number B005029, Cooper-Bessemer Model 16W-330, serial number 47023, 7250 bhp, 16 cylinder, two cycle, lean burn, turbocharged and aftercooled internal combustion engine, equipped with a pre-combustion chamber and driving compressor K-12.
2. Reserved.
3. Reserved.
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 7,150 gallon fixed roof cylindrical tank 8 ft in diameter and 18.42 ft high.

6. Reserved.
7. MDAQMD Permit Number B008886; Natural Gas IC Engine Generator (P-6), consisting of:
Waukesha, Model L7042GSI, Serial Number: C-94583/1, 1083 bhp, 12 cylinder, turbocharged and aftercooled natural gas-fired four stroke rich burn engine driving a 767 kw electrical generator P-6, equipped with a non-selective catalytic reduction exhaust treatment system and with a Continuous Parameter Monitoring System (CPMS).
8. MDAQMD Permit Number B008887; Natural Gas IC Engine Generator (P-7), consisting of:
Waukesha, Model L7042GSI, Serial Number: C-94583/2, 1083 bhp, 12 cylinder, turbocharged and aftercooled natural gas-fired four stroke rich burn engine driving a 767 kw electrical generator P-7, equipped with a non-selective catalytic reduction exhaust treatment system and with a Continuous Parameter Monitoring System (CPMS).
9. MDAQMD Permit Number B008888; Natural Gas IC Engine Generator (P-8), consisting of:
Waukesha, Model L7042GSI, Serial Number: C-94583/3, 1083 bhp, 12 cylinder, turbocharged and aftercooled natural gas-fired four stroke rich burn engine driving a 767 kw electrical generator P-8, equipped with a non-selective catalytic reduction exhaust treatment system and with a Continuous Parameter Monitoring System (CPMS).
10. MDAQMD Permit Number B008889; Natural Gas IC Engine Generator (P-9), consisting of:
Waukesha, Model L7042GSI, Serial Number: C-94583/4, 1083 bhp, 12 cylinder, turbocharged and aftercooled natural gas-fired four stroke rich burn engine driving a 767 kw electrical generator P-9, equipped with a non-selective catalytic reduction exhaust treatment system and with a Continuous Parameter Monitoring System (CPMS).
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.
12. MDAQMD Permit Number E009578; DIESEL IC ENGINE, EMERGENCY FIRE PUMP, FP-1, 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*]
2. The equipment at this facility shall not be operated contrary to the federally enforceable conditions specified in the District Permit to Operate. Conditions which are not federally enforceable will be notated as such in this permit.
[Rule 203 - *Permit to Operate*]
3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*]
5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*]
6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
[Rule 207 - *Altering or Falsifying of Permit*]
7. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*]
8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[Rule 217 - *Provision for Sampling and Testing Facilities*]

9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[SIP Pending: Rule 219 - *Equipment Not Requiring a Written Permit*]
10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*]
11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees*]
12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[Rule 312 - *Fees for Federal Operating Permits*]
13. 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 the emergency fire pump is fired on California low sulfur diesel fuel, periodic monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emission limit.[Rule 204 - *Permit Conditions*; Rule 401 – *Visible Emissions*]
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*]

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*]
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*]
17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
 - (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
 - (b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
 - (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.[Rule 404 - *Particulate Matter Concentration*]
18. Owner/Operator shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
 - (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
 - (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.[Rule 405 - *Solid Particulate Matter, Weight*]
19. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂), greater than or equal to 500 ppm by volume.
[Rule 406 - *Specific Contaminants*]
20. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
 - (a) The provisions of this condition shall not apply to emissions from internal combustion engines.[Rule 407 - *Liquid and Gaseous Air Contaminants*]
21. Owner/Operator shall not build, erect, install, or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the

atmosphere, reduces or conceals an emission that would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.

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

[Rule 408 - *Circumvention*]

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

[Rule 409 - *Combustion Contaminants*]

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

- (a) Any breakdown that results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
- (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
- (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
- (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
- (e) If the breakdown occurs outside normal District working hours, the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the APCO.

[Rule 430 - *Breakdown Provisions*]

24. 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.

[Rule 441 - *Research Operations*]

25. Owner/Operator of this facility shall comply with all applicable requirements of Rule 442 and must meet the following emission and operating requirements:
- (a) Shall not discharge VOCs into the atmosphere from all VOC containing materials, equipment, or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month at this Facility.
 - (i) Compliance with the VOC limit above may be obtained through use of any of the following or any combination thereof:
 - a. Product reformulation or substitution;
 - b. Process changes;
 - c. Improvement of operational efficiency;
 - d. Development of innovative technology;
 - e. operation of emission collection and control system that reduces overall emissions by eighty-five percent (85%).
 - (b) Shall not discharge into the atmosphere a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average. For purposes of VOC quantification, discharge shall include a drying period of 12 hours following the application of such non-VOC solvents.
 - (c) The provisions of this condition shall not apply to:
 - (i) The manufacture, transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (ii) The emissions of VOCs from VOC-containing materials or equipment which are subject to District Regulation IV rules or which are exempt from air pollution control requirements by such rules.
 - (iii) The use of pesticides including insecticides, rodenticides or herbicides.
 - (iv) The use of 1,1,1 trichloroethane, methylene chloride and trichlorotrifluoroethane.
 - (v) Aerosol products.
 - (vi) VOC containing materials or equipment which is not subject to VOC limits of any rule found in District Regulation XI – Source Specific Standards.
 - (d) Owner/operator shall maintain daily usage records for all VOC-containing materials subject to this condition. The records shall be retained for five years and be made available upon request. VOC records shall include but not be limited to:
 - (i) The amount, type and VOC content of each solvent used; and
 - (ii) The method of application and substrate type; and
 - (iii) The permit units involved in the operation (if any).
 - (e) Determination of VOC Content in Solvent-containing materials, Presence of VOC in Clean-up Materials, or Determination of Efficiency of Emission Control Systems must be made in accordance with methods and provisions of District Rule 442.
[Rule 442 – *Usage of Solvents*]
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)(9)).

[Rule 444 – *Open Outdoor Fires*]

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 District Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under District 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 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*]

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 District Rule 1113, part C, Table 1.

[Rule 1113 - *Architectural Coatings*]

29. Owner/Operator's use of Metal Parts and Products Coatings at this facility shall comply with the applicable requirements of District Rule 1115, including the VOC limits specified in District Rule 1115(C).

[Rule 1115- *Metal Parts and Products Coatings Operations*]

30. Owner/Operator use of Internal Combustion Engines at this facility shall comply with the applicable requirements of District Rule 1160.

[Rule 1160 – *Internal Combustion Engines*]

31. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*).
32. The permit holder shall submit an application for renewal of this Title V Permit at least six (6) months, but no earlier than eighteen (18) months, prior to the expiration date of this Federal operating permit (FOP). If an application for renewal has not been submitted and deemed complete in accordance with this deadline, the facility may not operate under the (previously valid) FOP after this FOP expiration date. If the permit renewal has not been issued by this FOP expiration date, but a timely application for renewal has been submitted and deemed complete in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application.
[Rule 1202(B)(3)(b)(i); Rule 1202(E)(2)(a)]

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.
[Rule 1203(D)(1)(d)(ii); 40 CFR 70.6(a)(3)(ii)(B)]
2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's Compliance Test Procedural Manual. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.
[Rule 204 - *Permit Conditions*]
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). The sulfur content of natural gas shall be determined by using of PG&E's CPUC-approved tariff, Gas Rule 21. Vendor data meeting this requirement are sufficient.

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

[Rule 204 - *Permit Conditions*]

[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. 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)(g)(vii-x)]

- (a) 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)]

- (b) 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)]

- (c) Owner/operator shall submit a Compliance Certification Report to the APCO/District on an annual basis pursuant to District Rule 1203. The Compliance Certification Report shall cover the 12-month period from November 1st to October 31st, and be postmarked no later than 30 days after the end of the reporting period. 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 9 Administrator.

[40 CFR 72.90 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 9 Administrator. Each Monitoring and Deviations Report shall cover the periods from November 1st to May 1st and from May 2nd to October 31st, and be postmarked no later than 30 days after the end of the reporting period. 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 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. [Rule 1203(D)(1)(c)(i - iii); Rule 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.

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

6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[Rule 1201(I)(2); Rule 1203(D)(1)(g)(v)]
7. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61, subparts A and M]
8. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]
9. Owner/Operator shall notify the APCO/District, on an annual basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M.
[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 (K-11, K-12); consisting of:
- a. MDAQMD Permit Number B005028
 - b. MDAQMD Permit Number B005029
1. Owner/Operator shall operate this equipment in strict accord with manufacturer's specifications and/or sound engineering principles.
[Rule 204 - *Permit Conditions*]
 2. 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.
[Rule 204 - *Permit Conditions*]
 3. These engines shall be fired on PUC quality natural gas only.
[Rule 431 – *Sulfur Content of Fuels*]
 4. 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.
[Rule 1203(D)(1)(d)(ii)]
 5. 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)(ii)(B); Rule 1203(D)(1)(d)(ii); Rule 204 - *Permit Conditions*]
 6. Owner/Operator shall conduct compliance tests at least once every twenty-four (24) months for engines listed in Part III, section A 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 owner/operator must submit a source test protocol at least thirty (30) days prior to the scheduled source test date for District review and approval, and the owner/operator must conduct all required tests in accordance with the District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the first day of testing so that an observer may be present. The final source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov [Rule 1160(E)(1)(b)] [40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements, see Part II and Part III conditions*)

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 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 * (based on 1.5 g/bhp-hr) |
| 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 sum. This equipment shall not emit at rates exceeding the following values in gm/bhp-hr at nominal full load:
- | | |
|---------------------------------------|-----|
| Oxides of Nitrogen (NO _x) | 1.5 |
| Non-methane Hydrocarbons (NMHC) | 0.5 |
| Carbon Monoxide (CO) | 2.0 |

Compliance with the annual 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 a rolling sum 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; Regulation XIV - Emission Reduction Credit Banking (in the case of NO_x and NMHC limits)*]

[40 CFR 70.6 (a)(3)(i)(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, and the most recent District approved version of the Emission Control Plan (ECP) for Hinkley Compressor Station. A copy of the most recent District approved ECP must be maintained on site and provided to District personnel upon request:
- (a) Monitoring
1. O/o shall comply using monitoring provisions of the most recent District approved version of the Emission Control Plan (ECP) for Hinkley Compressor Station [Rule 1160(E)(1)(a)]
- (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*]

[40 CFR 70.6 (a)(3)(i)(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 LEAN BURN INTERNAL COMBUSTION ENGINE DRIVERS (K-1, K-3, K-4, K-7, K-10); 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 operate this equipment in strict accord with manufacturer's specifications and/or sound engineering principles which produce the minimum emission of air contaminants.
[Rule 204 - *Permit Conditions*]
 2. 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.
[Rule 204 - *Permit Conditions*]
 3. These engines shall be fired on PUC quality natural gas only.
[Rule 431 - *Sulfur Content of Fuels*]
 4. 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.
[Rule 1203(D)(1)(d)(ii); Rule 204 - *Permit Conditions*]
 5. 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)(i)(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 204 - *Permit Conditions*]

6. Owner/Operator shall conduct compliance tests at least once every twenty-four (24) months for engines listed in Part III, section B, commencing in 1999. These tests shall demonstrate compliance with the emission limitations listed in the District approved Hinkley Compressor Station Emission Control Plan (December 2018) prepared pursuant to District Rule 1160 and as listed in Part III, section B.8, below. The owner/operator must submit a source test protocol at least thirty (30) days prior to the scheduled source test date for District review and approval, and the owner/operator must conduct all required tests in accordance with the District-approved test protocol.

The owner/operator must notify the District a minimum of ten (10) days prior to the first day of testing so that an observer may be present.

The final source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov [Rule 1160 - *Internal Combustion Engines*; 40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*, see Part II and Part III conditions)

7. Internal combustion engines with Facility ID/District permit numbers K-7(#B004699), K-3(#B004812), K-1(#B005021), K-4(#B005023), K-10(#B005027) shall not exceed the following emission standards:

(a)	VOC (as CH ₄)	106 ppm _v
(b)	NO _x (as NO ₂)	125 ppm _v
(c)	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(C)(1); 40 CFR 70.6 (a)(3)(i)(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, and the most recent District approved version of the Emission Control Plan (ECP) for Hinkley Compressor Station. A copy of the most recent District approved ECP must be maintained on site and provided to District personnel upon request:

- (a) Monitoring
1. O/o shall comply using monitoring provisions of the most recent District approved version of the Emission Control Plan (ECP) for Hinkley Compressor Station:
- (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*; Rule 204 - *Permit Conditions*; 40 CFR 70.6 (a)(3)(i)(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 LEAN BURN INTERNAL COMBUSTION ENGINE DRIVERS (K-2, K-5, K-6, K-8, K-9); 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 operate this equipment in strict accord with manufacturer's specifications and/or sound engineering principles which produce the minimum emission of air contaminants.
[Rule 204 - *Permit Conditions*]
 2. 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.
[Rule 204 - *Permit Conditions*]
 3. These engines shall be fired on PUC quality natural gas only.
[Rule 431 – *Sulfur Content of Fuels*]
 4. 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.
[Rule 1203(D)(1)(d)(ii)]
 5. 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)(i)(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 204 - *Permit Conditions*]
 6. Internal combustion engines with Facility ID/District permit numbers K-6 (#B005019), K-2(#B005022), K-5(#B005024), K-8(#B005025), K-9(#B005026), are limited to an annual limit of 2600 hours cumulative operating time per 12 months starting December 1st and ending November 30th based on weekly readings. If the 2600 hour cumulative operating time limit is exceeded, each IC engine must meet the emission limit defined below:
 - (a) VOC (as CH₄) 106 ppm_v
 - (b) NO_x (as NO₂) 125 ppm_v
 - (c) CO 4500 ppm_vAll 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(C)(3); Rule 1160(C)(1)]

7. Owner/Operator of this facility shall comply with the following Rule 1160 Monitoring; Recordkeeping; and Testing Requirements and the most recently District approved version of the Emission Control Plan (ECP) for Hinkley Compressor Station. A copy of the most recent District approved ECP must be maintained on site and provided to District personnel upon request:
- (a) Monitoring
 - 1. O/o shall comply using monitoring provisions of the most recent District approved version of the Emission Control Plan (ECP) for Hinkley Compressor Station:
 - (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*]

D. RESERVED

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

1. This tank is limited to storing IC engine waste oil generated on-site by Pacific Gas & Electric.
[Rule 204 - *Permit Conditions*]
2. 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*]
3. All flanges, seals, pumps and other appurtenant equipment shall be installed and maintained to prevent the loss of volatile fractions.
[Rule 204 - *Permit Conditions*]
4. 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 1203(D)(1)(d)(ii); Rule 204 - *Permit Conditions*]

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 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*]
2. 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 1203(D)(1)(d)(ii); Rule 204 - *Permit Conditions*]

G. RESERVED

H. RESERVED

I. CONDITIONS APPLICABLE TO FOUR NATURAL GAS FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE GENERATORS (P-6, P-7, P-8, P-9); consisting of:

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

1. This engine, and any associated air pollution control equipment, shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, and in a manner consistent with safety and good air pollution control practices for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[Rule 204; 40 CFR 63.6605(a); 63.6605 (b)]
2. This equipment shall not be operated without venting through its properly operating non-selective catalytic reduction system.
[Rule 204 - *Permit Conditions*; 40 CFR Part 64 (CAM applicable for NO_x); Rule 1303 – *Requirements (BACT)*]
3. Emissions from this equipment to the atmosphere shall not exceed the following emission limits:
 - a. Hourly rates, verified by biennial 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 as verified by most recent source test.
 - 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 biennial compliance tests:
 - i. NO_x – 3134 pounds/year
 - ii. VOC – 3134 pounds/year
 - iii. SO_x – 76 pounds/year, verified by fuel sulfur content and fuel use data
 - iv. PM₁₀ – 2090 pounds/year as verified by most recent source test.
 - iii. CO – 6 tons/year

[Rule 204 - *Permit Conditions*; 40 CFR Part 64 (NO_x Only); Rule 1303 – *Requirements (BACT Determination 7/13/2004)*]

4. Fuel consumption shall be monitored using a non-resettable totalizing fuel meter. The fuel meter shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier.
[Rule 204 - *Permit Conditions*; 40 CFR Part 64 (CAM applicable for NO_x); Rule 1303 – *Requirements (BACT)*]

5. The owner/operator (o/o) shall perform the following compliance tests at least once every twenty-four (24) months beginning in 2004 during the six-week commissioning period (commencing with first fire of this device). The owner/operator must submit a source test protocol at least thirty (30) days prior to the scheduled source test date for District review and approval, and the owner/operator must conduct all required tests in accordance with the District-approved test protocol.

The owner/operator must notify the District a minimum of ten (10) days prior to the first day of testing so that an observer may be present.

The final source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

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)
 - d. PM₁₀ in lb/hr (measured per USEPA Reference Methods 5 and 202 or CARB Method 5). PM₁₀ testing may be discontinued after the o/o has demonstrated compliance for two consecutive tests. If the o/o deviates from any of the operating limitations in conditions 1, 5 or 7, o/o must resume performance tests.
[Rule 1303 – *Requirements (BACT)*; 40 CFR Part 64 (Cam applicable for NO_x)]
-
6. 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.
 - b. Records of the occurrence and duration of each malfunction of operation and the actions taken to correct such malfunction of operation. [40 CFR 63.6655(a)]
 - c. Records of actions taken during periods of malfunction to minimize emissions in accordance with subpart 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control (if any) and monitoring equipment to its normal or usual manner of operation, and
 - d. Records of each instance in which the emission and operating limitations are not met. [63.6640 (b)]

[Rule 1303 – *Requirements (BACT)*; 40 CFR Part 64; 40 CFR Part 63 Subpart ZZZZ; 40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

7. This equipment shall not operate unless the engine crankcase is ventilated through a blower assisted mist eliminator.
[Rule 1303 – *Requirements (BACT)*; Rule 204 - *Permit Conditions*]
8. O/o must meet the following emission limitation, except during periods of startup. During periods of startup o/o must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.
 - a. Emissions of formaldehyde shall be either (1) reduced by 76% or greater or (2) limited to a concentration of 350 ppbv formaldehyde at 15 percent O₂ or less. Emission limit must be verified by initial performance test (retested whenever catalyst is changed). When electing to demonstrate compliance with the concentration limit, O/o must conduct subsequent performance tests semiannually (or as allowed by 40 CFR Part 63).
[40 CFR 63.6640; 63.6640 (b)]
9. O/o shall install and maintain a Continuous Parameter Monitoring System (CPMS) to continuously monitor and record catalyst inlet temperature.
[40 CFR 63.6625; 40 CFR Part 64 (CAM applicable for NO_x)]
10. Owner/operator shall create and follow a site-specific monitoring plan that addresses the monitoring system design, data collection, and quality assurance and quality control elements required by 40 CFR 63.6625(b)(1). [40 CFR Part 64 (CAM applicable for NO_x)]
11. Except during periods of startup, the o/o shall maintain the temperature of the exhaust so that the catalyst inlet temperature is greater than or equal to 750 degrees Fahrenheit (F) and less than or equal to 1250 degrees F. [40 CFR 63.6600(a), Table 1b; 40 CFR Part 64 (CAM applicable for NO_x)]
12. O/o shall measure the pressure drop across the catalyst once per month or as allowed by the district approved Alternative Monitoring Method. The difference in the pressure drop measured during the periodic monitoring and the baseline pressure drop shall not exceed 2 inches of water. The baseline pressure drop shall be established during the most recent compliance demonstration (for formaldehyde).
[40 CFR 63.6625; 40 CFR 63.8; 40 CFR Part 64 (CAM applicable for NO_x)]
13. Owner/operator must include the following in the semi-annual compliance reports required by Part II, section B, Condition 5;

- a. number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded; and
- b. a description of actions taken by the owner/operator during a malfunction to minimize emissions in accordance with §63.6605(b), including actions taken to correct a malfunction.
- c. If there are no deviations from any emission or operating limitations that apply to P-6, P-7, P-8, and P-9, a statement that there were no deviations from the emission or operating limitations during the reporting period.
- d. If there were no periods during which the CPMS was out-of-control, as specified in 40 CFR 63.8(c)(7), a statement that there were no periods during which the CPMS was out-of-control during the reporting period.

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)(i)(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 462- Organic Liquid Loading; Rule 204 - Permit Conditions]
2. Any modifications or changes to the piping or control fitting of the vapor recovery system require prior approval from the District.
[Rule 462- Organic Liquid Loading; Rule 204 - Permit Conditions]
3. The o/o shall perform the following tests within 60 days of construction completion and at least once every twelve (12) months 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.

[Rule 462- *Organic Liquid Loading*; Rule 204 - *Permit Conditions*]

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, and the PV valve, which 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.
[Rule 462- *Organic Liquid Loading*; Rule 204 - *Permit Conditions*]
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*]
6. All tank loading and unloading shall occur utilizing properly functioning integral Phase I system.
[Rule 462- *Organic Liquid Loading*; Rule 204 - *Permit Conditions*]
- K. MDAQMD Permit Number E009578; DIESEL IC ENGINE, EMERGENCY FIRE PUMP (FP-1), consisting of:
 1. This existing, diesel engine shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and or sound engineering principles, and in a manner consistent with safety and good air pollution control practices for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 63.6605(a) and (b) and 63.6625(e)]
 2. This unit shall only be fired on diesel fuel whose sulfur concentration is less than or equal to 0.0015% or 15 ppm per CARB Diesel or equivalent requirements.
[Rule 204 - *Permit Condition*;]
 3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[17 CCR 93115.10(d) and 40 CFR 63.6625(f)]
 4. The hour limit of Condition #5 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. [17 CCR 93115.3(n)]
 5. This unit shall be limited to use for emergency fire suppression, defined as in response to

a fire or due to low fire water pressure. 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. [17 CCR 93115.6(b)(3) and 40 CFR 63.6640(f)(ii)]

6. The o/o shall maintain an operations log for this unit current and on-site, either at the engine location or at an 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;
 - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log); and
 - e. Records of maintenance conducted and occurrence and duration of each malfunction and actions taken to return equipment to normal operation.

[Rule 204 - *Permit Conditions*; 40 CFR 63.6655]

7. O/o shall:
 - a. Change oil and filter every 500 hours of operation or annually or perform an oil analysis as specified in 40 CFR 63.6225(i), whichever comes first;
 - b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
 - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and
 - d. shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

[40 CFR 63.6625(h)]

PART IV STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITONS:

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:

1. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
 - A. Permittee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and
 1. The proposed change is not:
 - a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See 1203(E)(1)(c)(i)(b)2.]*
 - 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)(b)2.]*
 - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See 1203(E)(1)(c)(i)(b)1]*
 - 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)(b)3]*
2. 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.]*
3. Other Requirements:
- A. The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
 - B. The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)]*
- [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

D. State Implementation Plan (SIP) Table:

The SIP Table contains the origin and authority for each federally applicable requirement found in the Title V permit.

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

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

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District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
			approval 02/05/96 61 FR 4217		
401	<i>Visible Emissions</i>	SB - 7/25/1977R C - 2/4/1977 (subdivision (a))RC - 10/15/82 (subdivision (b))	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(C)]RC (a) - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)]RC (b) - [SIP: Approved 10/19/84, 49 FR 41028, 40 CFR 52.220(c)(127)(vii)(C)]	Y	
403	<i>Fugitive Dust</i>	SB - 7/25/1977 RC - 7/25/1977	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(B)] RC - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)]	Y	
403.2	<i>Fugitive Dust Control for the Mojave Desert Planning Area</i>	N/A	SIP Pending: as amended 07/22/1996 and submitted 10/18/1996	?	
404	<i>Particulate Matter Concentration</i>		[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
405	<i>Solid Particulate Matter, Weight</i>		[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A); Approved 6/14/78, 43 FR 25684, 40 CFR	Y	

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District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
			52.220(c)(32)(iv)(A)]		
406	<i>Specific Contaminants</i>	SB - 7/25/1977 (subdivision (a)) RC - None	SB - [SIP: Approved, 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
407	<i>Liquid and Gaseous Air Contaminants</i>	5/7/76	SB - [SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C)] RC - [Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
408	<i>Circumvention</i>	5/7/76	[SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
409	<i>Combustion Contaminants</i>	5/7/76	[SIP: Approved 9/8/78; 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
430	<i>Breakdown Provisions</i>	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	

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District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
431	<i>Sulfur Content of Fuels</i>	SB - 10/8/1976 RC - ?	SB - [SIP: Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(B) and 40 CFR 52.220(c)(39)(ii)(B) RC - [SIP: Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(C), 40 CFR 52.220(c)(39)(iv)(C), and 40 CFR 52.220(c)(39)(vi)(B)]	Y	
441	<i>Research Operations</i>		SIP: Not SIP: District Rule 441 – Research Operations Disapproved 1/16/81 and 40 CFR 52.272(a)(9)(i)]	N	
442	<i>Usage of Solvents</i>	2/27/06	[SIP: Approved 09/17/2007, 72 FR 52791, 40 CFR 52.220(c)(347)(i)(C)(1)]	Y	
444	<i>Open Outdoor Fires</i>	9/25/06	[SIP: Approved 10/31/2007, 72 FR 61525, 40 CFR 52.220(c)(350)(B)(1)]	Y	
1104	<i>Organic Solvent Degreasing Operations</i>	9/28/94	[SIP: Approved: 4/30/96, 61 FR 18962, 40 CFR 52.220(c)(207)(I)(D)(2)]	Y	
1113	<i>Architectural Coatings</i>	4/23/12	[SIP: Approved: 1/03/14, 79 FR 364, 40 CFR 52.220(c)(428)(i)(C)]	Y	
1114	<i>Wood Products Coating</i>	11/25/96	[SIP: Approved: 08/18/98, 63 FR 44132, 40 CFR	Y	

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District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
	<i>Operations</i>		52.220(c)(244)(i)(C); Approved 61 FR 18962, 04/30/96]		
1115	<i>Metal Parts and Products Coating Operations</i>	4/22/96	[SIP: Approved 12/23/97, 62 FR 67002, 40 CFR 52.220(c)(239)(i)(A)(2)]	Y	
1116	<i>Automotive Finishing Operations</i>	8/23/10	[SIP: Approved 8/9/12, 77 FR 47536, 40 CFR 52.220(c)(388)(i)(F)(1)]	Y	
1160	<i>Internal Combustion Engines</i>	1/22/18	SIP Pending 5/28/18	Y	RACT update-CARB submittal date to EPA 5/28/18.
1302	<i>NSR - Procedure</i>	3/25/96	[SIP: Approved 11/13/1996, 61 FR 58133, 40 CFR 52.220(c)(239)(i)(A)(1)]	Y	
Regulation XII	<i>Federal Operating Permits</i>		SIP: Not SIP. Final Title V Program Approval 11/21/03 68 FR 65637; Partial Withdrawal of approval 10/15/02 67 FR 63551; Notice of Deficiency 05/22/02 67 FR 35990; Approval 12/17/01 66 FR 63503; Interim Approval 02/05/96 61 FR 4217]		