Federal Operating Permit

Permit No.: **1500535**

Company: **Pacific Gas & Electric Company**

Facility: **Hinkley Compressor Station**

Issue date: **TBD**

Expiration date: **TBD**

Mojave Desert Air Quality Management District

14306 Park Avenue
Victorville, CA 92392-2310
760.245.1661 • Fax 760.245.2022
Email: **permitting@MDAQMD.ca.gov**

www.MDAQMD.ca.gov • @MDAQMD

Signed and issued by
Brad Poiriez
Executive Director/
Air Pollution Control Officer

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**

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PERMIT REVISIONS

2020 FOP Renewal, described as follows:
PG&E applied for renewal of their Federal Operating Permit pursuant to the provisions of District Regulation XII. A discussion of the terms and conditions for the renewal of this permit is presented in the District's Statement of Basis and Preliminary Determination/Decision.

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 IDEN~~DI~~TI~~F~~YING INFORMTATION:

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~~Christine Cowsert Vice President, ~~Engineering & Design, Gas Operations~~Gas Asset Management & System Operations (925) ~~328-5933~~244-4600
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.

PG&E Hinkley is subject to Title V because it is a major source for emissions of NOx, VOC, CO, and GHGs because potential emissions are greater than 100 tons per year; and HAPs because potential emissions are greater than 10 tons per year for formaldehyde.

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.~~

2~~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.

3~~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.

4~~6~~. ~~Reserved.~~

~~4~~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).

5~~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).

6~~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).

7~~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).

8~~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.

9~~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.

10. MDAQMD Permit Number B013816; NATURAL GAS POWERED PNEUMATIC DEVICES, consisting of:
Pneumatic Device means an automation device that uses natural gas, compressed air, or electricity to control a process.

Intermittent Bleed Pneumatic Devices means the intermittent venting of natural gas from a gas

powered pneumatic device to the atmosphere. Intermittent bleed pneumatic devices may vent all or a portion of their supply gas when control action is necessary but do not vent continuously.
The following counts are subject to change as facility performs updates.
Thirty-five (35) Intermittent Bleed Pneumatic Devices
Five (5) Separator

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~~District 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~~District Rule 203 - *Permit to Operate*]

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

4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[~~Rule~~District 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~~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~~District Rule 207 - *Altering or Falsifying of Permit*]

7. Permits are not transferable.
[~~Rule~~District 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~~District 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~~District Rule 219 and meets the applicable criteria contained in ~~Rule~~District Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[SIP Pending: ~~Rule~~District 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~~District Rule 221 - *Federal Operating Permit Requirement*]

11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[~~Rule~~District Rule 301 - *Permit Fees*]

12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[~~Rule~~District 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~~District Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.
    (b) While 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~~District Rule 401 Visible Emission limit.
[~~Rule~~District Rule 204 - *Permit Conditions;* ~~Rule~~District 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~~District Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be kept on-site and available for review by District, state, or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent.
[40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*~~;~~]
~~[~~[~~Rule~~District 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~~District Rule 403 - *Fugitive Dust*]

16. Owner/Operator shall comply with the applicable requirements of ~~Rule~~District Rule 403.2 unless an "Alternative PM_{10} Control Plan" (ACP) pursuant to ~~Rule~~District Rule 403.2(G) has been approved.
[SIP Pending: ~~Rule~~District 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~~District Rule 404, Table 404 (a).
    (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
    (b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
    (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
    [~~Rule~~District 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~~District Rule 405, Table 405(a).
    (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
    (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
    [~~Rule~~District Rule 405 - *Solid Particulate Matter, Weight*]

19. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO_2), greater than or equal to 500 ppm by volume.
    [~~Rule~~District 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.
    [District 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~~District Rule 408 - *Circumvention*]

22. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO_2) at standard conditions averaged over a minimum of 25 consecutive minutes.

[~~Rule~~District 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~~District Rule 430 - *Breakdown Provisions*]

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

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

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

[~~Rule~~District Rule 441 – *Research Operations*]

25. Owner/Operator of this facility shall comply with all applicable requirements of ~~Rule~~District 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 trichlorotrifluroethane.
(v) Aerosol products.
(vi) VOC containing materials or equipment which are~~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~~District Rule 442 – *Usage of Solvents*]

26. Owner/Operator shall not set open outdoor fires unless in compliance with ~~Rule~~District Rule 444. Outdoor fires burned according to an existing District permit are not considered "open outdoor fires" for the purposes of ~~Rule~~District Rule 444 (reference ~~Rule~~District Rule 444(B)(9)).
[~~Rule~~District Rule 444 – *Open Outdoor Fires*]

27. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of ~~Rule~~District Rule 1104 when engaged in wipe cleaning, cold

solvent cleaning, and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. Some of t~~T~~hese requirements are listed as follows:

(a) VOC Content

(i) An Owner/Operator shall not use a Solvent with a VOC content that exceeds 25 grams of VOC per liter, as applied, for cleaning or surface preparation in any operation subject to District Rule 1104.

(ii) As an alternative to, or in lieu of, the 25 grams of VOC per liter requirement indicated above, an Owner/Operator may use cleaning materials with a VOC composite vapor pressure limit of 8 millimeters of mercury (mmHg) or less at 20 degrees Celsius.

(b) Control Equipment

(i) Owners and/or Operators may comply with subsection (C)(1)(a) of District Rule 1104 by using approved air pollution Control Equipment provided that the VOC emissions from such operations and/or materials are reduced in accordance with the following:

a. The Control Equipment shall reduce emissions from an emission collection system by at least 95 percent (95%), by weight, or by reducing the output of the air pollution Control Equipment to less than 25 ppm calculated for carbon with no dilution; and

b. The Owner/Operator demonstrates that the system collects at least 90 percent (90%), by weight, of the emissions generated by the sources of emissions.

(c) Cleaning Equipment and Method Requirements

(i) An Owner/Operator shall not perform Solvent cleaning unless one of the cleaning devices or methods contained in subsections a. through e. below is used, and the applicable requirements in subsections f. through k. below are used:

a. Wipe Cleaning;

b. Closed containers or hand held spray bottles from which Solvents are applied without a propellant-induced force;

c. Cleaning Equipment which as a Solvent container that can be, and is closed during non-operation with the exception of maintenance and repair to the Equipment itself;

d. Non-atomized Solvent flow method where the cleaning Solvent is collected in a container or a collection system which is closed except for Solvent collection openings and, if necessary, openings to avoid pressure build-up inside the container; or

e. Solvent flushing method where the cleaning Solvent is discharged into a container which is closed except for Solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container. The discharged Solvent from the Equipment must be collected into containers without atomizing into the open air. The Solvent may be flushed through the system by air or hydraulic pressure, or by pumping.

f. All Degreasers shall be equipped with the following:

1. An apparatus or cover(s) which reduces Solvent Evaporation, except for Remote Reservoirs.
2. A permanent, conspicuous label summarizing the applicable operating requirements contained in subsection (C)(4) of District Rule 1104. In lieu of a label, operating instructions may be posted near the Degreaser where the Operators can access the proper operating requirements of District Rule 1104.

g. Remote Reservoirs shall be equipped with the following:
1. A sink, platform or work area which is sloped sufficiently towards a drain to prevent pooling of Solvent within the work area.
2. A single or total drain hole area, not larger than 100 square centimeters (15.5 square inches) in area, for the Solvent to flow from the sink (platform/work area) into the Enclosed Reservoir.
3. If High Volatility Solvent is used, a drain cover/plug/closure device or a cover for placement over the top of the sink (platform/work area), when the Equipment is not being used, cleaned or repaired.
4. A minimum sink depth of six (6) inches, as measured from the top of the drain to the top of the side of the sink.

h. Cold Solvent Degreasers - Freeboard Requirements:
1. Cold Solvent Degreasers using only Low Volatility Solvents which are not agitated, shall operate with a Freeboard Height of not less than six (6) inches.
2. 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.
3. Any Cold Solvent Degreasers using Solvent which is agitated, or heated above 50 degrees Celsius (120 degrees Fahrenheit) shall operate with a Freeboard Ratio equal to or greater than 0.75.
4. 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 (1).
5. 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.
6. A permanent, conspicuous mark locating the maximum allowable Solvent level conforming to the applicable freeboard requirements.

(d) Operating Requirements

(i) All Degreasers shall comply with the following:

a. Any Solvent cleaning Equipment and any emission Control Equipment shall be operated and maintained in strict accord with the recommendations of the manufacturer.

b. Degreasers shall not be operating with any detectable Solvent Leaks.

c. All Solvent, including Waste Solvent, Waste Solvent residues, and used applicators 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.

d. 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.

e. Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.

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

1. Rack Workload arranged to promote complete drainage.

2. Limit the vertical speed of the power hoist to 3.3 meters per minute (11 feet per minute) or less when such a hoist is used.

3. Retain the Workload inside of the vapor zone until condensation ceases.

4. Tip out any pools of Solvent remaining on the cleaned parts before removing them from the Degreaser if the Degreasers are operated manually.

5. 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.)

g. The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.

h. Except for Sealed Chamber Degreasers, all Solvent agitation shall be by either pump recirculation, a mixer, or Ultrasonics.

i. 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.

j. For those Degreasers equipped with a water separator, no Solvent shall be visually detectable in the water in the separator.

k. Wipe Cleaning materials, including shop towels, containing Solvent shall be kept in closed containers at all times, except during use.

l. Cleaning operations shall be located so as to minimize air circulation and drafts being directed across the cleaning Equipment, the exposed Solvent surface, or the top surface of the vapor blanket.

m. 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.

(ii) Batch-loaded and Conveyorized Degreasers shall, in addition to the requirements in subsection (C)(4)(a), meet the following operating requirements:

a. When starting the Degreaser, the cooling system shall be turned on before, or simultaneously with, the sump heater.

b. When shutting down the Degreaser, the sump heater shall be turned off before, or simultaneously with, the cooling system.

c. The Workload Area shall not occupy more than half of the Evaporative Surface Area of the Degreaser.

d. Except for Sealed Chambers, the spray must be kept at least ten (10) centimeters (four (4) inches) below the top of the vapor level and be pointed downward, to prevent turbulence at the air-Solvent vapor interface.

(iii) Remote Reservoir Degreasers shall, in addition to the applicable requirements in subsection (C)(4)(a) of District Rule 1104, meet the following operating requirements:

a. The Solvent pump shall not circulate Solvent into the sink unless a Workload is being actively processed.

b. The sink of a Remote Reservoir Degreaser or any container placed therein may not be used to soak a Workload. Such use is prohibited and such use will cause the unit to be classified as a Cold Solvent Degreaser and be subject to provisions of subsection (C)(3)(h) of District Rule 1104.

~~(a)~~ c. Parts shall be visually dry and not dripping/leaking Solvent before being removed from the sink. Parts shall be tipped to release any trapped pools of Solvent before being removed from the sink. (iv) The Workload must “drip-dry” while being contained completely within the sink.~~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~~District 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~~District Rule 1113, including the VOC limits specified in District Rule 1113, ~~part C,~~ Table~~s~~ 1 and 2.
[~~Rule~~District 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, but not limited to, Application Methods, VOC Content of Coatings, and Strippers, Surface Preparation and Cleanup Solvent. ~~the VOC limits specified in District Rule 1115(C).~~
[~~Rule~~District 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~~District 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~~District Rule 1202(B)(3)(b)(i); ~~Rule~~District 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~~District Rule 1203(D)(1)(d)(ii); 40 CFR 70.6(a)(3)(ii)(B)]

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

District Rule 1203(F)(1) and District Rule 1208 to the APCO/District, with a copy to the USEPA, Region IX Administrator. The Compliance Certification, submitted 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 that the statements and information in the document are true, accurate, and complete.

[40 CFR 70.6(c)(5)(i); District Rule 1203(D)(1)(g)(vii); District Rule 1203(F)(1); District Rule 1208]

~~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~~District Rule 1203(D)(1)(g)(viii)]

(b) Owner/Operator when submitting any Compliance Certification(s) to the MDAQMD shall contemporaneously submit such Compliance Certification(s) to USEPA Region IX Administrator.~~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)]~~ [40 CFR 70.6(5)(iii); District Rule 1203(D)(g)(ix)]

(c) Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.

[District Rule 1203 (D)(1)(g)(x)]

~~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)]~~

(d) Owner/operator shall submit a *Compliance Certification Report* to the APCO/District on an annual basis pursuant to District Rule 1203.

(e) The annual certification Compliance Certification period is November 1st of the

previous year through October 31st of the current year, and shall be submitted no later than November 30th of each year.

5. Owner/Operator shall submit, on a semi-annual basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. This *Monitoring Report* shall be certified to be true, accurate, and complete by "The Responsible Official" and shall include the following information and/or data:
   (a) Summary of deviations from any federally-enforceable requirement in this permit.
   (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
   (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
   (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.
   (e) The semi-annual reporting period shall be submitted as follows:
      (i) November 1st through May 1st, due no later than May 31st of each year; and,
      (ii) May 2nd through October 31st, due no later than November 30th of each year.

   [District Rule 1203(D)(1)(c)(i - iii); 1203(D)(1)(d)(i); District Rule 1203(D)(1)(e)(i-ii); District Rule 1203(D)(1)(g)(v-x)]

~~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~~District Rule 1203(D)(1)(e)(ii) and ~~Rule~~District Rule 430(C)]
Prompt reporting shall be determined as follows:

(a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District. [SIP Pending: ~~Rule~~District 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~~District Rule 1203(D)(1)(e)(i)]

7. If any facility unit(s) should be determined not to be in compliance with any federally enforceable requirement during the 5-year permit term, then Owner/Operator shall obtain a Schedule of Compliance approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (~~Rule~~District 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~~District Rule 1201(I)(3)(iii) and shall include:

(a) A narrative description of how the facility will achieve compliance with such requirements; and

(b) A Schedule of Compliance which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of Progress Reports at least every six (6) months. The Schedule of Compliance shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and

(c) Progress Reports submitted under the provisions of a Schedule of Compliance shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance. [~~Rule~~District Rule 1201(I)(3)(iii); ~~Rule~~District Rule 1203(D)(1)(e)(ii);

~~Rule~~District 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~~District 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~~District 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~~District 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~~District 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~~District 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~~District Rule 1201(I)(2); ~~Rule~~District 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~~District 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~~District Rule 204 - *Permit Conditions*]

3. These engines shall be fired on PUC quality natural gas only.
   [District 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~~7, 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~~District 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~~District 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~~shall comply with ~~1160~~the most recent District approved version of the Hinkley Compressor Station Emission Control Plan (Hinkley Compressor Station ECP) ~~Alternative Control Plan dated/amended January 24, 1997 as approved by the MDAQMD~~, and 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 NO_x 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~~District Rule 1160 - *Internal Combustion Engines; Regulation XIV - Emission Reduction Credit Banking (in the case of NOx 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~~District Rule 1160 Monitoring; Recordkeeping; Reporting and Testing Requirements, and the most recent District approved version of the Hinkley Compressor Station ~~Emission Control Plan (~~ECP~~) for Hinkley Compressor Station~~. A copy of the most recent District approved Hinkley Compressor Station ECP must be maintained on site and provided to District personnel upon request:

(a) Monitoring

(i) The ~~1.~~ Owner/~~o~~Operator shall comply using monitoring provisions of the most recent District approved version of the Hinkley Compressor Station ECP~~Emission Control Plan (ECP). for Hinkley Compressor Station~~ [~~Rule~~District 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.~~(i) District ATC/PTO number, unit identification number and emissions control device identification number, when applicable.

~~2.~~(ii) Quarterly fuel use and quarterly hours of operation, on a calendar quarter basis.

~~3.~~(iii) The date and a summary of any inspections, repairs and maintenance, including any emissions corrective maintenance taken.

~~4.~~(iv) Any additional information required in the facility's District approved Emission Control Plan, when applicable.

~~5.~~(v) 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.~~(i) NO_x emissions for compliance tests shall be determined by EPA Method 7E.

~~2.~~(ii) CO emissions for compliance tests shall be determined by using EPA Method 10.

(iii)~~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.~~(iv) Oxygen content for compliance tests shall be determined by using EPA Method 3A.

~~5.~~(v) 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~~District 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)*

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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~~District 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~~District Rule 204 - *Permit Conditions*]

3. These engines shall be fired on PUC quality natural gas only. [District 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 most recent District approved version of the Hinkley Compressor Station Emission Control Plan (Hinkley Compressor Station ECP)~~(December 2018)~~ prepared pursuant to District Rule 1160 and as listed in Part III.~~, section~~ B.~~4~~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~~District 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 CH4)	106 ppm_v
(b)	NO_x (as NO2)	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~~District 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~~District Rule 1160 Monitoring; Recordkeeping; Reporting and Testing Requirements, and the most recent District approved version of the Hinkley Compressor Station ~~Emission Control Plan (~~ECP~~) for Hinkley Compressor Station~~. A copy of the most recent District approved version of the Hinkley Compressor Station ECP must be maintained on site and provided to District personnel upon request:

(a) Monitoring

~~(i)1.~~ The Owner/~~o~~Operator shall comply using monitoring provisions of the most recent District approved version of the Hinkley Compressor Station ~~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.~~(i) District ATC/PTO number, unit identification number and emissions control device identification number, when applicable.

~~2.~~(ii) Quarterly fuel use and quarterly hours of operation, on a calendar quarter basis.

~~3~~(iii~~.~~) The date and a summary of any inspections, repairs and maintenance on this equipment including any emissions corrective maintenance taken.

~~4.~~(iv) Any additional information required in the facility's District approved Emission Control Plan, when applicable.

~~5.~~(v) 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.~~(i) NO_x emissions for compliance tests shall be determined by EPA Method 7E.

~~2.~~(ii) CO emissions for compliance tests shall be determined by using EPA Method 10.

~~3.~~(iii) 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.~~(iv) Oxygen content for compliance tests shall be determined by using EPA Method 3A.

~~5.~~(v) 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~~District Rule 1160 - *Internal Combustion Engines*; ~~Rule~~District 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~~District 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~~District Rule 204 - *Permit Conditions*]

3. These engines shall be fired on PUC quality natural gas only.
[District 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_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~~District Rule 1160(C)(3); ~~Rule~~District Rule 1160(C)(1)]

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

(a) Monitoring

~~1.~~(i) The Owner/~~o~~Operator 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.~~(i) District ATC/PTO number, unit identification number and emissions control device identification number, when applicable.

~~2.~~(ii) Quarterly fuel use and quarterly hours of operation, on a

calendar quarter basis.

(iii)3. The date and a summary of all inspections, repairs and maintenance on this equipment including any emissions corrective maintenance taken.

4(iv). Any additional information required in the facility's District approved Emission Control Plan, when applicable.

5.(v) 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.(i) NO_x emissions for compliance tests shall be determined by EPA Method 7E.

2.(ii) CO emissions for compliance tests shall be determined by using EPA Method 10.

3.(iii) 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.(iv) Oxygen content for compliance tests shall be determined by using EPA Method 3A.

5.(v) 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).

[RuleDistrict 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.
[RuleDistrict 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.~~.wner~~
[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~~District 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~~District Rule 1203(D)(1)(d)(ii); ~~Rule~~District Rule 204 - *Permit Conditions*]

~~F~~E. 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~~District 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~~District Rule 1203(D)(1)(d)(ii); ~~Rule~~District Rule 204 - *Permit Conditions*]

~~G. RESERVED~~

~~H. RESERVED~~

~~I~~F. 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~~District Rule 204 – *Permit Conditions*; 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~~District Rule 204 - *Permit Conditions*; 40 CFR Part 64 (CAM applicable for NO_x); ~~Rule~~District 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 NO_2 – 0.36 lb/hr (averaged over one hour)

(ii~~).~~ VOC as CH4 – 0.36 lb/hr

(iii~~.~~) PM_{10} – 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~~.~~) PM_{10} – 2090 pounds/year as verified by most recent source test.

(v~~iii.~~) CO – 6 tons/year

[~~Rule~~District Rule 204 - *Permit Conditions*; 40 CFR Part 64 (NOx Only); ~~Rule~~District 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~~District Rule 204 - *Permit Conditions*; 40 CFR Part 64 (CAM applicable for NO_x); ~~Rule~~District 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.

If a compliance test fails to demonstrate compliance with the above emission limits, the frequency of the compliance test must be shortened to taking place at least once every twelve (12) months or until a passing test is recorded; thereafter, the test period may be extended to once every twenty-four (24) months.
[~~Rule~~District Rule 1303 – *Requirements (BACT)*; District Rule 1160; 40 CFR Part 64 (Cam applicable for NOx)]

6. The owner/operator 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. [40 CFR 63.6640 (b)]

[~~Rule~~District Rule 1303 – *Requirements (BACT);* 40 CFR Part 64; 40 CFR Part 63 Subpart ZZZZ; 40 CFR 70.6(a)(3)(ii)(B); ~~Rule~~District 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~~District Rule 1303 – *Requirements (BACT);* ~~Rule~~District Rule 204 - *Permit Conditions*]

8. Owner/operator 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.~~(a) ~~–~~ Emissions of formaldehyde shall be either (1) reduced by 76% or greater or (2) limited to a concentration of 350 ppbvd 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/o must conduct subsequent performance tests semiannually (or as allowed by 40 CFR Part 63).
[40 CFR 63.6640; 63.6640 (b)]

9. Owner/operator 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~~elements~~ required by 40 CFR 63.6625(b)(1).
[40 CFR Part 64 (CAM applicable for NO_x); District Rule 1160(E)(1)(a&b)]

11. Except during periods of startup, the owner/operator 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. Owner/operator~~/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); District Rule 1160]

13. Owner/operator must include the following in the semi-annual compliance reports required by Part II.~~, section~~ B~~, Condition~~ .5;
~~a.~~ (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.~~ (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.~~ (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.~~ (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~~G. 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)~~(a) Tank input
~~b)~~ (b) Tank output
~~c)~~ (c) Average stored volume over the 24 hour period (midnight to midnight)
~~d)~~ (d) Storage and transfer temperatures of the organic liquid
~~e)~~ (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~~District Rule 1203(D)(1)(d)(ii); ~~Rule~~District Rule 462- *Organic Liquid Loading*; ~~Rule~~District 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~~District Rule 462- *Organic Liquid Loading*; ~~Rule~~District Rule 204 - *Permit Conditions*]

3. The owner/operator 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)~~a.~~ Static Pressure Decay Test per CARB test method TP-201.3B (2-inch test)
~~b.~~(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~~District Rule 462- *Organic Liquid Loading*; ~~Rule~~District Rule 204 - *Permit Conditions*]

4. The owner/operator 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~~District Rule 462- *Organic Liquid Loading*; ~~Rule~~District 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~~District Rule 204 - *Permit Conditions*]

6. All tank loading and unloading shall occur utilizing properly functioning integral Phase I system.
[~~Rule~~District Rule 462 - *Organic Liquid Loading*; ~~Rule~~District Rule 204 - *Permit Conditions*]

~~K~~H. 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~~District 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.~~(a) Date of each use and duration of each use (in hours);
   ~~b.~~(b) Reason for use (testing & maintenance, emergency, required emission testing);
   ~~c.~~ (c) Calendar year operation in terms of fuel consumption (in gallons) and total hours;
   ~~d.~~ (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.~~ (e) Records of maintenance conducted and occurrence and duration of each malfunction and actions taken to return equipment to normal operation.
   [~~Rule~~District Rule 204 - *Permit Conditions*; 40 CFR 63.6655]

7. The ~~O/o~~owner/operator shall:
   (a) ~~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.~~ (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
   ~~c.~~ (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and
   ~~d.~~ (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)]

I. DISTRICT AND STATE ENFORCEABLE ONLY REQUIREMENTS, APPLICABLE TO THE FOLLOWING ENGINES DRIVING RECIPROCATING NATURAL GAS COMPRESSORS;

a. MDAQMD Permit Number B005028
b. MDAQMD Permit Number B005029
c. MDAQMD Permit Number B004699
d. MDAQMD Permit Number B004812
e. MDAQMD Permit Number B005021
f. MDAQMD Permit Number B005023
g. MDAQMD Permit Number B005027
h. MDAQMD Permit Number B005019
i. MDAQMD Permit Number B005022
j. MDAQMD Permit Number B005024
k. MDAQMD Permit Number B005025
l. MDAQMD Permit Number B005026

1. Conditions 1 through 14 are specific to the requirements California Code of Regulations Title 17, Division 3, Chapter 1, Subchapter 10 Climate Change, Article 4 - Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities. In the event of conflict between conditions the more stringent requirements shall govern. These do not apply to reciprocating natural gas compressors that operate less than 200 hours per calendar year provided that the owner or operator maintains, and makes available upon request by the ARB Executive Officer or district, a record of the operating hours per calendar year. [17 CCR 95668 (c)(2)(A)]

2. By January 1, 2018 or within 180 days from installation, critical components used in conjunction with a critical process unit at facilities located in sectors listed in section 95666 of Title 17, Division 3, Chapter 1, Subchapter 10 Climate Change, Article 4 - Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities must be pre-approved by the ARB Executive Officer if owners/operators wish to claim any critical component exemptions available under this subarticle. Critical components that have been designated as critical under an existing local air district leak detection and repair program as of January 1, 2018 are not subject the critical component requirements specified in this subarticle. [17 CCR 95670(a)]

   Owners/operators must provide sufficient documentation demonstrating that a critical component is required as part of a critical process unit and that shutting down the critical component or process unit would impact safety or reliability of the natural gas system. [17 CCR 95670(b)]

   A request for a critical component or process unit approval is made by submitting a record of the component or process unit as specified in Appendix A, Table A3 along with supporting documentation to the ARB at the address listed in section 95673(b) of this subarticle. [17 CCR 95670(c)]

Owners/operators shall maintain, and make available upon request by the ARB or the district staff, a record of all critical components or process units located at the facility as specified in Appendix A, Table A3. [17 CCR 95670(d)]

Each critical component or critical process unit must be identified according to one of the following methods [17 CCR 95670(e)]:

~~a.~~(a) Identify each component using a weatherproof, readily visible tag that indicates it as an ARB approved critical component and includes the date of ARB Executive Officer approval; or,

~~b.~~(b) Provide a diagram or drawing of all critical components or the critical process unit upon request by the ARB Executive Officer and by district staff. Approval of a critical component may be granted only if owners/operators fully comply with this section. The ARB Executive Officer and/or District retain discretion to deny any request for critical component or process unit approval. [17 CCR 95670(f)]

3. Beginning January 1, 2018, components on driver engines and compressors shall comply with the leak detection and repair requirements specified in 17 CCR 95669 (as outlined in conditions 5 through 12); except for the rod packing component subject to 17 95668(c)(4)(B), which is outlined below:

The compressor rod packing or seal emission flow rate through the rod packing or seal vent stack shall be measured annually by direct measurement (high volume sampling, bagging, calibrated flow measuring instrument) while the compressor is running at normal operating temperature using one of the following methods:

~~a.~~(a) Vent stacks shall be equipped with a meter or instrumentation to measure the rod packing or seal emissions flow rate; or,

~~b.~~(b) Vent stacks shall be equipped with a clearly identified access port installed at a height of no more than six (6) feet above ground level or a permanent support surface for making individual or combined rod packing or seal emission flow rate measurements.

~~c.~~(c) If the measurement is not obtained because the compressor is not operating for the scheduled test date and the remainder of the inspection period, then testing shall be conducted within 7 calendar days of resumed operation. The owner or operator shall

maintain, and make available upon request by the ARB Executive Officer, a copy of operating records that document the compressor hours of operation and run dates in order to demonstrate compliance with this requirement.

[17 CCR 95668(c)(4)(A)&(B)]

4. Beginning January 1, 2018, all components, including components found on tanks, separators, wells, and pressure vessels not identified in 17 CCR 95669(b) shall be inspected and repaired as follows. The ARB Executive Officer may perform

inspections at facilities at any time to determine compliance with the requirements specified. [17 CCR 95669(c)&(d)]

Except for inaccessible or unsafe to monitor components, the owner/operator shall audio-visually inspect (by hearing and by sight) all hatches, pressure-relief valves, well casings, stuffing boxes, and pump seals for leaks or indications of leaks at least once every 24 hours for facilities that are visited daily, or at least once per calendar week for facilities that are not visited at least once every 24 hours; and, the owner/operator shall audio-visually inspect all pipes for leaks or indications of leaks at least once every 12 months. [17 CCR 95669(e)]

Any audio-visual inspection specified above that indicates a leak that cannot be repaired within 24 hours shall be tested using US EPA Reference Method 21 (October 1, 2017) within 24 hours after initial leak detection, and the leak shall be repaired in accordance with the repair timeframes specified:

~~a.~~ (a) For leaks detected during normal business hours, the leak measurement shall be performed within 24 hours. For leaks detected after normal business hours or on a weekend or holiday, the deadline is shifted to the end of the next normal business day.

~~b.~~(b) Any leaks measured above the minimum leak threshold shall be successfully repaired within the timeframes specified.

[17CCR 95669(f)]

5. At least once each calendar quarter, all components shall be tested for leaks of total hydrocarbons in units of parts per million volume (ppmv) calibrated as methane in accordance with US EPA Reference Method 21 (October 1, 2017) excluding the use of PID instruments.

Optical Gas Imaging (OGI) instruments may be used as a leak screening device, but may not be used in place of US EPA Reference Method 21 (October 1, 2017) during quarterly leak inspections, provided they are approved for use by the ARB Executive Officer and used by a technician with a certification or training in infrared theory, infrared inspections, and heat transfer principles (e.g., Level II Thermography or equivalent training); and, all leaks detected with the use of an OGI instrument shall be measured using US EPA Reference Method 21 (October 1, 2017) within two calendar days of initial OGI leak detection or within 14 calendar days of initial OGI leak detection of an inaccessible or unsafe to monitor component to determine compliance with the leak thresholds and repair timeframes specified in this subarticle.

All inaccessible or unsafe to monitor components shall be inspected at least once annually using US EPA Reference Method 21 (October 1, 2017).

[17 CCR 95669(g)]

6. On or after January 1, 2020, any component with a leak concentration measured above the following standards shall be repaired within the time period specified:
   ~~a.~~(a) Leaks with measured total hydrocarbon concentrations greater than or equal to 1,000 ppmv but not greater than 9,999 ppmv shall be successfully repaired or removed from service within 14 calendar days of initial leak detection.
   ~~b.~~(b) Leaks with measured total hydrocarbon concentrations greater than or equal to 10,000 ppmv but not greater than 49,999 ppmv shall be successfully repaired or removed from service within five (5) calendar days of initial leak detection.
   ~~c.~~(c) Leaks with measured total hydrocarbon concentrations greater than or equal to 50,000 ppmv shall be successfully repaired or removed from service within two (2) calendar days of initial leak detection.
   ~~d.~~ (d) Critical components or critical process units shall be successfully repaired by the end of the next process shutdown or within 12 months from the date of initial leak detection, whichever is sooner.

   A delay of repair may be granted by the ARB Executive Officer under the following conditions:
      ~~i.~~ (i) The owner or operator can provide proof that the parts or equipment required to make necessary repairs have been ordered. A delay of repair to obtain parts or equipment shall not exceed 30 calendar days from the dates specified above by which repairs must be made, unless the owner or operator notifies the ARB Executive Officer to report the delay and provides an estimated time by which the repairs will be completed.
      ~~ii.~~(ii) A gas service utility can provide documentation that a system has been temporarily classified as critical to reliable public gas system operation as ordered by the utility's gas control office.

   [17 CCR 95669(i)]

   On or after January 1, 2020, no facility shall exceed the number of allowable leaks listed below during an ARB Executive Officer of district inspection as determined in accordance with US EPA Reference Method 21 (October 1, 2017), excluding the use of PID instruments [17 CCR 95669(o)(2)&(3)]

Leak Threshold	200 or Less Components	More than 200 Components
1,000-9,999 ppmv	5	2% of total inspected
10,000-49,999 ppmv	2	1% of total inspected
50,000 ppmv or greater	0	0

7. The failure of an owner/operator to repair leaks within the timeframes specified, during any inspection period, shall constitute a violation. Except for the fourth (4th) quarterly

inspection of each calendar year, leaks discovered during an operator-conducted inspection shall not constitute a violation if the leaking components are repaired within the timeframes.
[17 CCR 95669(o)(4)&(5)]

8. Upon detection of a component with a leak concentration measured above the standards specified, the owner/operator shall affix to that component a weatherproof readily visible tag that identifies the date and time of leak detection measurement and the measured leak concentration. The tag shall remain affixed to the component until all of the following conditions are met:
   ~~a.~~(a)- The leaking component has been successfully repaired or replaced; and,
   ~~b.~~(b)- The component has been re-inspected and measured below the lowest standard specified for the inspection year when measured in accordance with US EPA Reference Method 21 (October 1, 2017), excluding the use of PID instruments.
   ~~c.~~(c)- Tags shall be removed from components following successful repair.
   [17 CCR 95669(j)]

9. Owner/operator shall maintain, and make available upon request by the ARB Executive Officer or district, a record of all leaks found at the facility as specified in Appendix A, Tables A4 and A5, and shall report the results to ARB and the district once per calendar year as specified in section 17 CCR 95673.
   [17 CCR 95669(k)]

10. Additional Leak Detection and Repair Requirements:

    Hatches shall remain closed at all times except during sampling, adding process material, or attended maintenance operations. [17 CCR 95669(l)]

    Open-ended lines and valves located at the end of lines shall be sealed with a blind flange, plug, cap or a second closed valve, at all times except during operations requiring liquid or gaseous process fluid flow through the open-ended line. Open-ended lines do not include vent stacks used to vent natural gas from equipment and cannot be sealed for safety reasons. Open-ended lines shall be repaired as follows [17 CCR 95669(m)]:
    ~~a.~~(a)- Open-ended lines that are not capped or sealed shall be capped or sealed within 14 calendar days from the date of initial inspection.
    ~~b.~~(b)- Open-ended lines that are capped or sealed and found leaking shall be repaired in accordance with the timeframes specified in 17 CCR 95669(h) and 95669(i).

    Components or component parts which incur five (5) repair actions within a continuous 12-month period shall be replaced with a compliant component in working order and must be re-measured using US EPA Reference Method 21 (October 1, 2017), to determine that the component is below the minimum leak threshold. A record of the

replacement must be maintained in a log at the facility, and shall be made available upon request by the ARB Executive Officer or district.
[17 CCR 95669(n)]

11. Beginning January 1, 2019, compressor vent stacks used to vent rod packing or seal emissions shall be controlled with the use of a vapor collection system as specified in 17 CCR 95671 (as outlined by condition 12, below); or, a compressor with a rod packing or seal with a measured emission flow rate greater than two (2) standard cubic feet per minute (scfm), or a combined rod packing or seal emission flow rate greater than the number of compression cylinders multiplied by two (2) scfm, shall be successfully repaired within 30 calendar days from the date of the initial emission flow rate measurement.

A delay of repair may be granted by the ARB Executive Officer if the owner or operator can provide proof that the parts or equipment required to make necessary repairs have been ordered.

A delay of repair to obtain parts or equipment shall not exceed 30 calendar days, or 60 days from the date from of the initial measurement, unless the owner or operator notifies the ARB Executive Officer to report the delay and provides an estimated time by which the repairs will be completed.

A reciprocating natural gas compressor with a rod packing or seal emission flow rate measured above the standard specified in 17 CCR 95668(c)(4)(D) (as outlined above) and which has been approved by the ARB Executive Officer as a critical component, shall be successfully repaired by the end of the next scheduled process shutdown or within 12 months from the date of the initial
flow rate measurement, whichever is sooner.
[17 CCR 95668 - Standards, section (c)(4)(C),(D)&(F) Reciprocating Natural Gas Compressors]

12. Beginning January 1, 2019, the following requirements apply to equipment at facilities located in sectors listed in 17 CCR 95666 that must be controlled with the use of a vapor collection system and control device as a result of the requirements specified in section 95668 of this subarticle:

The vapor collection system shall direct the collected vapors to one of the following:
~~a.~~(a)- Sales gas system; or,
~~b.~~(b) -Fuel gas system; or,
~~c.~~(c)- Gas disposal well not currently under review by the Division of Oil and Gas and Geothermal Resources. [17 CCR 95671(b)]

If no sales gas system, fuel gas system, or gas disposal well specified above is available at the facility, the owner or operator must control the collected vapors with either:

(a) ~~a.~~ A non-destructive vapor control device that achieves at least 95 percent vapor control efficiency of total emissions and does not result in emissions of nitrogen oxides (NOx); or,

~~b.~~(b) ~~-~~ A vapor control device that achieves at least 95 percent vapor control efficiency of total emissions and does not generate more than 15 parts per million volume (ppmv) NOx when measured at 3 percent oxygen and does not require the use of supplemental fuel gas, other than gas required for a pilot burner, to operate. [17 CCR 95671(d)]

If the collected vapors cannot be controlled as specified in herein, the equipment subject to the vapor collection and control requirements may not be used or installed and must be removed from service by January 1, 2019, and circulation tanks may not be used and must be removed from service by January 1, 2020. [17 CCR 95671(e)]

Vapor collection systems and control devices are allowed to be taken out of service for up to 30 calendar days per calendar year for performing maintenance. A time extension to perform maintenance not to exceed 14 calendar days per calendar year may be granted by the ARB Executive Officer. The owner or operator is responsible for maintaining a record of the number of calendar days per calendar year that the vapor collection system or vapor control device is out of service and shall provide a record of such activity at the request of the ARB Executive Officer. If an alternate vapor control device compliant with this section is installed prior to conducting maintenance and the vapor collection and control system continues to collect and control vapors during the maintenance operation consistent with the applicable standards specified in section 95671, the event does not count towards the 30 calendar day limit. Vapor collection system and control device shutdowns that result from utility power outages are not subject to enforcement action provided the equipment resumes normal operation as soon as normal utility power is restored. Vapor collection system and control device shutdowns that result from utility power outages do not count towards the 30 calendar day limit for maintenance. [17 CCR 95671(f)]

13. Beginning January 1, 2018, the owner/operator shall report the following information to ARB and the District by July 1st of each calendar year unless otherwise specified:

For Reciprocating Natural Gas Compressors [17 CCR 95673 (a)(2-3)]:

~~a.~~ (a) Annually, report the leak concentration for each rod packing or seal measured above the minimum leak threshold as specified in Appendix A, Table A5.

~~b.~~(b) ~~-~~Annually, report the emission flow rate measurement for each rod packing or seal as specified in Appendix A, Table A7.

For Leak Detection and Repair [17 CCR 95673 (a)(12-13)]:

~~c.~~ (c) Annually, report the results of each leak detection and repair inspection conducted during the calendar year as specified in Appendix A, Table A4.

~~d.~~ (d) Annually, report the initial and final leak concentration measurements for components measured above the minimum allowable leak threshold as specified in Appendix A Table A5. Reports shall be submitted as follows:

~~1.~~ (i) Submissions to ARB may be submitted electronically to oil&gas@arb.ca.gov with the subject line"O&G GHG Regulation Reporting", or mailed to:
California Air Resources Board
Attention: O&G GHG Regulation Reporting
Industrial Strategies Division
1001 I Street, PO Box 2815
Sacramento, California 95814

~~2.~~ (ii) Submissions to the District may be submitted electronically to reporting@mdaqmd.ca.gov with the subject line "O&G GHG Regulation Reporting", or mailed to:
Mojave Desert AQMD
Attention: O&G GHG Regulation Reporting
14306 Park Avenue
Victorville, CA 92392

14. The owner/operator shall maintain the following records for this equipment to comply with Title 17, Division 3, Chapter 1, Subchapter 10 Climate Change, Article 4 - Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities. These records must be made available to ARB or district staff upon request.

For Reciprocating Natural Gas Compressors [17 CCR 95672 (a)(5-8)]:

(a) ~~a.~~ Maintain for at least five years from the date of each leak concentration measurement, a record of each rod packing leak concentration measurement found above the minimum leak threshold as specified in Appendix A, Table A5.

~~b.~~ (b) Maintain, for at least five years from the date of each emissions flow rate measurement, a record of each rod packing emission flow rate measurement as specified in Appendix A, Table A7.

~~c.~~ (c) Maintain, for at least one calendar year, a record that documents the date(s) and hours of operation a compressor is operated in order to demonstrate compliance with the rod packing leak concentration or emission flow rate measurement in the event that the compressor is not operating during a scheduled inspection.

~~d.~~ (d) Maintain records that provide proof that parts or equipment required to make necessary repairs have been ordered.

For Leak Detection and Repair [17 CCR 95672 (a)(17-21)]:

~~e.~~ (e) Maintain, for at least five years from each inspection, a record of each leak detection and repair inspection as specified in Appendix A Table A4.

~~f.~~(f) Maintain, for at least five years from the date of each inspection, a component leak concentration and repair form for each inspection as specified in Appendix A Table A5.

~~g.~~ (g) Maintain records that provide proof that parts or equipment required to make necessary repairs have been ordered.

~~h.~~ (h) Maintain gas service utility records that demonstrate that a system has been temporarily classified as critical to reliable public gas operation throughout the duration of the classification period.

For Vapor Collection System and Vapor Controls [17 CCR 95672 (a)(22)]:

~~i.~~ (i) Maintain records that provide proof that parts or equipment required to make necessary repairs have been ordered.

J. DISTRICT AND STATE ENFORCEABLE ONLY REQUIREMENTS, APPLICABLE TO THE FOLLOWING NATURAL GAS POWERED PNEUMATIC DEVICES, MDAQMD Permit Number B013816:

1. Conditions 1 through 12 are specific to the requirements California Code of Regulations Title 17, Division 3, Chapter 1, Subchapter 10 Climate Change, Article 4 - Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities. In the event of conflict between conditions the more stringent requirements shall govern. [17 CCR 95668 (e)(1)]

2. Beginning January 1, 2018, intermittent bleed natural gas powered pneumatic devices shall comply with the leak detection and repair requirements specified in 17 CCR 95669 (as outlined in conditions 4 through 10) when the device is idle and not controlling. [17 CCR 95668(e)(3)]

3. Beginning January 1, 2018, all components, including components found on tanks, separators, wells, and pressure vessels not identified in 17 CCR 95669(b) shall be inspected and repaired as follows. The ARB Executive Officer may perform inspections at facilities at any time to determine compliance with the requirements specified. [17 CCR 95669(c)&(d)]

Except for inaccessible or unsafe to monitor components, the owner/operator shall audio-visually inspect (by hearing and by sight) all hatches, pressure-relief valves, well casings, stuffing boxes, and pump seals for leaks or indications of leaks at least once every 24 hours for facilities that are visited daily, or at least once per calendar week for facilities that are not visited at least once every 24 hours; and, the owner/operator shall audio-visually inspect

all pipes for leaks or indications of leaks at least once every 12 months. [17 CCR 95669(e)]

Any audio-visual inspection specified above that indicates a leak that cannot be repaired within 24 hours shall be tested using US EPA Reference Method 21 (October 1, 2017) within 24 hours after initial leak detection, and the leak shall be repaired in accordance with the repair timeframes specified:

~~a.~~(a) ~~-~~For leaks detected during normal business hours, the leak measurement shall be performed within 24 hours. For leaks detected after normal business hours or on a weekend or holiday, the deadline is shifted to the end of the next normal business day.

~~b.~~(b) ~~-~~Any leaks measured above the minimum leak threshold shall be successfully repaired within the timeframes specified. [17 CCR 95669(f)]

4. At least once each calendar quarter, all components shall be tested for leaks of total hydrocarbons in units of parts per million volume (ppmv) calibrated as methane in accordance with US EPA Reference Method 21 (October 1, 2017) excluding the use of PID instruments.

Optical Gas Imaging (OGI) instruments may be used as a leak screening device, but may not be used in place of US EPA Reference Method 21 (October 1, 2017) during quarterly leak inspections, provided they are approved for use by the ARB Executive Officer and used by a technician with a certification or training in infrared theory, infrared inspections, and heat transfer principles (e.g., Level II Thermography or equivalent training); and, all leaks detected with the use of an OGI instrument shall be measured using US EPA Reference Method 21 (October 1, 2017) within two calendar days of initial OGI leak detection or within 14 calendar days of initial OGI leak detection of an inaccessible or unsafe to monitor component to determine compliance with the leak thresholds and repair timeframes specified in this subarticle.

All inaccessible or unsafe to monitor components shall be inspected at least once annually using US EPA Reference Method 21 (October 1, 2017).
[17 CCR 95669(g)]

5. On or after January 1, 2020, any component with a leak concentration measured above the following standards shall be repaired within the time period specified:

~~a.~~(a) ~~-~~Leaks with measured total hydrocarbon concentrations greater than or equal to 1,000 ppmv but not greater than 9,999 ppmv shall be successfully repaired or removed from service within 14 calendar days of initial leak detection.

~~b.~~(b) Leaks with measured total hydrocarbon concentrations greater than or equal to 10,000 ppmv but not greater than 49,999 ppmv shall be successfully repaired or removed from service within five (5) calendar days of initial leak detection.

~~c.~~(c) Leaks with measured total hydrocarbon concentrations greater than or equal to

50,000 ppmv shall be successfully repaired or removed from service within two (2) calendar days of initial leak detection.

~~d.~~ (d) Critical components or critical process units shall be successfully repaired by the end of the next process shutdown or within 12 months from the date of initial leak detection, whichever is sooner. A delay of repair may be granted by the ARB Executive Officer under the following conditions:

~~i.~~ (i) The owner or operator can provide proof that the parts or equipment required to make necessary repairs have been ordered.

A delay of repair to obtain parts or equipment shall not exceed 30 calendar days from the dates specified above by which repairs must be made, unless the owner or operator notifies the ARB Executive Officer to report the delay and provides an estimated time by which the repairs will be completed.

(ii) ~~ii.~~ A gas service utility can provide documentation that a system has been temporarily classified as critical to reliable public gas system operation as ordered by the utility's gas control office.

[17 CCR 95669(i)]

On or after January 1, 2020, no facility shall exceed the number of allowable leaks listed below during an ARB Executive Officer or district inspection as determined in accordance with US EPA Reference Method 21 (October 1, 2017), excluding the use of PID instruments [17 CCR 95669(o)(2)&(3)]:

Leak Threshold	200 or Less Components	More than 200 Components
1,000-9,999 ppmv	5	2% of total inspected
10,000-49,999 ppmv	2	1% of total inspected
50,000 ppmv or greater	0	0

6. The failure of an owner/operator to repair leaks within the timeframes specified, during any inspection period, shall constitute a violation. Except for the fourth (4th) quarterly inspection of each calendar year, leaks discovered during an operator-conducted inspection shall not constitute a violation if the leaking components are repaired within the timeframes. [17 CCR 95669(o)(4)&(5)]

7. Upon detection of a component with a leak concentration measured above the standards specified, the owner/operator shall affix to that component a weatherproof readily visible tag that identifies the date and time of leak detection measurement and the measured leak concentration. The tag shall remain affixed to the component until all of the following conditions are met:

~~a.~~(a) The leaking component has been successfully repaired or replaced; and,

~~b.~~(b) The component has been re-inspected and measured below the lowest standard

specified for the inspection year when measured in accordance with US EPA Reference Method 21 (October 1, 2017), excluding the use of PID instruments.

~~c.~~(c)~~-~~ Tags shall be removed from components following successful repair.

[17 CCR 95669(j)]

8. Owner/operator shall maintain, and make available upon request by the ARB Executive Officer or district, a record of all leaks found at the facility as specified in Appendix A, Tables A4 and A5, and shall report the results to ARB and the district once per calendar year as specified in section 17 CCR 95673.

[17 CCR 95669(k)]

9. Additional Leak Detection and Repair Requirements:

Hatches shall remain closed at all times except during sampling, adding process material, or attended maintenance operations.

[17 CCR 95669(l)]

Open-ended lines and valves located at the end of lines shall be sealed with a blind flange, plug, cap or a second closed valve, at all times except during operations requiring liquid or gaseous process fluid flow through the open-ended line. Open-ended lines do not include vent stacks used to vent natural gas from equipment and cannot be sealed for safety reasons. Open-ended lines shall be repaired as follows [17 CCR 95669(m)]:

~~a.~~(a) Open-ended lines that are not capped or sealed shall be capped or sealed within 14 calendar days from the date of initial inspection.

~~b.~~(b)~~-~~ Open-ended lines that are capped or sealed and found leaking shall be repaired in accordance with the timeframes specified in 17 CCR 95669(h) and 95669(i).

Components or component parts which incur five (5) repair actions within a continuous 12-month period shall be replaced with a compliant component in working order and must be re-measured using US EPA Reference Method 21 (October 1, 2017), to determine that the component is below the minimum leak threshold. A record of the replacement must be maintained in a log at the facility, and shall be made available upon request by the ARB Executive Officer or district. [17 CCR 95669(n)]

10. Beginning January 1, 2019, the following requirements apply to equipment at facilities located in sectors listed in 17 CCR 95666 that must be controlled with the use of a vapor collection system and control device as a result of the requirements specified in section 95668 of this subarticle:

The vapor collection system shall direct the collected vapors to one of the following:

~~a.~~(a) Sales gas system; or,

~~b.~~(b) Fuel gas system; or,

~~c.~~(c) Gas disposal well not currently under review by the Division of Oil and Gas and Geothermal Resources. [17 CCR 95671(b)]

If no sales gas system, fuel gas system, or gas disposal well specified above is available at the facility, the owner or operator must control the collected vapors with either:

~~a.~~ (a) A non-destructive vapor control device that achieves at least 95 percent vapor control efficiency of total emissions and does not result in emissions of nitrogen oxides (NOx); or,

~~b.~~(b) A vapor control device that achieves at least 95 percent vapor control efficiency of total emissions and does not generate more than 15 parts per million volume (ppmv) NOx when measured at 3 percent oxygen and does not require the use of supplemental fuel gas, other than gas required for a pilot burner, to operate. [17 CCR 95671(d)]

If the collected vapors cannot be controlled as specified in herein, the equipment subject to the vapor collection and control requirements may not be used or installed and must be removed from service by January 1, 2019, and circulation tanks may not be used and must be removed from service by January 1, 2020. [17 CCR 95671(e)]

Vapor collection systems and control devices are allowed to be taken out of service for up to 30 calendar days per calendar year for performing maintenance. A time extension to perform maintenance not to exceed 14 calendar days per calendar year may be granted by the ARB Executive Officer. The owner or operator is responsible for maintaining a record of the number of calendar days per calendar year that the vapor collection system or vapor control device is out of service and shall provide a record of such activity at the request of the ARB Executive Officer. If an alternate vapor control device compliant with this section is installed prior to conducting maintenance and the vapor collection and control system continues to collect and control vapors during the maintenance operation consistent with the applicable standards specified in section 95671, the event does not count towards the 30 calendar day limit. Vapor collection system and control device shutdowns that result from utility power outages are not subject to enforcement action provided the equipment resumes normal operation as soon as normal utility power is restored. Vapor collection system and control device shutdowns that result from utility power outages do not count towards the 30 calendar day limit for maintenance. [17 CCR 95671(f)]

11. The owner/operator shall maintain the following records for this equipment to comply with Title 17, Division 3, Chapter 1, Subchapter 10 Climate Change, Article 4 - Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities. These records must be made available to ARB or district staff upon request.

For Natural Gas Powered Pneumatic Devices [17 CCR 95672 (a)(12)]:

~~a.~~(a) Maintain, for at least five years from the date of each emissions flow rate

measurement, a record of the emission flow rate measurement as specified in Appendix A, Table A7.

For Leak Detection and Repair [17 CCR 95672 (a)(17-21)]:

~~b.~~(b)~~-~~ Maintain, for at least five years from each inspection, a record of each leak detection and repair inspection as specified in Appendix A Table A4.

~~c.~~ (c) Maintain, for at least five years from the date of each inspection, a component leak concentration and repair form for each inspection as specified in Appendix A Table A5.

~~d.~~ (d) Maintain records that provide proof that parts or equipment required to make necessary repairs have been ordered.

~~e.~~ (e) Maintain gas service utility records that demonstrate that a system has been temporarily classified as critical to reliable public gas operation throughout the duration of the classification period.

For Vapor Collection System and Vapor Controls [17 CCR 95672 (a)(22)]:

~~f.~~(f) Maintain records that provide proof that parts or equipment required to make necessary repairs have been ordered.

12. Beginning January 1, 2018, the owner/operator shall report the following information to ARB and the District by July 1st of each calendar year unless otherwise specified:

For Natural Gas Powered Pneumatic Devices [17 CCR 95673 (a)(5)]:

~~a.~~(a)~~-~~ Annually, report the emission flow rate measurement for each pneumatic device with a designed emission flow rate of less than six (6) scfh as specified in Appendix A, Table A7.

For Leak Detection and Repair [17 CCR 95673 (a)(12-13)]:

~~b. A~~(b) Annually, report the results of each leak detection and repair inspection conducted during the calendar year as specified in Appendix A, Table A4.

~~c.~~ (c) Annually, report the initial and final leak concentration measurements for components measured above the minimum allowable leak threshold as specified in Appendix A Table A5.

Reports shall be submitted as follows:

~~1.~~(i)~~-~~ Submissions to ARB may be submitted electronically to oil&gas@arb.ca.gov with the subject line "O&G GHG Regulation Reporting", or mailed to:

California Air Resources Board
Attention: O&G GHG Regulation Reporting
Industrial Strategies Division
1001 I Street, PO Box 2815

Sacramento, California 95814

~~2.~~(ii) ~~-~~ Submissions to the District may be submitted electronically to reporting@mdaqmd.ca.gov with the subject line "O&G GHG Regulation Reporting", or mailed to:
Mojave Desert AQMD
Attention: O&G GHG Regulation Reporting
14306 Park Avenue
Victorville, CA 92392

PART IV

STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); ~~Rule~~District 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~~District 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~~District 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~~District 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~~District 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~~District 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~~District 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~~District 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~~District 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 ~~Rule~~District Rules 301 and 312.
[40 CFR 70.6(a)(7); ~~Rule~~District 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~~District 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~~District 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~~District 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~~District 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~~District 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~~District 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~~District 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~~District 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~~District 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. Permitee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
   (a)~~A.~~ Permitee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of ~~Rule~~District Rule 219; and
      (i)~~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~~A.~~) If a proposed "Off Permit Change" qualifies under Part V, Section (B)(I)(A)(1) above, permitee shall implement the change as follows:
      ~~1.~~(i) Permitee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. *[See 1203(E)(1)(c)(i)b.]*
      ~~2.~~(ii) 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.~~(iii) Permitee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See 1203(E)(1)(c)(i)a.]*

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

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

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

3. Other Requirements:

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

~~B.~~(b) The provisions of ~~Rule~~District 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~~District Rule 1203(E)(1)(c)]

PART VI

CONVENTIONS, ABREVIATIONS, 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 SO_2 Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO_2 Emissions

B. Other conventions:

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

C. Abbreviations 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-

Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
Old SB	2	Definitions	SBC	MD 102	Bef 02/72	2/21/1972	40 CFR 52.2236(e)(4)(i)(A)	12/21/1978	43 FR 59489
Old SB	5 (a)	Public Availability of Emissions Data	SBC	None	Bef 02/73	7/25/1973	40 CFR 52.220(c)(21)(xv)(A)	6/14/1978	43 FR 25684
RC	51	Nuisance	RC	MD 402, 07/25/1977 via Res. 94-03	Bef 02/72	2/21/1971	40 CFR 52.220(c)(7)	5/31/1977	
RC	52	Particulate Matter - Concentration		MD 405, 07/25/1977 via Res. 94-03	Bef 06/72		40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
RC	53	Specific Air Contaminants	RC	MD 406, 02/20/1979 via Res. 94-03	G-73	6/6/1977	40 CFR 52.240(a)(1)&(d)(1)(i)	1/16/1981	46 FR 3883
RC	54	Solid Particulate Matter, Weight	RC	MD 405, 07/25/1977 via Res. 94-03	Bef 06/72	6/30/1972	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 4011
Old SB	54A	Solid Particulate Matter, Weight	SBC	MD 405, 07/25/1977	Unknown	6/30/1972	40 CFR 52.240(a)(1)&(d)(1)(i)	1/16/1981	46 FR 3883
RC	56	Scavenger Plants	RC	None	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
RC	58	Disposal of Solid and Liquid Wastes	RC	MD 473, 7/25/77 via Reso 04-03	Bef 06/72		40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
Old SB	58 A	Disposal of Solid and Liquid Wastes	SBC	MD 473, 07/25/77	Bef 02/72		40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
Old SB	62.1	Sulfur Content of Natural Gas	SBC	None but See MD 431	Bef 02/72	2/21/1972	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
Old SB	67	Fuel Burning Equipment	SBC	None but See MD 474 and 476	Bef 02/72		40 CFR 52.220(b)(1)(ii)(C)	6/9/1982	47 FR 25013
RC	67	Fuel Burning Equipment	RC	None but See MD 474 and 476	Bef 11/79		40 CFR 52.220(c)(1)(i)	5/18/1981	46 FR 27116
Old SB	69	Vacuum Producing Devices or Systems	SBC	Fed Neg Dec. 12/21/1994	Bef 02/72	2/21/1972	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR3886
Old SB	70	Asphalt Air Blowing	SBC	Fed Neg Dec. 10/26/1994	Bef 02/72	2/21/1972	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3886
RC	72	Fuel Burning Equipment	RC	MD 474, 01/22/1996; MD 475 03/16/1981; and MD 476 01/22/1996 via Res. 94-03	Bef 11/79	11/19/1979	40 CFR 52.280(c)(1)(i)	5/18/1981	46 FR 27116
RC	73	Lead Content and Volatility of Gasoline	RC	None	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 4001
Old SB	73	Dry Sandblasting	SBC	None	Bef 02/72	4/10/1975	40 CFR 52.220(C)(27)(v)	6/14/1978	43 FR 25684
RC	74	Vacuum Producing Devices or Systems	RC	Fed Neg Dec12/21/1994	Bef 06/72	6/30/1972	40 CFR 52.269(b)(3)(ii)(A)		
SC	101	Title	RC	7/1/1993 via Res. 94-03	Bef 11/77	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	101	Title	SBC	7/1/1993	12/19/1998	3/26/1990	40 CFR 52.220(c)(179)(i)(B)	11/27/1990	55 FR 49281
MD	102	Definition of Terms			4/23/2018	8/17/2018	40 CFR 52.220(c)(520)(i)(A)(1)	7/2/2019	84 FR 31682
MD	102	Definition of Terms		8/26/2019	(SIP Sub)				
MD	103	Definition of District Boundaries	MD	6/28/1995	Current	8/10/1995	40 CFR 52.220(c)(224)(i)(C)(2)	6/3/1999	64 FR 29790
SB	103	Definition of Terms (Unknown rule - no record except in FR reference)	SBC	None	Bef 11/77	11/4/1977	40 CFR 52.236(e)(3)(i)	1/16/1981	46 FR 3883
SC	104	Reporting of Source Data Analysis	RC			8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	104	Reporting of Source Data Analysis		12/19/1988	Current	3/26/1990	40 CFR 52.220(c)(179)(i)(B)(i)	11/27/1990	55 FR 49281
SC	106	Increments of Progress	RC	12/19/1988 via Res. 94-03	Bef 06/78	8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	106	Increments of Progress		12/19/1988	Current	3/26/1990	40 CFR 52.220(c)(179)(i)(B)(i)	11/27/1990	55 FR 49281
MD	107	Certification and Emissions Statements	MD	9/14/1992	Current	11/12/1992	40 CFR 52.220(c)(190)(i)(F)(1)	5/26/2004	69 FR 29880
SC	107	Determination of Volatile Organic Compounds in Coating Material	RC		Bef 3/1/82	3/1/1982	40 CFR 52.220(c)(121)(c)(v)(B)	10/11/1983	48 FR 46046
SC	108	Alternate Emission Control Plans	RC	None	4/6/1990	12/31/1990	40 CFR 52.220(c)(182)(i)(A)(3)	8/30/1993	58 FR 45445
SC	109	Record keeping for Volatile Organic Compound Emissions	RC	None	Bef 09/92	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(6)	4/13/1995	60 FR 18751
SC	201	Permit to Construct	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	201	Permit to Construct	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	202	Temporary Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	202	Temporary Permit to Operate	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	203	Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	203	Permit to Operate	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	204	Permit Conditions	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	204	Permit Conditions	SBC	7/25/1977	G-73				
SC	205	Cancellation of Application	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	205	Cancellation of Application	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	206	Posting of Permit to Operate	RC	7/25/1977 via Res 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	206	Posting of Permit to Operate	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	207	Altering or Falsifying of Permit	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	207	Altering or Falsifying of Permit	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	208	Permit for Open Burning	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	208	Permit for Open Burning	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	209	Transfer and Voiding of Permit	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	209	Transfer and Voiding of Permit	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	212	Standards for Approving Permits	RC	7/25/1977 via Res. 94-03	5/1/1987	6/9/1987	40 CFR 52.220(c)(173)(i)(A)(1)	2/3/1989	54 FR 5448
SB	212	Standards for Approving Permits	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	217	Provision for Sampling and Testing Facilities	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	217	Provision for Sampling and Testing Facilities	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	218	Stack Monitoring	RC	7/25/1977 via Res. 94-03	Bef 10/81	10/23/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SO	218	Stack Monitoring	SEC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SB	219	Equipment Not Requiring a Written Permit	SBC	1/28/2019	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	219	Equipment Not Requiring a Written Permit Pursuant to Regulation II	RC	1/28/2019	9/4/1981	10/23/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
MD	219	Equipment Not Requiring a Written Permit	MD	1/28/2019	(SIP Sub)				
SC	220	Exemtion, Net Increase in Emissions	RC	11/25/1991 via Res. 94-03	8/7/1981	10/23/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231

~~permit.~~

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

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

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
312	*Fees for Federal Operating Permits*	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	¥	-
401	*Visible Emissions*	SB - 7/25/1977RC - 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)]	¥	-
403	*Fugitive Dust*	SB - 7/25/1977 RC - 7/25/1977	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(B)] RC - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)]	¥	-
403.2	*Fugitive Dust Control for the Mojave Desert Planning Area*	N/A	**SIP Pending:** as amended 07/22/1996 and submitted 10/18/1996	?	
404	*Particulate Matter Concentration*	-	[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	¥	-
405	*Solid Particulate Matter, Weight*	-	[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A); Approved	¥	-

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
			6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]		
406	*Specific Contaminants*	SB - 7/25/1977 (subdivision (a)) RC - None	SB - [SIP: Approved, 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	¥	-
407	*Liquid and Gaseous Air Contaminants*	5/7/76	SB - [SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C)] RC - [Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	¥	-
408	*Circumvention*	5/7/76	[SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	¥	-
409	*Combustion Contaminants*	5/7/76	[SIP: Approved 9/8/78; 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	¥	-

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
430	*Breakdown Provisions*	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	-
431	*Sulfur Content of Fuels*	SB - 10/8/1976 RC - ?	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	*Research Operations*	-	**SIP: Not SIP: District Rule 441 –** *Research Operations* Disapproved 1/16/81 and 40 CFR 52.272(a)(9)(i)]	N	-
442	*Usage of Solvents*	2/27/06	[SIP: Approved 09/17/2007, 72 FR 52791, 40 CFR 52.220(c)(347)(i)(C)(1)]	Y	-
444	*Open Outdoor Fires*	9/25/06	[SIP: Approved 10/31/2007, 72 FR 61525, 40 CFR 52.220(c)(350)(B)(1)]	Y	-
1104	*Organic Solvent Degreasing Operations*	9/28/94	[SIP: Approved: 4/30/96, 61 FR 18962, 40 CFR	Y	-

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
			52.220(c)(207)(I)(D)(2)]		
1113	*Architectural Coatings*	4/23/12	[SIP: Approved: 1/03/14, 79 FR 364, 40 CFR 52.220(c)(428)(i)(C)]	¥	-
1114	*Wood Products Coating Operations*	11/25/96	[SIP: Approved: 08/18/98, 63 FR 44132, 40 CFR 52.220(c)(244)(i)(C); Approved 61 FR 18962, 04/30/96]	¥	-
1115	*Metal Parts and Products Coating Operations*	4/22/96	[SIP: Approved 12/23/97, 62 FR 67002, 40 CFR 52.220(c)(239)(i)(A)(2)]	¥	-
1116	*Automotive Finishing Operations*	8/23/10	[SIP: Approved 8/9/12, 77 FR 47536, 40 CFR 52.220(c)(388)(i)(F)(1)]	¥	-
1160	*Internal Combustion Engines*	1/22/18	SIP Pending 5/28/18	¥	RACT update CARB submittal date to EPA 5/28/1
1302	*NSR - Procedure*	3/25/96	[SIP: Approved 11/13/1996, 61 FR 58133, 40 CFR 52.220(c)(239)(i)(A)(1)]	¥	-
Regulation XII	*Federal Operating Permits*	-	SIP: Not SIP. Final Title V Program Approval 11/21/03 68 FR 65637; Partial Withdrawal of approval 10/15/02 67 FR 63551; Notice of Deficiency 05/22/02 67 FR 35990; Approval 12/17/01 66	-	-

~~District Rule~~	~~Title~~	~~SIP Rule Version~~	~~Citation~~	~~Federally Enforceable~~	~~Notes~~
			~~FR 63503; Interim Approval 02/05/96 61 FR 4217]~~		

Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
SC	221	Plans	RC	None	1/4/1985	11/12/1985	40 CFR 52.220(c)(165)(i)(B)(1)	4/17/1987	52 FR 12522
MD	221	Federal Operating Permit Requirement	MD	2/28/2011	2/21/1994	3/31/1995	40 CFR 52.220(c)(216)(i)(A)(2)	2/5/1996	61 FR 4217
MD	221	Federal Operating Permit Requirement	MD	2/28/2011	(SIP Sub)	6/21/2011			
MD	222	Limitation on Potential to Emit	MD	2/28/2011	7/31/1995	10/13/1995	40 CFR 52.220(c)(225)(i)(H)(1)	8/31/2004	69 FR 53005
MD	222	Limitation on Potential to Emit	MD	2/28/2011	(SIP Sub)	6/21/2011			
SC	301.2	Fee Schedules	RC	None	6/3/1983	7/19/1983	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
MD	315	Federal Clean Air Act Section 185 Penalty	MD	10/24/2011	(SIP Sub)	12/14/2011			
SC	401	Visible Emissions	RC	8/26/2019	4/7/1989	3/26/1990	40 CFR 52.220(c)(155)(iv)(B)	1/29/1985	50 FR 3906
MD	401	Visible Emissions	MD	8/26/2019	Sip Sub				
SC	403	Fugitive Dust		7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	403	Fugitive Dust	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	403.1	Respirable Particulate Matter in SVPA	MD	11/25/1996	11/25/1996	3/3/1997	40 CFR 52.220(c)(224)(i)(C)(2)	8/13/2009	74 FR 40750
MD	403.2	Fugitive Dust Control for MDPA	MD	7/22/1996	(SIP Sub)	10/18/1996			
SC	404	Particulate Matter, Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	8/11/1980	FR Text	6/9/1982	47 FR 25013
SC	404	Particulate Matter, Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	2/3/1983	40 CFR 52.220(c)(137)(vii)(B)	10/4/1984	49 FR 41028
SB	404	Particulate Matter - Concentration	SBC	7/25/1977	Current	11/4/1977	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52489
SC	405	Solid Particulate Matter, Weight	RC	7/25/1977 via Res. 94-03	5/7/1976	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	405	Solid Particulate Matter, Weight	SBC	7/25/1977	Current	11/4/1977	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52489
SB	406	Specific Contaminants	SBC	2/20/1979	7/25/1977	11/4/1977	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489
SC	407	Liquid and Gaseous Air Contaminants	RC	7/25/1977 via Res. 94-03	4/2/1982	8/6/1982	40 CFR 52.220(c)(124)(iv)(A)	11/10/1982	47 FR 50864
SB	407	Liquid and Gaseous Air Contaminants	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	408	Circumvention	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	408	Circumvention	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	409	Combustion Contaminants	RC	7/25/1977 via Res. 94-03	8/7/1981	10/23/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SB	409	Combustion Contaminants	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SB	431	Sulfur Content of Fuels	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
SC	431.1	Sulfur Content of Gaseous Fuels	RC	See MD 431	5/6/1983	7/19/1983	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
SC	431.2	Sulfur Content of Liquid Fuels	RC	See MD 431	Bef 8/80	8/11/1980	FR Text	6/9/1982	47 FR 25013
SC	431.3	Sulfur Content of fossil Fuels	RC	See MD 431	Bef 8/80	8/11/1980	FR Text	6/9/1982	47 FR 25013
SC	432	Gasoline Specifications		7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	432	Gasoline Specifications	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	442	Usage of Solvents	MD	2/27/2006	Current	10/5/2006	40 CFR 52.220(c)(347)(i)(C)(1)	9/17/2007	72 FR 52791
SC	443	Labeling of Solvents	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	443	Labeling of Solvents				6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	444	Open Fires		9/25/2006	Current	5/8/2007	40 CFR 52.220(c)(350)(B)(1)	10/31/2007	72 FR 61525
SC	461	Gasoline Transfer and Dispensing	RC	1/22/2018	Bef 2/83	2/3/1983	40 CFR 52.220(c)(127)(vii)(B)	5/3/1984	49 FR 18829
MD	461	Gasoline Transfer and Dispensing	MD	1/22/2018	5/25/1994	7/13/1994	40 CFR 52.220(c)(198)(i)(E)(1)	5/3/1995	60 FR 21702
MD	461	Gasoline Transfer and Dispensing	MD	1/22/2018	(SIP Sub)	5/18/2018			
SC	462	Organic Liquid Loading	RC	1/22/2018	Bef 8/80	8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	462	Organic Liquid Loading	MD	1/22/2018	5/24/1994	7/13/1994	40 CFR 52.220(c)(198)(i)(E)(1)	5/3/1995	60 FR 21702
MD	462	Organic Liquid Loading	MD	1/22/2018	(SIP Sub)	5/18/2018			
SC	463	Storage of Organic Liquids	RC	1/22/2018	Bef 10/84	10/19/1984	40 CFR 52.220(c)(156)(vii)(A)	1/15/1987	52 FR 1627
MD	463	Storage of Organic Liquids	MD	1/22/2018	11/2/1992	1/11/1993	40 CFR 52.220(e)(191)(i)(C)	5/3/1995	60 FR 21702
MD	463	Storage of Organic Liquids	MD	1/22/2018	(SIP Sub)	5/18/2018			
MD	464	Oil Water Separators		6/12/2014	Current	11/16/2014	40 CFR 52.220(c)(457)(i)(B)(1)	6/5/2015	80 FR 32026
SC	465	Vacuum Producing Devices orSystems	RC	Rescinded & Fed. Reg. Dec 12/21/1994	Bef 5/91	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(2)	8/11/1992	57 FR 35759
MD	465	Vacuum Producing Devices or Systems (Rescinded)	MD	Rescinded & Fed. Reg. Dec 12/21/1994	Not SIP	12/29/1994	40 CFR 52.222(a)(1)(iii)	9/11/1995	60 FR 47074
SC	466	Pumps and Compressors	RC	Rescinded & See 1102 10/26/94	Bef 12/83	12/2/1983	40 CFR 52.220(c)(166)(i)(A)(1)	1/15/1987	52 FR 1627
MD	466	Pumps and Compressors (Rescinded)	MD	Rescinded & See 1102 10/26/94	Not SIP	11/30/1994	40 CFR 52.220(e)(39)(ii)(G)	8/19/1999	64 FR 45175
SC	466.1	Valves and Flanges	RC	None	5/2/1980	8/11/1980	FR Text	6/9/1982	47 FR 25013
SC	468	Sulfur Recovery Units	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	468	Sulfur Recovery Units	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	469	Sulfuric Acid Units	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	469	Sulfuric Acid Units		7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	471	Asphalt Roofing Operations		12/21/1994	Current	12/22/1994	40 CFR 52.220(e)(210)(i)(C)(2)	2/29/1996	61 FR 7706
SC	472	Reduction of Animal Matter	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Text	6/9/1982	47 FR 25013
SB	472	Reduction of Animal Matter	SBC	7/21/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	473	Disposal of Liquid and Solid Wastes	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	474	Fuel Burning Equipment - Oxides of Nitrogen	MD	8/25/1997	Bef 11/96	11/26/1996	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
MD	474	Fuel Burning Equipment - Oxides of Nitrogen	MD	8/25 1997	Current	3/10/1998	??	??	??
MD	475	Electric Power Generating Equipment	MD	8/25/1997	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
MD	476	Steam Generating Equipment	MD	8/25/1997	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
SB	480	Natural Gas Fired Control Devices	SBC	2/20/1979	Current	5/23/1979	40 CFR 52.220(c)(51)(iii)(A)	1/27/1981	46 FR 8471

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Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
SC	481	Spray Coating Operations	RC	1113, 1114, 1115 & 1116	5/5/1978	8/11/1980	FR Text	6/9/1982	47 FR 25013
SC	501	General	RC	6/10/2019	Bef 8/80	8/11/1980	FR Text	6/9/1982	47 FR 25013
MD	900	Standards of Performance for New Stationary Sources	MD	2/25/2019	Delegated				
MD	1000	National emissions Standards fro Hazardous Air Pollutants	MD	2/25/2019	Delegated				
SC	1101	Secondary Lead Smelters/Sulfur Oxides (SC Adopted 10/7/77)	RC	None	4/4/1980	8/11/1980	FR Text	6/9/1982	47 FR 25013
SC	1102	Petroleum Solvent Dry Cleaners (SC Amended 12/7/90)	RC	None	12/7/1990	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
MD	1102	Fugitive Emissions of VOC's from Components at Pipeline Transfer Stations	MD	10/26/1994	Current	11/30/1994	40 CFR 52.220(c)(207)(i)(D)	9/27/1995	60 FR 49772
SC	1102.1	Perchloroethylene Dry Cleaning Systems	RC	None	12/7/1990	5/31/1991	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
SC	1103	Pharmaceuticals and Cosmetics Manufacturing Operation	RC	None	4/6/1980	4/23/1980	40 CFR 52.220(c)(69)(iii)	7/8/1982	47 FR 29668
MD	1103	Cutback and Emulsified Asphalt	MD	12/21/1994	Current	12/22/1994	40 CFR 52.220(c)(207)(i)(C)(1)	2/5/1996	61 FR 4215
SC	1104	Wood Flat Stock Coating Operations (SC Amended 8/2/91)		None	3/1/1991	10/25/1991	40 CFR 52.220(c)(186)(i)(C)(1)	6/23/1994	59 FR 32354
MD	1104	Organic Solvent Degreasing Operations	MD	4/23/2018	Current	7/16/2018	40 CFR 52.220(c)(519)(i)(A)(1)	7/2/2019	84 FR 31682
SC	1105	Fluid Catalytic Cracking Units Oxides of Nitrogen (SC Adopted 9/8/84)	R/	None	9/8/1984	2/6/1985	40 CFR 52.220(c)(159)(v)(C)	7/12/1990	55 FR 28625
MD	1106	Marine & Pleasure Craft Coating Operations	MD	10/24/2016	Current	Aft 10/2016	40 CFR 52.220(c)(498)(i)(B)(1)	2/12/2018	83 FR 5940
SC	1107	Miscellaneous Metal Parts, Products and Coatings Operations	RC	None	9/6/1991	5/13/1993	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66285
SC	1108	Cutback Asphalt	RC	None	2/1/1985	4/12/1985	40 CFR 52.220(c)(160)(i)(E)(1)	7/12/1990	55 FR 28624
SC	1108.1	Emulsified Asphalt	RC	None	Bef 3/84	3/14/1984	40 CFR 52.220(c)(153)(vii)(A)	1/24/1985	50 FR 3339
SC	1110	Emissions from Stationary Internal Combustion Engines	RC	None	Bef 3/82	3/1/1982	40 CFR 52.220(c)(121)(i)(C)	5/3/1984	47 FR 18822
SC	1111	NOx Emissions from Natural Gar Fired, Fan Type Central Furnaces	RC	None	Bef 10/83	10/27/1983	40 CFR 52.220(c)(148)(vi)(A)	5/3/1984	49 FR 18830
SC	1112	Emissions of Oxides of Nitrogen from Cement Kilns	RC	None	1/6/1984	4/12/1984	40 CFR 52.220(c)(154)(vii)(B)	1/7/1986	51 FR 600
SC	1113	Architectural Coatings	RC	4/23/2012	Bef 7/84	7/10/1984	40 CFR 52.220(c)(155)(iv)(A)	1/24/1985	50 FR 3339
MD	1113	Architectural Coatings	MD	4/23/2012	Current	2/6/2013	40 CFR 52.220(c)(428)(i)(C)(1)	1/3/2014	79 FR 365
MD	1114	Wood Products Coating Operations	MD	1/22/2018	Current	3/3/1997	40 CFR 52.220(c)(518)(i)(A)(1)	7/2/2019	84 FR 31682
SC	1115	Motor Vehicle Assembly and Component Coating Operations	RC	None	3/6/1992	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(1)	12/20/1993	58 FR 66282
MD	1115	Metal Parts & Products Coating Operations	MD	1/22/2018	Current	5/23/2018	40 CFR 52.220(c)(518)(i)(A)(2)	2/27/2020	85 FR 11812
MD	1116	Automative Refinishing Operations	MD	8/23/2010	Current	4/5/2011	40 CFR 52.220(c)(388)(i)(F)(1)	8/19/2012	77 FR 47536
SC	1117	Emissions of Oxides of Nitrogen from Glass Melting Furnaces	RC	None	SC 1/6/1984	12/3/1984	40 CFR 52.220(c)(159)(v)(D)	7/12/1990	55 FR 28624
MD	1117	Graphic Arts	MD	9/28/2009	Current	7/20/2010	40 CFR 52.220(c)(381)(i)(H)(1)	3/1/2012	77 FR 12495
MD	1118	Aerospace Vehicle Parts & Products Coating Operations	MD	10/26/2015	Current	4/21/2016	40 CFR 52.220(c)(485)(i)(B)(1)	6/21/2017	82 FR 28240
SC	1119	Petroleum Coke Calcining Operations Oxides of Sulfur	RC	None	3/2/1979	7/25/1980	40 CFR 52.220(c)(88)(iii)(A)	9/28/1981	46 FR 47451
SC	1120	Asphalt Pavement Heaters	RC	None	8/4/1978	7/25/1980	40 CFR 52.220(c)(65)(ii)	9/28/1981	46 FR 47451
SC	1121	Control of Nitrogen Oxides from Residential Type Natural Gas Fired Water Heaters	RC	None	12/1/1978	4/2/1980	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451
SC	1122	Solvent Metal Cleaners (Degreasers)		None	7/8/1983	10/27/1983	40 CFR 52.220(c)(148)(vi)(B)	10/3/1984	49 FR 39057
SC	1123	Refinery Process Turnaround	RC	None	SC 12/7/1990	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(2)	8/11/1992	57 FR 35758
SC	1124	Aerospace Assembly and Component Coating Operations	RC	None	BEF 4/84	4/19/1984	40 CFR 52.220(c)(154)(vii)(A)	1/24/1985	50 FR 3339
SC	1125	Metal Container, Closure and Coil Coating Operations	RC	None	SC 8/2/1991	5/13/1993	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17898
SC	1126	Magnet Wire Coating Operations	RC	None	SC 3/6/1992	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(2)	12/20/1993	58 FR 66286
MD	1126	Municipal Solid Waste Landfills	MD	8/28/2000	Not SIP	12/20/200	40 CFR 60.23		
SC	1128	Paper, Fabric and Film Coating Operations	RC	None	SC 2/7/1992	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66287
SC	1130	Graphic Arts	RC	None	Bef 5/1993	5/13/1993	40 CFR 52.220(c)(193)(i)(A)(2)	4/14/1994	59 FR 17698
SC	1136	Wood Furniture and Cabinet Coatings	RC	None	Bef 5/92	5/13/1992	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17698
SC	1140	Abrasive Blasting	RC		2/1/1980	4/2/1980	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451
SC	1141	Control of Volatile Organic Compound Emissions from Resin Manufacturing	RC	None	SC 4/3/1992	9/19/1992	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66286
SC	1141.1	Coatings and Ink Manufacturing	RC	None	11/4/1983	3/14/1984	40 CFR 52.220(c)(153)(vii)(B)	1/24/1985	50 FR 3339
SC	1141.2	Surfactant Manufacturing	RC	None	SC 7/6/1984	10/19/1984	40 CFR 52.220(c)(156)(vii)(A)	1/15/1987	52 FR 1627
SC	1142	Marine Tank Vessel Operations	RC	None		1/28/1992	40 CFR 52.220(c)(187)(i)(C)(1)		
SC	1145	Plastic, Rubber and Glass Coatings	RC	None	SC 1/10/1992	1/11/1993	40 CFR 52.220(c)(191)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1148	Thermally Enhanced Oil Recovery Wells	RC	None	Bef 10/1983	10/27/1983	40 CFR 52.220(c)(148)(vi)(B)	??	??
SC	1151	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations	RC	None	Bef 5/13/1993	5/13/1993	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1153	Commercial Bakery Ovens	RC	None	SC 1/4/1991	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(3)	9/29/1993	58 FR 50850
MD	1157	Boilers and Process Heaters	MD	1/22/2018	5/19/1997	8/1/1997	40 CFR 52.220(c)(248)(i)(D)	4/20/1999	64 FR 19277
MD	1157	Boilers and Process Heaters	MD	1/22/2018	(SIP Sub)	5/23/2018			
SC	1158	Storage, Handling and Transport of Petroleum Coke	RC	None	SC Bef 5/93	3/14/1984	40 CFR 52.220(c)(153)(vii)(B)	1/15/1987	52 FR 1627
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	8/25/1997	3/10/1998	40 CFR 52.220(c)(254)(i)(H)(2)	7/20/1999	64 FR 38832
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	(SIP Sub)	11/13/2017			
SC	1159	Nitric Acid Units - Oxides of Nitrogen	RC	None	SC 12/6/1985	2/10/1986	40 CFR 52.220(c)(168)(I)(H)	7/12/1990	55 FR 28622
MD	1159	Stationary Gas Turbines	MD	9/28/2009	Current	5/17/2010	40 CFR 52.220(c)(379)(i)(E)(1)	10/25/2012	77 FR 65133
MD	1160	Internal Combustion Engines	MD	1/22/2018	10/26/1994	11/30/1994	40 CFR 52.220(c)(207)(i)(D)(3)	11/1/1996	61 FR 56470
MD	1160	Internal Combustion Engines	MD	1/22/2018	(SIP Sub)	5/23/2018			
MD	1161	Portland Cement Kilns	MD	1/22/2018	3/25/2002	6/18/2002	40 CFR 52.220(c)(300)(i)(A)(1)	2/27/2003	68 FR 9015
MD	1161	Portland Cement Kilns	MD	1/22/2018	(SIP Sub)	5/23/2018			
MD	1162	Polyester Resin Operations	MD	1/22/2018	8/27/2007	3/7/2008	40 CFR 52.220(c)(354)(i)(B)(1)	11/24/2008	73 FR 70883

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MD	1162	Polyester Resin Operations	MD	1/22/2018	Current	5/23/2018	40 CFR 52.220(c)(519)(i)(A)(1)	2/27/2020	85 FR 11812
SC	1164	Semiconductor Manufacturing Operations	RC	None	Bef 10/1993			10/26/1993	58 FR 48459
MD	1165	Glass Melting Furnaces	MD	8/12/2008	Current	12/23/2008	40 CFR 52.220(c)(364)(i)(D)(1)	7/2/2012	77FR 39181
SC	1171	Solvent Cleaning	RC	None	SC 8/2/1991	6/19/1992	40 CFR 52.220(c)(188)(i)(C)(1)	12/20/1993	58 FR66285
SC	1173	Fugitive Emissions of Volatile Organic Compounds	RC	None	12/7/1990	6/18/1992	40 CFR 52.220(c)(188)(i)(c)(1)	12/20/1993	58 FR 66285
SC	1175	Control of Emissions from the Manufacture of Polymeric Cellular (Foam) Products	RC	None	SC Bef 5/91	??	40 CFR 52.220(c)(182)(8)(A)(1)	??	??
SC	1176	Sumps and Wastewater Separators	RC	None	Bef 12/1990	12/31/1990	40 CFR 52.220(c)(182)(i)(A)(1)	10/26/1992	57 FR 48459
MD	1200	General (Federal Operating Permit)	MD	2/28/2011					
MD	1201	Definitions (Federal Operating Permit)	MD	9/26/2005					
MD	1202	Applications	MD	9/26/2005					
MD	1203	Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005					
MD	1205	Modifications of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005					
MD	1206	Reopening, Reissuance and Termination of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005					
MD	1207	Notice and Comment (Federal Operating Permit)	MD	9/26/2005					
MD	1208	Certification (Federal Operating Permit)	MD	9/26/2005					
MD	1209	Appeals (Federal Operating Permit)	MD	9/26/2005					
MD	1210	Acid Rain Provisions of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005					
MD	1211	Greenhouse Gas Provisions of Federal Operating Permits (Federal Operating Permit)	MD	2/28/2011					
MD	1300	General	MD		3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1300	General	MD	8/22/2016	(SIP Sub)	1/24/2017			
MD	1301	Definitions	MD	9/24/2001	3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1301	Definitions	MD	9/24/2001	(SIP Sub)	12/14/2001			
MD	1302	Procedure	MD	8/22/2016	3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1302	Procedure	MD	8/22/2016	(SIP Sub)	1/24/2017			
MD	1303	Requirements	MD	9/24/2001	3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1303	Requirements	MD	9/24/2001	(SIP Sub)	12/14/2001			
MD	1304	Emissions Calculations	MD	9/24/2001	3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1303	Emissions Calculations	MD	9/24/2001	(SIP Sub)	12/14/2001			
MD	1305	Emissions Offsets	MD	8/28/2006	3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1305	Emissions Offsets	MD	8/28/2006	(SIP Sub)	12/29/2006			
MD	1306	Electric Energy Generating Facilities			3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1306	Electric Energy Generating Facilities		9/24/2001	(SIP Sub)	12/14/2001			
MD	1310	Federal Major Facilities and Federal Major Modifications		8/28/2006	(SIP Sub)	12/29/2006			
MD	1400	General (Emission Reduction Credits)	MD	6/28/1995	Current	8/10/1995	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1401	Definitions (Emissions Reduction Credits)	MD	6/28/1995	Current	8/10/1995	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1402	Emission Reduction Credits Registry	MD		6/28/1995	8/10/1995	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1404	Emission Reduction Credit Calculations	MD	6/28/1995	Current	8/10/1995	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1520	Control of Toxic Air Contaminants From Existing Sources	MD	3/25/2019	(SIP Sub)				
MD	1600	Prevention of Significant Deterioration	MD	8/22/2016	(SIP Sub)	1/24/2017			
MD	2001	Transportation Conformity	MD	2/22/1995	??				
MD	2002	General Federal Actions Conformity	MD	10/26/1994	Current	5/10/1996	40 CFR 52.220(c)(231)(i)(C)(1)	4/23/1999	64 FR 19916
MD	FND	Fed. Neg. Dec. - Asphalt Air Blowing	MD		Current	12/20/1994	40 CFR 52.222(a)(1)(ii)	9/11/1995	60 FR 47074
MD	FND	Fed. Neg. Dec. - Air Oxidation Process - SOCMI	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	RC	5/25/1994 via Res. 94-03	Unknown				
MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	SBC	5/25/1994	Current	12/29/1994		1/31/1995	60 FR 38
MD	FND	Fed. Neg. Dec. - Equipment Leaks from Natural Gas/Gasoline Processing Plants	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Fugitive Emissions From Syntehetic Organic chemical Polymer and Resin manufacturing Equipment	MD	8/23/2010	Current	10/22/2010	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Industrial Wastewater	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Large Petroleum Dry Cleaners	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Leaks from Petroleum Refinery Equipment	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Manufacture of High-Dennity Polyethylene, Polypropylene, and Polystyrene Resins	MD	8/23/2010	Current	10/22/2010	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	RC	5/25/1994 via Res. 94-03	Unknown				
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	SBC	5/25/1994	Current	7/13/1994	40 CFR 52.222(a)(1)(i)	1/31/1995	60 FR 38
MD	FND	Fed. Neg. Dec. - Offset Lithography	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Orchard & Citrus Heaters	MD	6/24/1996	??				
MD	FND	Fed. Neg. Dec. - Petroleum Refinery Equipment	MD	8/23/2010	Current	10/22/2010	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (Business Machines)	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (other)	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Pneumatic Rubber Tire Manufacturing	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153

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MD	FND	Fed. Neg. Dec. - Polymer Manufacturing SOCMI and Polymer manufacturing Equipment Leaks	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Process Unit Turnarounds	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Reactor Processes and Distillation Operations in SOCMI	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Ship Building	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Surface Coating of Cans	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Coils	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Fabrics	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Large Appliances	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Magnet Wire	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg. Dec. - Surface Coating Operations at Automotive and Light Duty Truck Assembly Plants	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Synthesized Pharmaceutical Products	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Batch Processing	MD		Current	8/7/1995	40 CFR 52.222(a)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Industry	MD		Current	8/7/1995	40 CFR 52.222(a)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Reactors	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Polymer and Resin Manufacturing	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Vacuum Producing Devices	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg. Dec - 2 CTGs for Miscellaneous Metal and Plastic Parts Coatings, Table 3—Plastic Parts and Products, and Table 4—Automotive/Transportation and Business Machine Plastic Parts	MD	4/23/2018	Current	7/16/2018	40 CFR 52.220(c)(519)(ii)(A)(1) and 52.222(a)(1)(viii)	2/27/2020	85 FR 11812
MD	FND	Fed Neg Dec - 1 CTG for Miscellaneous Metal and Plastic Parts Coatings (EPA–453/R–08–003), Table 6—Motor Vehicle Materials	MD	10/22/2018	Current	12/7/2018	40 CFR 52.220(c)(531)(ii)(A)(1) and 52.222(a)(1)(ix)	2/27/2020	85 FR 11812
MD	Title V	Program - Federal Operation Permits: Title V					40 CFR 70 Appx. A California (q)(2)	12/17/2001	66 FR 63503
MD	Title V	Program - Federal Operation Permits: Title V			Unknown		40 CFR 70 Appx. A California (q)(3)	10/15/2002	67 FR 63551
MD	MACT	MACT Delegation (Sections A, F, G, H, I, J, L, M, N, O, Q, R, S, T, U, W, X, Y, AA, BB, CC, DD, EE, GG, HH, II, JJ KK, LL, MM, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, CCC, DDD, EEE, GGG, HHH, III, JJJ, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, TTT, UUU, VVV, XXX, AAAA, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, IIII, JJJJ, KKKK, MMMM, NNNN, OOOO, PPPP, QQQQ, RRRR, SSSS, TTTT,UUUU, VVVV, WWWW, XXXX, YYYY, ZZZZ,AAAAA, BBBBB, CCCCC, DDDDD, EEEEE, FFFFF, GGGGG,HHHHH, IIIII, JJJJJ, KKKKK, LLLLL, MMMMM, NNNNN,PPPPP,QQQQQ, RRRRR, SSSSS,TTTTT,WWWWW,YYYYY, ZZZZZ, BBBBBB, CCCCCC, DDDDDD, EEEEEE, FFFFFF, GGGGGG, HHHHHH, JJJJJJ, LLLLLL, MMMMMM, NNNNNN, OOOOOO, PPPPPP, QQQQQQ, RRRRRR, SSSSSS, TTTTTT, VVVVVV, WWWWWW, XXXXXX, YYYYYY, ZZZZZZ, AAAAAAA, BBBBBBB, CCCCCCC, DDDDDDD, EEEEEEE.	MD		Current				
MD	NESHAP	NESHAPS Delegation (Sections A, C, D, E and M)	SB		N/A				
MD	NSPS	NSPS Delegation (Sections A, D, Da, Db, Dc, E, Ea, Eb, Ec, F, G, H, I, J, Ja, K, Ka, Kb, L, M, N, Na, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AAa, BB, CC, DD, EE, GG, HH, KK, LL, MM, NN, PP, QQ, RR, SS, TT, UU, VV, VVa, WW, AAA, BBB, DDD, FFF,GGG,GGGa, III, JJJ, KKK, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, SSS, TTT, UUU, VVV, WWW, AAAA, CCCC, EEEE, IIII, JJJJ, KKKK.)	MD		Current			4/30/2013	78 FR 25185
MD	FND	19 Source Category FNDs (including Oil & Gas)	MD	10/28/2019	(SIP Sub)	12/20/2019			