

MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

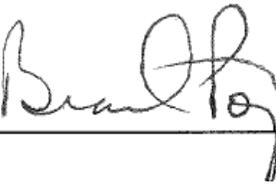
Federal Operating Permit Number: 27700941

For: LUZ SOLAR PARTNERS III - VII

Facility: SEGS (III - VII)

Renewed Pursuant to MDAQMD Regulation XII
Effective Date: October 26, 2016

This Federal Operating Permit Expires
October 26, 2021



Issued By: Brad Poiriez
Executive Director

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PERMIT REVISIONS

None at this time.

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PART I INTRODUCTORY INFORMATION

A. *FACILITY IDENTIFYING INFORMATION:*

<u>Owner/Company Name:</u>	Luz Solar Partners III - VII
<u>Owner Mailing Address:</u>	Luz Solar Partners Ltd. III - VII 41100 US Highway 395 Boron, CA 93516-2109
<u>Facility Name:</u>	SEGS III - VII
<u>Facility Location:</u>	41100 Highway 395 Boron, CA 93516
<u>MDAQMD Federal Operating Permit Number:</u>	27700941
<u>MDAQMD Company Number:</u>	0277
<u>MDAQMD Facility Number:</u>	00941
<u>Responsible Official:</u>	Michael R. Flynn
<u>Title:</u>	Plant General Manager
<u>Phone Number:</u>	760-762-5562 (ext. 395)
<u>Facility "Site" Contacts:</u>	Glen T. King
<u>Title:</u>	Environmental Specialist, SEGS III - IX
<u>Phone Number:</u>	760-762-1505
<u>Fax Number:</u>	760-762-5644
<u>Cellular Number:</u>	661-202-5837
<u>Nature of Business:</u>	Electrical Power Generation
<u>SIC Code:</u>	4911
<u>Facility Location:</u>	UTM (Km) 3874.2 N / 450.0 E

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 27700941) for Luz Solar Partners III - VII located off Highway 395 about 1 mile north of Highway 58, near Boron, California. Luz Solar Partners III - VII, is a Solar Power Production facility. The basic product of the facility is the generation of electrical power. This is accomplished through collection of solar thermal power using parabolic trough concentrators. A heat transfer fluid collects heat in the solar fields, which is then transferred to create steam, which then drives a steam turbine. Supplementary steam from five (5) steam boilers, which are fired on pipeline regulated natural gas, are used to backup the solar steam production. The supplementary steam can operate in full plant capacity or in hybrid mode with the solar steam production to supplement the solar power production. The facility includes five Solar Electric Generating Systems (SEGS), each with a nominal of 30 MW(e). Additional emitting equipment at the facility includes for each of the SEGS units an Auxiliary Heater, an Emergency Generator, a Cooling Tower, an Ullage Vent and a Fire Water Pump. The entire facility also uses a Gasoline Dispensing Unit, a Diesel Dispensing Unit, a Waste Oil Tank, an Abrasive (Sand) Blaster and a Mobile Compressor.

Luz Solar Partners III – VII are a Major Facility (as defined in Rule 1201) for Carbon Monoxide and Nitrogen Oxides.

C. EQUIPMENT DESCRIPTION:

1. Five (5), Natural Gas Fueled Steam Boilers described as follows:
 - a. MDAQMD Permit Number B001793, SEGS III, which is a Mitsubishi, model 28VP-22W, Serial Number D-1306 boiler rated at 360 million Btu/hr input. This boiler has an output of 310,000 lb/hr of steam at 1565 psia and 954°F and includes the 470 hp driven Forced Draft Fan, three low pressure feed-water pumps, at 390 hp each, P-500, A, B and C and 2 high pressure feed-water pumps, each at 490 hp, P-300 A, and B and 2 MHI low NO_x burners, whose serial numbers are 80299 and 80300. Optional steam injection by manual control for additional NO_x is available. Design exhaust properties are 112,000 ACFM at 350°F with values of 17%, 3%, and 8% (dry) for water vapor, oxygen and carbon dioxide on volume per volume bases.
 - b. MDAQMD Permit Number B001802, SEGS IV, which is a Mitsubishi, model 28VP-22W, Serial Number D-1307 boiler rated at 360 million Btu/hr input. This boiler has an output of

- 310,000 lb/hr of steam at 1565 psia and 954°F and includes the 470 hp driven Forced Draft Fan, three low pressure feed-water pumps, at 390 hp each, P-200, A, B and C and 2 high pressure feed-water pumps, each at 490 hp, P-300 A, B and C and 2 MHI low NO_x burners, whose serial numbers are 80301 and 80302. Optional steam injection by manual control for additional NO_x is available. Design exhaust properties are 112,000 ACFM at 350°F with values of 17%, 3%, and 8% (dry) for water vapor, oxygen and carbon dioxide on volume per volume bases.
- c. MDAQMD Permit Number B001805, SEGS V, which is a Mitsubishi, model 28VP-22W, Serial Number D-1308 boiler rated at 360 million Btu/hr input. This boiler has an output of 310,000 lb/hr of steam at 1565 psia and 954°F and includes the 470 hp driven Forced Draft Fan, three low pressure feed-water pumps, at 390 hp each, P-200, A, B and C and 2 high pressure feed-water pumps, each at 490 hp, P-300 A, B and 2 MHI low NO_x burners, whose serial numbers are 80305 and 80306. Optional steam injection by manual control for additional NO_x is available. Design exhaust properties are 112,000 ACFM at 350°F with values of 17%, 3%, and 8% (dry) for water vapor, oxygen and carbon dioxide on volume per volume bases, respectively.
- d. MDAQMD Permit Number B001882, SEGS VI, which is a Foster-Wheeler (Serial Number 6796) boiler rated at 367 million Btu/hr input. This boiler has an output of 319000 lb/hr of steam at 1448 psia and 960°F and includes the 800 hp driven Forced Draft Fan, Boiler Water Electric Heater, at 140 kW(e), H-545 and feed-water pumps, at 1086 hp each, P-520, and P-521 and 4 John Zink AVC-SF-30G-1R1 low NO_x burners, each labeled 526111-1. Flue gas recirculation and air pre-heat are additional NO_x controls are available. Design exhaust properties are 104,000 ACFM at 240°F with values of 17%, 2%, and 10% (dry) for water vapor, oxygen and carbon dioxide on volume per volume bases, respectively.
- e. MDAQMD Permit Number B001885, SEGS VII, which is a Foster-Wheeler (Serial Number 6797) boiler rated at 367 million Btu/hr input. This boiler has an output of 319000 lb/hr of steam at 1448 psia and 960°F and includes the 800 hp driven Forced Draft Fan, 250 hp driven Gas Recirculation Fan, Boiler Water Electric Heater, at 140 kW(e), H-545 and feed-water pumps, at 1086 hp each, P-520, and P-521 and 4 John Zink AVC-SF-30G-1R1 low NO_x burners, each labeled 52610-1. Flue gas recirculation and air pre-heat are additional NO_x controls are available. Design exhaust properties are 104,000 ACFM at 240°F with values of 17%, 2%, and 10% (dry) for water vapor, oxygen and carbon dioxide on volume per volume bases, respectively.
2. Five (5) natural gas fired auxiliary heaters for freeze protection are described as follows:

- a. MDAQMD Permit Number B001794, SEGS III is an Entec (serial number 1350-1), whose rated input is 20 million Btu/hr. The burner is by McGill Americas, Inc. Model SRGR-13R, serial number 1350-1. Typical exhaust gas properties are: 7,650 ACFM at 1000°F with 3% oxygen, volume per volume basis.
 - b. MDAQMD Permit Number B001803, SEGS IV is an Entec (serial number 86539-B), whose rated input is 20 million Btu/hr. The burner is by McGill Americas, Inc. Model SRGR-13R, serial number 1350-1. Typical exhaust gas properties are: 7,650 ACFM at 1000°F with 3% oxygen, volume per volume basis.
 - c. MDAQMD Permit Number B001806, SEGS V is a Thermoflux (serial number 6011), whose rated input is 21.2 million Btu/hr. The burner is by Thermoflux. Typical exhaust gas properties are: 7,650 ACFM at 1000°F with 3% oxygen, volume per volume basis.
 - d. MDAQMD Permit Number B001883, SEGS VI is a Born (serial number 2589-6), whose rated input is 29.4 million Btu/hr. The burner is by North American Manufacturing, model 4121-29.4-FA68-IRI, serial number FJ3499-2. Typical exhaust gas properties are: 7,650 ACFM at 1000°F with 3% oxygen, volume per volume basis.
 - e. MDAQMD Permit Number B001886, SEGS VII is an Born, serial number 2589-H375, whose rated input is 29.4 million Btu/hr. The burner is by North American Manufacturing, model 4121-29.4-FA68-IRI, serial number FJ3499-1. Typical exhaust gas properties are: 7,650 ACFM at 1000°F with 3% oxygen, volume per volume basis.
3. Five (5) Emergency Generators, which are driven by diesel fueled Internal Combustion Engines and are described as follows:
- a. MDAQMD Permit Number E001795, SEGS III is a Katolight, model D600-FRR4, serial number SE3291915 A-35290, whose rated fuel use is 40 gal/h. This engine is rated at 900 bhp and is a 12 cylinder, 4 cycle, turbo-charged and inter-cooled. The exhaust of the combustion gas is 950°F and 5200 ACFM.
 - b. MDAQMD Permit Number E001804 SEGS IV is a Katolight, model D600-FRR4, serial number SE3291915 A-35290, whose rated fuel use is 40 gal/h. This engine is rated at 900 bhp and is a 12 cylinder, 4 cycle, turbo-charged and inter-cooled. The exhaust of the combustion gas is 950°F and 5200 ACFM.
 - c. MDAQMD Permit Number E001807, SEGS V is a Katolight, model D600-FRR4, serial

number TA3349167 A-35638, whose rated fuel use is 40 gal/h. This engine is rated at 900 bhp and is a 12 cylinder, 4 cycle, turbo-charged and inter-cooled. The exhaust of the combustion gas is 950°F and 5200 ACFM.

- d. MDAQMD Permit Number E001884, SEGS VI is a Katolight, model D750-FRX4, serial number UD3475256 A-36329, whose rated fuel use is 58 gal/hr. This engine is rated at 1095 bhp and is a 16 cylinder, 2 cycle, turbo-charged. The exhaust of the combustion gas is 950°F and 5200 ACFM.
 - e. MDAQMD Permit Number E001887, SEGS VII is a Katolight, model D750-FRX4, serial number UE3486041 A-36329, whose rated fuel use is 58 gal/hr. This engine is rated at 1095 bhp and is a 16 cylinder, 2 cycle, turbo-charged. The exhaust of the combustion gas is 950°F and 5200 ACFM.
4. Four (4) Fire Water Pumps, which are driven by diesel fueled Internal Combustion Engines and are described as follows:
- a. MDAQMD Permit Number E003229, SEGS III is a Cummins, model NTA855F, serial number 11346105, whose rated fuel use is 10 gal/h. This engine is rated at 400 bhp and is a 6 cylinder, 4 cycle, turbo-charged and inter-cooled. The exhaust of the combustion gas is 950°F and 1300 ACFM.
 - b. MDAQMD Permit Number E003230, SEGS IV is a Cummins, model NTA855F, serial number 11310130, whose rated fuel use is 10 gal/h. This engine is rated at 400 bhp and is a 6 cylinder, 4 cycle, turbo-charged and inter-cooled. The exhaust of the combustion gas is 950°F and 1300 ACFM.
 - c. MDAQMD Permit Number E003231, SEGS V is a Cummins, model NTA855F, serial number 11409265, whose rated fuel use is 10 gal/h. This engine is rated at 400 bhp and is a 6 cylinder, 4 cycle, turbo-charged and inter-cooled. The exhaust of the combustion gas is 950°F and 1300 ACFM.
 - d. MDAQMD Permit Number E003232, SEGS VI is a Cummins, model NT855F3, serial number 11470186, whose rated fuel use is 10 gal/h. This engine is rated at 290 bhp and is a 6 cylinder, 4 cycle, turbo-charged and inter-cooled. The exhaust of the combustion gas is 950°F and 1300 ACFM.
5. Five (5)-Cooling Towers, which are described as follows:

- a. MDAQMD Permit Number B003030, SEGS III, a Custodis/Eco-Dyne, which is rated at 30,000-gal/min circulation of liquid. The exhaust gas flow rate is 1,300,000 ACFM at 70°F and 2% water vapor on a volume per volume basis.
- b. MDAQMD Permit Number B003031, SEGS IV, a Custodis/Eco-Dyne, which is rated at 30,000-gal/min circulation of liquid. The exhaust gas flow rate is 1,300,000 ACFM at 70°F and 2% water vapor on a volume per volume basis.
- c. MDAQMD Permit Number B003032, SEGS V, a Custodis/Eco-Dyne, which is rated at 30,000-gal/min circulation of liquid. The exhaust gas flow rate is 1,300,000 ACFM at 70°F and 2% water vapor on a volume per volume basis.
- d. MDAQMD Permit Number B003023, SEGS VI, a Custodis/Eco-Dyne, which is rated at 30,000-gal/min circulation of liquid. The exhaust gas flow rate is 1,300,000 ACFM at 70°F and 2% water vapor on a volume per volume basis.
- e. MDAQMD Permit Number B003033, SEGS VII, a Custodis/Eco-Dyne, which is rated at 22,000-gal/min circulation of liquid. The exhaust gas flow rate is 1,300,000 ACFM at 70°F and 2% water vapor on a volume per volume basis.
6. Five (5) HTF Ullage Systems, which are described as follows:
 - a. MDAQMD Permit Number B003051, SEGS III, consists of the necessary piping, pumps, tanks, vents and instrumentation to transport the eutectic mixture of diphenyl oxide and biphenyl through the solar trough collectors.
 - b. MDAQMD Permit Number B003052, SEGS IV, consists of the necessary piping, pumps, tanks, vents and instrumentation to transport the eutectic mixture of diphenyl oxide and biphenyl through the solar trough collectors.
 - c. MDAQMD Permit Number B003053, SEGS V, consists of the necessary piping, pumps, tanks, vents and instrumentation to transport the eutectic mixture of diphenyl oxide and biphenyl through the solar trough collectors.
 - d. MDAQMD Permit Number B003025, SEGS VI, consists of the necessary piping, pumps, tanks, vents and instrumentation to transport the eutectic mixture of diphenyl oxide and biphenyl through the solar trough collectors.

e. MDAQMD Permit Number B003054, SEGS VII, consists of the necessary piping, pumps, tanks, vents and instrumentation to transport the eutectic mixture of diphenyl oxide and biphenyl through the solar trough collectors.

7. One (1) Waste Oil Tank, which is described as follows:

MDAQMD Permit Number T004662, which is an Amazing Steel Inc. described as an above ground 5,000 gal steel tank with dimensions of 7.38 ft in diameter and 16 ft high. It is located at SEGS VII.

8. One (1) Mirror Washer (Twister) used for cleaning parabolic solar thermal collectors, which is driven by a diesel fueled engine described as follows:

MDAQMD Permit Number B005101, which is a John Deere, Serial Number T06068T703842, with 6 cylinders. This engine is 4 cycle, direct injected, turbo-charged and is rated at 166 bhp at 2400 rpm.

9. MDAQMD Permit Number N005073; Gasoline Dispensing Facility (Non-Retail), consisting of:

a. Tanks - Number of Tanks: 2

	Tank Number:	1B	1A
1.	Material Stored:	Diesel	(87)Unleaded
2.	Volume Gallons:	3,000	5,000
3.	Aboveground (A):	A	A

b. Dispensing Equipment:

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

10. MDAQMD Permit Number A007823; Portable Abrasive Blasting System, which consists of the following:

Empire Abrasive Equipment Company, model number SuperBlast 350-6P, serial number IO 3870. This unit operates at 80 psi.

11. Miscellaneous equipment that does not require MDAQMD permits include vehicles, mobile equipment, whose drive engines are less than 100 bhp and hand tools of less than 100 bhp.

12. Three IC ENGINE, DIESEL AIR COMPRESSORS, #02, #03, #06:

MDAQMD Permit number B009350.

John Deere diesel fired internal combustion engine. Model Year 2010, 85 hp with 4 cylinders at 2500 rpm while consuming a maximum of 5 gal/hr. Tier III Engine Family AJDXL0489128. This equipment powers a Sullair air compressor model 40645, serial number 89128 with a rating of 150 psi.

MDAQMD Permit number B009351

John Deere diesel fired internal combustion engine. Model 4239DF, serial number CD 4239 D780297, 80 hp with 4 cylinders at 2500 rpm while consuming a maximum of 5 gal/hr. This equipment powers a Ingersoll-Rand air compressor model 824-387, serial number 168218 U880329 with a rating of 150 psi.

MDAQMD Permit number B009352

John Deere diesel fired internal combustion engine model no. 4045DF, serial no. PE4045D187170 that produces 85 bhp with 4 cylinders at 2400 rpm while consuming a maximum of 5 gal/hr. This equipment powers a Sullivan-Palatek air compressor, model no. D250QJDC, serial no. 22079, with a rating of 100 psi.

13. One Portable Diesel ICE Electrical Power Generator for HTF Cooler, MDAQMD Permit number B009348.

John Deere diesel fired internal combustion engine. Model 4039, serial number CD 4039 D365756, 66 hp with 4 cylinders at 1800 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Kohler generator model 20R0ZJ, with a rating of 22 kW.

14. One IC ENGINE, DIESEL PUMP MIRROR WASH - 004, MDAQMD Permit number B009349.

John Deere diesel fired internal combustion engine. Model 4039, serial number TD4039D51478, 80 hp with 4 cylinders at 2500 rpm while consuming a maximum of 5 gal/hr. This equipment powers a FMC Corp.pump model 40812AB, with a rating of 27.5 gpm.

15. One IC ENGINE, GASOLINE EMERGENCY GENERATOR, MDAQMD Permit number E009445.

One Ford, 87 unleaded gasoline fired internal combustion engine, model no. LSG-8751-6005-A, serial no. 17806 T-18-TT, producing 87 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 9 gal/hr. This equipment powers an emergency generator Onan model no. 60EN, serial no. B890206154, which produces 75 kW.

16. One IC ENGINE, DIESEL PORTABLE AIR COMPRESSORS, MDAQMD Permit numbers, B009447.

John Deere diesel fired internal combustion engine model no. 4045Df, serial no. PE4045D375589 that produces 85 bhp with 4 cylinders at 2400 rpm while consuming a maximum of 5 gal/hr. This equipment powers a Sullivan-Palatek air compressor, model no. D250QJDC, serial no. 22079, with a rating of 100 psi.

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

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

7. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[Rule 217 - *Provision for Sampling And Testing Facilities*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(31)(vi)(C) - 02/01/77 43 FR 52237; Current Rule Version = 07/25/77]
9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[SIP Pending: Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 12/21/94; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]
10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]
11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
13. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
 - (a) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.

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

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

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

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

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

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

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

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

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

16. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an

“Alternative PM₁₀ Control Plan” (ACP) pursuant to Rule 403.2(G) has been approved.

District/State Only

[SIP Pending: Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as amended 07/31/95 and submitted 10/13/95]

17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
 - (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
 - (b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
 - (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

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

19. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂), greater than or equal to 500 ppm by volume.

[Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]

20. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
 - (a) The provisions of this condition shall not apply to emissions from internal combustion engines.[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

21. Owner/Operator shall not build, erect, install, or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission that would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.
- (a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.
[Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
22. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes.
[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
Reference Section III A(1)
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.

District/State Only

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

24. Owner/operator's *Usage of Solvents* at this facility shall comply with all applicable requirements of Rule 442 including the VOC and non-VOC organic solvent limits specified in Rule 442 (C)(1), as listed below

Owner/operator shall not discharge VOCs into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month per Facility.

Owner/operator 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 this limit, discharge shall include a drying period of 12 hours following the application of such non-VOC solvents.

[SIP: Rule 442 – *Usage of Solvents*, Approved 2/27/06, 72 FR 52971, 40 CFR 52.220 (c)(347)(i)(C); Approved 6/9/82, 47 FR 25013, 40 CFR 52.220(c)(51)(xii)(B); Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(ii)(C)]

25. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered “open outdoor fires” for the purposes of Rule 444 (reference Rule 444(B)(10)).
[Rule 444 – *Open Outdoor Fires*, Version in SIP = Current, 40 CFR 2.220(c)(42)(xiii)(A) and 40 CFR 52.273 (6)(12)(i)]
26. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning, and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.
 - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
 - (c) Cold Solvent Degreasers - Freeboard Requirements:
 - (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
 - (ii) *Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.*
 - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.

- (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one.
- (d) Cold Solvent Degreasers - Cover Requirements:
 - (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.
- (e) Cold Solvent Degreasers - Solvent Level Identification:
 - (i) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
- (f) All Degreasers shall comply with the following operating requirements:
 - (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
 - (ii) Degreasers shall not be operating with any detectable solvent leaks.
 - (iii) 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 carry-out shall be minimized by the following methods:
 - (a) Rack workload arranged to promote complete drainage
 - (b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
 - (c) Retain the workload inside of the vapor zone until condensation ceases.
 - (d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
 - (e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
 - (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
 - (viii) Except for sealed chamber degreasers, all solvent agitation shall be by either

- pump recirculation, a mixer, or ultrasonics.
- (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
 - (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
 - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
 - (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
 - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the volatile organic compound (VOC) limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
- (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
 - (i) product name(s) used in the degreaser, and
 - (ii) the mix ratio of solvent compounds mixtures of solvents are used, and
 - (iii) VOC content of solvent or mixture of compounds as used, and
 - (iv) the total volume of the solvent(s) used for the facility, on a monthly basis, and
 - (v) the name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
 - (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data are recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.
 - (3) Documentation shall be maintained on site of the disposal or on-site recycling of

any waste solvent or residues.

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

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

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

Table 1

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

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

Coating Category	Effective, 02/24/2003	Effective, 01/01/2013
Primary Coatings		
Flat Coatings	100	50
Nonflat Coatings	150	100
Nonflat-High Gloss Coatings	250	150
Specialty Coatings		
Aluminum Roof Coatings	n/a	400
Basement Specialty Coatings	n/a	400
Bituminous Roof Coatings	300	50
Bituminous Roof Primers	350	350
Bond Breakers	350	350
Concrete Curing Compounds	350	350
Concrete/Masonry Sealers	n/a	100
Driveway Sealers	n/a	50
Dry Fog Coatings	400	150
Faux Finishing Coatings	350	350
Fire Resistive Coatings	350	350
Floor Coatings	250	100
Form-Release Compounds	250	250
Graphic Arts Coatings (Sign Paints)	500	500
High Temperature Coatings	420	420
Industrial Maintenance Coatings	250	250
Low Solids Coatings	120 _a	120 _a
Magnesite Cement Coatings	450	450
Mastic Texture Coatings	300	100
Metallic Pigmented Coatings	500	500
Multi-Color Coatings	250	250
Pre-Treatment Wash Primers	420	420
Primers, Sealers, and Undercoaters	200	100
Reactive Penetrating Sealers	n/a	350
Recycled Coatings	250	250
Roof Coatings	250	50
Rust Preventative Coatings	400	250
Shellacs:		
Clear	730	730
Opaque	550	550
Specialty Primers, Sealers, and Undercoaters	350	100
Stains	250	250
Stone Consolidants	n/a	450
Swimming Pool Coatings	340	340
Traffic Marking Coatings	150	100
Tub and Tile Refinish Coatings	n/a	420
Waterproofing Membranes	n/a	250
Wood Coatings	n/a	275
Wood Preservatives	350	350
Zinc-Rich Primers	n/a	340
a: Limit is expressed as VOC Actual (G)(1)(a)(ii)		

[Rule 1113 - *Architectural Coatings*; **SIP**: Submitted as amended 04/23/12, Approved on 01/03/2014, 79 FR 365; Submitted as amended 02/24/03, Approved on 04/01/03, 69 FR 34; Submitted as amended 11/02/92 on 1/11/93; Approved: 6/9/82, 47 FR 25013, 40 CFR 52.220(c)(51)(xii)(B)]

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

(1) VOC Content of Coatings & Adhesives

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

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

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

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

(ii) Notwithstanding the requirements of subsection (C)(1)(a)(i), a person or facility that applies a topcoat and a primer, sealer or undercoat to a Shutter may, until July 1, 2005, choose to comply

with the VOC Content limits specified below for that Shutter:

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

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

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

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

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, Approved: 08/18/98, 63 FR 44132, 40 CFR 52.220(c)(244)(i)(C); Approved 61 FR 18962, 04/30/96]

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

Owner/Operator shall not apply to metal parts and products any coatings, including any

VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS

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

<u>Coating</u>	<u>Air Dried</u>		<u>Baked</u>	
	g/L	(lb/gal)	g/L	(lb/gal)
General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

30. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*). [Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

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

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's Compliance Test Procedural Manual. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
 - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
 - (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement are sufficient.
[40 CFR 70.6(a)(3)(B) – Periodic Monitoring Requirements]
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)]and in California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]
- 4 (a) Owner/Operator shall submit Compliance Certifications as prescribed by Rule 1203(F)(1) and Rule 1208, in a format approved by MDAQMD. Compliance

Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.

[40 CFR 70.6(c)(5)(i); Rule 1208; Rule 1203(D)(1)(vii-x)]

- (b) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
- (c) Owner/Operator shall comply with any additional certification requirements as specified in 42 United States Code (U.S.C.) §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[Rule 1203 (D)(1)(g)(x)]
- (d) 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 16th to November 15th, 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 IX Administrator.
[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(v - x)]

- 5. Owner/Operator shall submit, on a semi-annual basis, a Monitoring Report to the APCO/District, with a copy to the EPA Region IX Administrator. Each Monitoring Report shall cover the periods from November 16th to May 15th and from May 16th to November 15th, and be postmarked no later than 30 days after the end of the reporting period. This Monitoring Report shall be certified to be true, accurate, and complete by “The Responsible Official” and shall include the following information and/or data:
 - (a) Summary of deviations from any federally-enforceable requirement in this permit.
 - (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
 - (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.

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

- 6. Owner/Operator shall promptly report all deviations from Federal Operating Permit requirements including, but not limited to, any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit

conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation. [Rule 1203(D)(1)(e)(ii) and Rule 430(C)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District. [SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 2/24/95]
- (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 1203(D)(1)(e)(i)]

7. If any facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5-year permit term, the Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:

- (a) A narrative description of how the facility will achieve compliance with such requirements; and
- (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
- (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective

measures adopted due to the failure to meet dates in the schedule of compliance.
[Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

C. FACILITY-WIDE COMPLIANCE CONDITIONS:

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[1203 (D)(1)(f)(ii)]
6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[Rule 1201 (I)(2); Rule 1203(D)(1)(g)(v)]
7. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61, subparts A and M]

8. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]
9. Owner/Operator shall notify the APCO/District, on an **annual** basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].
[40 CFR 61.145.b]
10. The permit holder shall submit an application for renewal of this Title V Permit at least six (6) months, but no earlier than eighteen (18) months, prior to the expiration date of this Federal operating permit (FOP). If an application for renewal has not been submitted and deemed complete in accordance with this deadline, the facility may not operate under the (previously valid) FOP after this FOP expiration date. If the permit renewal has not been issued by this FOP expiration date, but a timely application for renewal has been submitted and deemed complete in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. [Rule 1202(B)(3)(b)(i); Rule 1202(E)(2)(a)]

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

- A. Standard Monitoring, Recordkeeping and Reporting Requirements
1. Any data and records required to be generated and/or kept by any portion of this permit, shall be kept current, on-site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and provided to District, state, or federal personnel on request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
 2. Any reports generated from monitoring required by any portion of this permit shall be submitted by the facility Owner/Operator to the MDAQMD at least every three (3) months unless another time period is specified in the specific provision requiring monitoring.
[40 CFR 70.6(a)(3)(iii)(A); Rule 1203(D)(1)(e)(i)]
 3. 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.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 4. 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, for a minimum of five (5) years, and available for inspection by District, state or federal personnel on request. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).

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

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

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]

B. MDAQMD Permit Number A007823; Portable Abrasive Blasting System, which consists of the following:

Empire Abrasive Equipment Company, model number SuperBlast 350-6P, serial number IO 3870. This unit operates at 80 psi.

1. This abrasive blast system shall only use those abrasives that have been certified by the California Air Resources Board (CARB) for dry unconfined usage.

[Title 17 CCR 92000-92530]

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

2. The applicant shall be required to comply with all applicable Rules and Regulations of the District. Applicable rules include, but are not necessarily limited to, Regulation IV.

Opacity limit is 40% when using CARB-certified abrasive materials per California Code of Regulations, Title 17, Section 92520. Note that this specific provision is a state only provision as Rule 401 limit is more stringent and in the SIP as opposed to CCR limit which is not SIP ie not federally enforceable. Rule 401 limit is 20%, more stringent, and is federally enforceable.

3. This abrasive blast system shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.

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

C. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers B001793, B001802, B001805, B001882 and B001885 (SEGS units III-VII) Steam Boilers:

1. A Continuous Emissions Monitoring System (CEMS) shall be operating at all times in accordance with the District Approved Monitoring Plan.
[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]
[40 CFR Part 60-Standards of Performance for Electric Utility Steam Generating Units; 60.49Da]
2. The Owner/Operator shall maintain a file of the CEMS data, all fuel use records and all records and emissions tests performed on any emissions unit (SEGS III through VII) at the site. All information shall be recorded in a permanent form suitable for inspection. The file shall be retained at least five years following the date of such measurement, calculations, reports and records. The District shall be granted access to these records upon request.
[40CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii) . [Rule 204 - Permit Conditions; Version in SIP = CARB Executive Order G-73, 40 CFR52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77].
[40 CFR 60.49Da]
3. Compliance Emissions Tests shall be performed in accordance with the District Compliance Test Procedural Manual. The test report shall be submitted to the District within 45 days following completion of testing, but not later than six weeks prior to the expiration of the permit. The following tests are required:
 - a. Annual compliance for NO_x and CO;
 - b. Particulate Matter every 5 years, commencing 1995. However Particulate Matter tests may be required at the discretion of the District. The owner/operator shall have such test performed and the emissions limits given in # 4, below, shall not be exceeded.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-

73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]
[40 CFR 60.50Da]

4. The total emissions of NO_x for SEGS III through VII shall be limited to 515.1 lb/day (94 ton/year), calculated based on a rolling annual average (day is defined as any 24 hour period beginning at midnight). Emitting equipment subject to this limitation shall include the following:
- Boilers for SEGS III through VII;
 - HTF heaters for SEGS III through VII;
 - Diesel Generators for SEGS III through VII; and
 - Diesel Fire Pumps for SEGS III through VII.

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

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]
[Rule 1303]

5. Daily logs shall be maintained, which includes, but is not limited to the following:
- Hours of operation per day;
 - Dates of routine maintenance;
 - Dates of major repairs and/or replacements;
 - Fuel (natural gas) use; and
 - Amount of HTF added to the systems.

This logged information shall be maintained on-site for a minimum of 5 years and provided to District, state or federal personnel on request.

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

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

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]

6. Approximately 64,000 sq ft of the truck parking/fueling area on the west side of the Pilot Travel Center, paved with asphalt material for particulate matter offset requirements, shall be maintained to ensure dust abatement integrity by the o/o for the duration of operation of SEGS (III-VII). The area is located in Kramer Junction, south of the State Highway 58 and west of State Highway 395. Note:
When the permit was initially issued, this parking lot was known as "Big Daddy's Restaurant". New owners renovated and changed the business plan, but maintained more than the 64,000 sq ft necessitated for particulate offsets.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. The following conditions are specific to MDAQMD permits B001793 (SEGS III boiler), B001802 (SEGS IV boiler) and B001805 (SEGS V boiler):
 - a. The maximum hourly and daily emissions rates (lb/hr and lb/day respectively) for the following criteria pollutants are as follow:
 - i. 35.0 lb/hr of NOX, but not to exceed 536.0 lb in any one day;
 - ii. 33.9 lb/hr of CO, but not to exceed 542.4 lb in any one day;
 - iii. 4.0 lb/hr of particulate, but not to exceed 64.0 lb in any one day;
 - iv. The hourly emissions for NOx shall be reported per the approved CEMS monitoring plan. The maximum emissions for the hour shall be the highest of the four fifteen minute period averages during that hour;
 - v. Daily emissions shall be reported based on the hourly emissions reported above.
 - b. The NOx concentration shall not exceed 80 ppm, v/v (dry and at 3% oxygen) when the load level of the boiler is equal to or greater than 20% of design capacity.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR Part 60 Subpart 60.44Da(a)(1)- NOx; 60.42Da(a)-PM; 40 CFR 60.49Da-emissions monitoring-NOx]
[Rule 1303]

10. The following conditions are specific to MDAQMD permits B001882 (SEGS VI boiler) and B001885 (SEGS VII boiler):
 - a. The maximum hourly and daily emissions rates (lb/hr and lb/day respectively) for the following criteria pollutants are as follow:
 - i. 21.6 lb/hr of NOX, but not to exceed 310.4 lb in any one day;
 - ii. 26.7 lb/hr of CO, but not to exceed 427.2 lb in any one day;
 - iii. 4.0 lb/hr of particulate, but not to exceed 64.0 lb in any one day;

- iv. The hourly emissions for NO_x shall be reported per the approved CEMS monitoring plan. The maximum emissions for the hour shall be the highest of the four fifteen minute period averages during that hour;
- v. Daily emissions shall be reported based on the hourly emissions reported above.
- b. The NO_x concentration shall not exceed 45 ppm, v/v (dry and at 3% oxygen) when the load level of the boiler is equal to or greater than 40% of design capacity.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[40 CFR Part 60 Subpart 60.44Da(a)(1)- NO_x; 60.42Da(a)-PM; 40 CFR60.49Da-emissions monitoring-NO_x]
[Rule 1303]

- 8. This equipment shall be exclusively fueled with pipeline quality natural gas and shall not exceed the following emission standard;
SO₂: 0.20 lb/hr (based on 1.0 grains per 100 dscf on a rolling twelve month average basis)
[40 CFR Part 60 Subpart 60.43Da(b)(2)]

D. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers B001794, B001803, B001806, B001883 and B001886 (SEGS units III-VII) HTF Gas Fired Heaters:

- 1. This equipment shall be operated and maintained in strict accord with the manufacturer's and/or supplier's recommendations and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- 2. A daily log shall be maintained which includes but is not limited to the following:
 - a. Hours of operation/day
 - b. Dates of routine maintenance
 - c. Dates of major repairs and/or replacements
 - d. Natural gas use.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR

52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]

3. The daily emissions limits for SEGS III through VII includes the emissions from this equipment, reference permits B001793, B001802, B001805, B001882 and B001885.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 1303]
4. The following conditions are specific to MDAQMD permits B001794 (SEGS III HTF Heater), B001803 (SEGS IV HTF Heater) and B001806 (SEGS V HTF Heater):
 - a. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. Any District required testing performed by the owner/operator shall have the following emission limits; 2.7 lb/hr of NO_x and 2.2 lb/hr of CO emission limits shall not be exceeded.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]
5. The following conditions are specific to MDAQMD permits B001883 (SEGS VI HTF Heater), B001886 (SEGS VII HTF Heater)
 - a. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. Any District required testing performed by the owner/operator shall have the following emission limits; 2.4 lb/hr of NO_x and 1.8 lb/hr of CO emission limits shall not be exceeded.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR

52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]

E. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers B003025 (SEGS VI), B003051 (SEGS III), B003052 (SEGS IV), B003053 (SEGS V) and B003054(SEGS VII) HTF Ullage Systems:

1. This equipment shall be operated and maintained in strict accord with the manufacturer's and/or supplier's recommendations and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. If current non-criteria substances become regulated as toxic or hazardous substances and are used in this equipment, the owner/operator (o/o) submit to the District a plan demonstrating how compliance will be achieved and maintained with such regulations.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

F. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers B003030, B003031, B003032, B003023 and B003033 (SEGS units III-VII) Cooling Towers:

1. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The Owner/Operator shall comply with District Rule 1503 relative to the "Hexavalent Chromium Emissions From Cooling Towers."
District Rule 1503, adopted 09/23/91. Note this rule is not in the SIP.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The drift rate shall not exceed 0.002 percent with a maximum circulation rate of 30,000 for permits B003030, B003031, B003032 and 22,000 gallon/min for permits B003023 and B003033 gallon/min. The maximum emission rate of PM10 shall not exceed 1.35 lb/hr (based on a TDS of 4,500 ppm, w/w with a maximum flow rate and drift rate) for permits B003030, B003031, B003032 and 1.0 lb/hr for permits B003023 and B003033.

[Rule 1303- Requirements]

4. Weekly tests of the blow-down water quality shall be performed by the Owner/Operator in accordance with the standard test procedures. These weekly recordings, including mass emission rate, are to be placed into a log and be maintained on site, for a minimum of five (5) years, and be provided to District, state or federal personnel on request.

[Rule 1303- Requirements]

5. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. A maintenance procedure shall be established that states how often and what procedures will be used to ensure the integrity of the drift eliminators. This procedure is to be kept on site, and be available to District, state or federal personnel on request.

[Rule 1303- Requirements]

G. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number B005101 (SEGS units III-VI) Diesel Engine Driven Mirror Washer:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. This equipment shall use no other fuel than diesel without the prior written approval of the APCO.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The sulfur content of the fuel used in this equipment shall not exceed 0.05% on a mass basis. The owner/operator (o/o) shall log the volume or mass and the dates of all purchased fuel and the sulfur content. The o/o may use the supplier's sulfur analytical data, but at the discretion of the District, shall take a sample of the fuel and submit it for analysis by ASTM method D-2622 or D-4294 as they may be amended from time to time. An independent laboratory shall conduct the analyses. The results of said analyses shall be logged and forwarded to the District on receipt.
[Rule 431 - *Sulfur Content of Fuels*; SIP: Approved 09/08/78. 43 FR 40011, 40 CFR 52.220(c)(39)(ii)(B)]
Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. The o/o shall comply with all applicable rules and regulations of this District.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. The o/o shall log the hours of operation of this unit to the nearest one-quarter hour. This log shall be maintained current, on-site and provided to District personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. This equipment shall not be operated more than 2,000 hours per year based on a twelve (12) month rolling average.

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

H. One Portable Diesel ICE Electrical Power Generator for HTF Cooler, MDAQMD Permit number B009348.

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. This diesel ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)
[Title 17 CCR Section 93116.2(bb)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. This unit shall only be fired on diesel fuel whose sulfur concentration is less than or equal to 0.05% on a weight per weight basis, until September 1, 2006 when the sulfur concentration shall be 0.0015% or 15 ppm per CARB Diesel or equivalent requirements.
[[Rule 431 - *Sulfur Content of Fuels*; SIP: Approved 09/08/78. 43 FR 40011, 40 CFR 52.220(c)(39)(ii)(B); Title 17 CCR Section 93116.3(a)]
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Prior to January 1, 2010, this portable diesel-fueled engine shall be certified to meet a federal or California standard for newly manufactured nonroad engines pursuant to 40 CFR Part 89 or Title 13 CCR Section 2423 (that is, certified to Tier 1, 2 or 3 nonroad engine standards). Otherwise, use this portable diesel-fueled engine exclusively in emergency applications or portable diesel-fueled engine that qualify as low-use engine (operates 80 hours or less per calendar year) and commit to replacing this engine with a Tier 4 engine. (Tier 4 engines are phased in for engines manufactured beginning in

2011). District/ State Only (Title 17 CCR Section 93116.3 (b)(1))
[Title 17 CCR Section 93116.3 (b)(1)]

6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
- a. Date of each use and duration of each use (in hours);
 - b. Reason for use (testing & maintenance, emergency, required emission testing);
 - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
 - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

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

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

7. The fleet under control of this o/o is subject to and shall comply with the weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates in Title 17 CCR Section 93116.3(c). Fleet is defined in Title 17 CCR Section 93116.2(p). District/ State Only
[Title 17 CCR Section 93116.3 (c)]

8. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern. District/ State Only
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

9. This engine shall not be operated more than 2 hours per day without prior District approval.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

I. One IC ENGINE, DIESEL PUMP MIRROR WASH - 004, MDAQMD Permit number B009349.

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles,

which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

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

2. This unit shall not be operated more than 10 hours per day without prior District approval.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. This diesel ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)
[Title 17 CCR Section 93116.2(bb)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. This unit shall only be fired on diesel fuel whose sulfur concentration is less than or equal to 0.05% on a weight per weight basis, until September 1, 2006 when the sulfur concentration shall be 0.0015% or 15 ppm per CARB Diesel or equivalent requirements.
[[Rule 431 - *Sulfur Content of Fuels*; SIP: Approved 09/08/78. 43 FR 40011, 40 CFR 52.220(c)(39)(ii)(B); Title 17 CCR Section 93116.3(a)]
5. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Prior to January 1, 2010, this portable diesel-fueled engine shall be certified to meet a federal or California standard for newly manufactured nonroad engines pursuant to 40 CFR Part 89 or Title 13 CCR Section 2423 (that is, certified to Tier 1, 2 or 3 nonroad engine standards). Otherwise, use this portable diesel-fueled engine exclusively in emergency applications or portable diesel-fueled engine that qualify as low-use engine (operates 80 hours or less per calendar year) and commit to replacing this engine with a Tier 4 engine. (Tier 4 engines are phased in for engines manufactured beginning in 2011). (Title 17 CCR Section 93116.3 (b)(1))
[District/ State Only ; Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version =

07/25/77]

7. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
 - a. Date of each use and duration of each use (in hours);
 - b. Reason for use (testing & maintenance, emergency, required emission testing);
 - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
 - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
8. The fleet under control of this o/o is subject to and shall comply with the weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates in Title 17 CCR Section 93116.3(c). Fleet is defined in Title 17 CCR Section 93116.2(p). District/ State Only
[Title 17 CCR Section 93116.3 (c)]
9. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern. District/ State Only
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- J. One IC ENGINE, DIESEL AIR COMPRESSORS #02, MDAQMD Permit number B009350.
1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. This diesel ICE and its associated equipment cannot be operated at the same footprint

(spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)

[Title 17 CCR Section 93116.2(bb)]

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

3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% or 15 ppm on a weight per weight basis per CARB Diesel or equivalent requirements. (Title 17 CCR Section 93116.3(a))
[Rule 431 - *Sulfur Content of Fuels*; SIP: Approved 09/08/78. 43 FR 40011, 40 CFR 52.220(c)(39)(ii)(B); Title 17 CCR Section 93116.3(a)]
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. This engine shall not be operated for more than 3 hours in any calendar day (24 hour period) and more than 100 hours in any rolling 12 month year.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of three (3) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
 - a. Date of each use and duration of each use (in hours);
 - b. Reason for use (testing & maintenance, emergency, required emission testing);
 - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
 - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. The o/o of this unit must submit a Status Report for the entire fleet* by March 1, 2011. This Status Report should include, but not limited to, the following, for details see Title 17 CCR 93116.4(e)(1):
 - a. The fleet's weighted average PM emission rate for the 2010 calendar year,

- b. Inventory of portable engines in the fleet,
- c. Identify, if applicable, each portable diesel-fueled engine that the owner commits to replacing with a Tier 4 engine,
- d. Listing of portable diesel-fueled engines, if applicable, used exclusively in emergency applications,
- e. Listing of portable diesel-fueled engines, if applicable, satisfying the low-use engine requirements,
- f. Listing of portable alternative-fueled engines, if applicable, added to the fleet prior to January 1, 2009, pursuant to section 93116.3(d)(2)(B)2, and
- g. Listing of portable diesel-fueled engine(s) equipped with Selective Catalytic Reduction (SCR) system(s),

- Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s). **District/ State Only**

- 8. The o/o and/or Responsible Official of a fleet electing to use electrification in determining the fleet average shall submit the report required by Title 17 CCR 93116.4(c)(3) by January 1, 2012 **District/ State Only**
- 9. The fleet under control of this o/o is subject to and shall comply with the weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates in Title 17 CCR Section 93116.3(c).

Fleet Standard Compliance;

Date	Engines <175 bhp (g/bhp-hr)	Engines >175 to 749 bhp (g/bhp-hr)	Engines >750 bhp (g/bhp-hr)
1/1/2013	0.3	0.15	0.25
1/1/2017	0.18	0.08	0.08
1/1/2020	0.04	0.02	0.02

Fleet is defined in Title 17 CCR Section 93116.2(16).

District/ State Only

- 10. The o/o of this unit must submit a ‘Statement of Compliance’ signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information, see Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

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

District/ State Only

11. This portable equipment shall not be operated and/or located within 1,000 feet of a public or private school (kindergarten through 12th grade) of more than 12 students for more than 45 consecutive days without completing the notification required by Health and Safety Code §§ 42301.6.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
12. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent shall govern. **District/ State Only**
- K. Two PORTABLE IC ENGINE, DIESEL AIR COMPRESSORS, #03, #06, MDAQMD Permit numbers B009351, and B009352.
 1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. This diesel ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)
[Title 17 CCR Section 93116.2(bb)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. This unit shall only be fired on diesel fuel whose sulfur concentration is less than or equal to 0.05% on a weight per weight basis, until September 1, 2006 when the sulfur concentration shall be 0.0015% or 15 ppm per CARB Diesel or equivalent requirements.
[Rule 431 - *Sulfur Content of Fuels*; SIP: Approved 09/08/78. 43 FR 40011, 40 CFR

52.220(c)(39)(ii)(B); Title 17 CCR Section 93116.3(a)]

4. Prior to January 1, 2010, this portable diesel-fueled engine shall be certified to meet a federal or California standard for newly manufactured nonroad engines pursuant to 40 CFR Part 89 or Title 13 CCR Section 2423 (that is, certified to Tier 1, 2 or 3 nonroad engine standards). Otherwise, use this portable diesel-fueled engine exclusively in emergency applications or portable diesel-fueled engine that qualify as low-use engine (operates 80 hours or less per calendar year) and commit to replacing this engine with a Tier 4 engine. (Tier 4 engines are phased in for engines manufactured beginning in 2011). (Title 17 CCR Section 93116.3 (b)(1)) **District/ State Only**
5. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
 - a. Date of each use and duration of each use (in hours);
 - b. Reason for use (testing & maintenance, emergency, required emission testing);
 - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
 - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. The fleet under control of this o/o is subject to and shall comply with the weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates in Title 17 CCR Section 93116.3(c). Fleet is defined in Title 17 CCR Section 93116.2(p).
District/ State Only
7. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.
District/ State Only
8. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR

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

L. One IC ENGINE, DIESEL PORTABLE AIR COMPRESSORS, MDAQMD Permit numbers, B009447, which consists of the following:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. This diesel ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.) [Title 13 CCR 93116.2(bb)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. This unit shall only be fired on diesel fuel whose sulfur concentration is less than or equal to 0.05% on a weight per weight basis, until September 1, 2006 when the sulfur concentration shall be 0.0015% or 15 ppm per CARB Diesel or equivalent requirements; or alternative diesel fuel or CARB diesel fuel utilizing fuel additives that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines. [Title 13 CCR 93116.3(a); Rule 431 - *Sulfur Content of Fuels*; SIP: Approved 09/08/78. 43 FR 40011, 40 CFR 52.220(c)(39)(ii)(B)]
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time by January 1, 2012. [Title 13 CCR 93116.4(c)(2)(A)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Prior to January 1, 2010, this portable diesel-fueled engine or its replacement engine shall be certified to meet a federal or California standard for newly manufactured nonroad engines pursuant to 40 CFR Part 89 or Title 13 CCR Section 2423 (that is, certified to Tier 1, 2 or 3 nonroad engine standards). Otherwise, use this portable diesel-fueled engine exclusively in emergency applications or portable diesel-fueled engine that qualify as low-use engine (operates 80 hours or less per calendar year) and commit to

replacing this engine with a Tier 4 engine. (Tier 4 engines are phased in for engines manufactured beginning in 2011). (Title 17 CCR Section 93116.3 (b)(1))
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
 - a. Date of each use and duration of each use (in hours);
 - b. Reason for use (Regular use, testing & maintenance, emergency, required emission testing);
 - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
 - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log). [Title 13 CCR 93116.4(c)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. The o/o of this unit must submit a Status Report for the fleet by March 1, 2011. This Status Report should include, but not limited to, the following, for details see Title 13 CCR 93116.4(e)(1):
 - a. The fleet's weighted average PM emission rate for the 2010 calendar year,
 - b. Inventory of portable engines in the fleet,
 - c. Identify, if applicable, each portable diesel-fueled engine that the owner commits to replacing with a Tier 4 engine,
 - d. Listing of portable diesel-fueled engines, if applicable, used exclusively in emergency applications,
 - e. Listing of portable diesel-fueled engines, if applicable, satisfying the low-use engine requirements,
 - f. Listing of portable alternative-fueled engines, if applicable, added to the fleet prior to January 1, 2009, pursuant to section 93116.3(d)(2)(B)2, and
 - g. Listing of portable diesel-fueled engine(s) equipped with Selective Catalytic Reduction (SCR) system(s),
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

8. The fleet* under control of this o/o is subject to and shall comply with the weighted Diesel Particulate Matter (DPM) emission fleet averages** expressed as grams per brake

horsepower-hour (g/bhp-hr) of Title 17 CCR Section 93116.3(c) & (d) by the following dates:

Compliance Date	Weighted DPM (g/bhp-hr)
January 1, 2013	0.30
January 1, 2017	0.18
January 1, 2020	0.04

* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s).

** The method used to calculate the Fleet Average is found in Title 13 CCR 93116.3(d).
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

9. The o/o of this unit must submit a 'Statement of Compliance' signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information, see Title 13 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

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

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

10. The o/o of fleets that are exempted from the requirements of section 93116.4 pursuant to section 93116.4 (a), the Responsible Official shall certify that all portable diesel-fueled engines in the fleet satisfy the requirements of section 93116.4(a). See Title 13 CCR 93116.4(f) for details.

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

11. The o/o and/or Responsible Official of a fleet electing to use electrification in determining the fleet average shall submit the report required by title 13 CCR 93116.4(c)(3) by January 1, 2012.

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

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

12. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 13 CCR 93116). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
13. The equipment on this permit can be used at both Luz Solar Partners III - VII, SEGS III through VII (0277/00941) and Luz Solar Partners VIII & IX, Harper Lake Co. VIII & IX (0603/00975).
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- M. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Numbers E001804, E001807, E001884 and E001887 (SEGS units III-VII) Diesel Engine Driven Electrical Generators and E001795, E003229, E003230, E003231, and E003232 (SEGS units III-VII) Diesel Engine Driven Fire Pumps:
 1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. The owner/operator (o/o) shall use only diesel fuel whose sulfur concentration is less than or equal to 0.05% on a weight per weight basis in this unit.
[Rule 431 - *Sulfur Content of Fuels*; SIP: Approved 09/08/78. 43 FR 40011, 40 CFR 52.220(c)(39)(ii)(B)]
 4. A timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

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

5. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State, and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
 - a. Date of each use and duration of each use (in minutes);
 - b. Reason for use (testing & maintenance, emergency, required emission testing);
 - c. Maintenance records including corrective actions undertaken to restore engine to its normal operating mode following a malfunction; [40 CFR 63.6655(a)(5)]
 - d. Calendar year operation in terms of total hours; and
 - e. Fuel purchase records.

6. The daily emissions limits for SEGS III through VII includes the emissions from this equipment, reference permits B001793, B001802, B001805, B001882 and B001885.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

Permit conditions specific to E001795, E001804, E001807, E001884, and E001887:

7. This unit shall be limited to use for emergency power, defined as when commercially available power has been interrupted, and as part of a testing program which does not exceed 60 minutes of operation per week and 20 hours per year.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

8. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. The owner/operator shall have such tests performed and the emission limits of 15.9 lb/hr of NO_x, 2.8 lb/hr of CO and 0.5 lb/hr of Particulate shall not be exceeded.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

Permit conditions specific to E003229, E003230, E003231, and E003232:

7. This unit shall be limited to use for fire suppression, and as part of a testing program which does not exceed 60 minutes of operation per week (up to two hours once per year for annual testing and up to four hours once every three years for triennial testing).
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

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

8. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District. The owner/operator shall have such tests performed and the emission limits of 2.9 lb/hr of NOx, 0.5 lb/hr of CO and 0.1 lb/hr of Particulate shall not be exceeded.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

9. The owner/operator of this equipment shall:
 - a. Change oil and oil filter every 500 hours of operation or annually, whichever comes first (source has the option to utilize an oil analysis program pursuant to 40 CFR 63.6625(i) in order to extend the specified oil change requirement.);
 - b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
 - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and [40 CFR 63.6603(a) and 63.6640(a)]
 - d. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply. [40 CFR 63.6625 (h)]Please note; maintenance may be delayed if shutting down the engine would pose an unacceptable risk. [40 CFR 63.6655]

N. One IC ENGINE, GASOLINE EMERGENCY GENERATOR, MDAQMD Permit number E009445, which consists of the following:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted

outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.

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

3. This ICE shall only be fired on gasoline.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 5. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
 - a. Date of each use and duration of each use (in hours);
 - b. Reason for use (testing & maintenance, emergency, required emission testing); and
 - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours.[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- O. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable To MDAQMD Permit Number N005073, Gasoline Dispensing Facility (non-retail):
1. The toll-free telephone number that must be posted is 1-800-635-4617.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The owner/operator, o/o, shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461. This log shall be kept current, on-site for a minimum of 2 years and provided to District personnel on request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
3. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the District.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. The vapor vent pipes are to be equipped with pressure relief valves.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
5. The owner or operator shall conduct and pass the following tests annually using the latest adopted version of the following test procedures:
 - a. Pressure Decay Tests per CARB test method TP-201.3B.
 - b. Liquid Removal Test (if applicable) per TP-201.6
 - c. 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 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

Passing test reports shall be received by the District not later than six (6) weeks prior to the expiration date of this permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR

52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

6. The annual throughput of gasoline shall not exceed 500,000 gallons per year. Throughput Records shall be kept on site and available to District personnel upon request. Before this annual throughput can be increased the facility may be required to submit to the District a site specific Health Risk Assessment in accord with a District approved plan. In addition public notice and/or comment period may be required.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
7. The o/o shall maintain and operate this equipment in compliance with CARB Executive Order G-70-167.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

P. Equipment Specific Monitoring, Record-keeping, Reporting and Testing Requirements Applicable to MDAQMD Permit Number T004662:

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. Toxic material shall not be stored in this tank.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Only internally generated waste oil may be stored in this tank
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

PART IV STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. *STANDARD CONDITIONS:*

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

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

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

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

PART V OPERATIONAL FLEXIBILITY

A. *ALTERNATING OPERATING SCENARIO (s):*

None

B. *OFF PERMIT CHANGES:*

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

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

1. The proposed change is not:

- a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See 1203(E)(1)(c)(i)d]*
- b. A modification under Title I of the Federal Clean Air Act; or
- c. A modification subject to Regulation XIII; and *[See 1203(E)(1)(c)(i) d]*
- d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See 1203(E)(1)(c)(i)c]*
- e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). *[See 1203(E)(1)(c)(i)e]*

II. Procedure for “Off Permit” Changes

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

1. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. *[See 1203(E)(1)(c)(i)b]*
2. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
 - a. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition; and *[See 1203(E)(1)(c)(i)b]*
 - b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See 1203(E)(1)(c)(i)b.]*

- c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. *[See 1203(E)(1)(c)(i)c]*
 - 3. Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See 1203(E)(1)(c)(i)a]*
 - B. Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See 1203(E)(1)(c)(i)a and g]*
 - C. Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. *[See 1203(E)(1)(c)(i)ff]*
 - D. Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). *[See 1203(E)(1)(c)(i)ff]*
 - III. Other Requirements:
 - A. The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
 - B. The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)]*
- [Rule 1203(E)(1)(c)]

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

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

40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO₂ Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO₂ Emissions

B. Other conventions:

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

C. Abbreviations used in this permit are as follows:

APCO	Air Pollution Control Officer
bhp	brake horse power
Btu	British thermal units
CARB	California Air Resources Board
CEMS	continuous emissions monitoring system
CFR	Code of Federal Regulations
CO	carbon monoxide
CO ₂	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
EO	Executive Order
hp	horse power
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
o/o	Owner/operator
PM ₁₀	particulate matter less than 10 microns aerodynamic diameter
psia	pounds per square inch absolute
psig	pounds per square inch gage

rpm	revolutions per minute
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO ₂	sulfur dioxide
Tpy	tons per year