

MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit Number: 3100065

For: SOUTHERN CALIFORNIA GAS
COMPANY

Facility: Newberry Springs Compressor Station

Issued Pursuant to MDAQMD Regulation XII
Effective Date: October 29, 2014

●SEE TITLE V PAGE 2 FOR PERMIT REVISION SUMMARY●

This Federal Operating Permit Expires
October 29, 2019

Issued By: Eldon Heaston
Executive Director
Air Pollution Control Officer



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PERMIT REVISIONS

2016 Administrative Permit Change (by: Samuel J Oktay, PE); Updated contact information; Page I-4

2014 Administrative Permit Renewal (by: Samuel J Oktay, PE); Revised Rule 1113 references, Page II-14 through II-15; Revised MDAQMD Permit conditions for E009231, Pages III-29 and III-30 ; removed references to THREE (3) IC ENGINES (MDAQMD PERMIT 'S B000291, B000292, B000293; all Rule SIP History and Status moved to Appendix VII page VII 37 to VII 44.

Date of Change, 8-22-05:

Administrative Title V Permit Change; Equipment was preexisting and is now being permitted as a result of the threshold change to exempt equipment pursuant to District Rule 219 as amended 04-25-05. Engines with a maximum continuous rating of less than 50 brake horsepower are exempt, previously the requirement was less than 100 bhp.

Changed Title V as required to add an emergency, natural gas fired internal combustion engine powered pump:

Equipment Description added to section F on Page I-5.

Equipment Description and Equipment Specific Compliance Conditions added to Section D, Page III – 29 and III-30, for District Permitted Equipment, Number E009231.

Added Permit Revision Section to Title V Permit on Page 2

Added Reference on Title V Cover Page 1 to “See Title V Page 2 For Permit Revision Summary”

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PART I INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

<u>Owner/Company Name:</u> COMPANY	SOUTHERN CALIFORNIA GAS
<u>Owner Mailing Address:</u>	Southern California Gas Company P.O. Box 2300, Chatsworth CA 91313 Newberry Springs Compressor Station
<u>Facility Name:</u>	Newberry Springs Compressor Station
<u>Facility Location:</u>	3 miles south of I-40 at 28901 Fort Cady Road, Newberry Springs, CA 92365
<u>MDAQMD Federal Operating Permit Number:</u>	3100065
<u>MDAQMD Company Number:</u>	0310
<u>MDAQMD Facility Number:</u>	0065
<u>Responsible Official:</u> <u>Title:</u> Phone Number:	Mr. Carlos Gaeta Field Operations Manager 760-243-6574
<u>Facility "Site" Contact #1:</u> <u>Phone Number:</u>	Scott Brewer (760) 243-6576
<u>Facility "Site" Contact #2:</u> <u>Phone Number:</u>	Harold Lang, Environmental (818) 701-2514
<u>Facility "Off Site" Contacts:</u> <u>Phone Number:</u>	Darrell Johnson (213) 244-2142
<u>Nature of Business:</u> <u>SIC Code:</u> <u>Facility Location:</u>	Natural Gas Compression and Transmission 4922 – Natural Gas Pipeline UTM (Km) 537.117E / 3848.788N

- B. FACILITY DESCRIPTION: Federal Operating Permit (FOP number: 3100065) for Southern California Gas Company (SCG), Newberry Springs Compressor Station, located 3 miles south of I-40 at 28901 Fort Cady Road, Newberry Springs, CA 92365. SCG, Newberry Springs Compressor Station - is a natural gas compression and transmission pipeline facility located near Newberry Springs, California. IC Engine Equipment description as follows:
- C. SEVEN (7) IC ENGINES (MDAQMD PERMIT # B000290), CLARK, PISTON TYPE, 2000 BHP EACH, NATURAL GAS FUELED, LEAN BURN PRECOMBUSTION CHAMBER LOW NO_x EMISSION DESIGN, EACH DRIVING NATURAL GAS COMPRESSORS # 1 THROUGH # 3 FOR A TOTAL OF 21 COMPRESSORS AS FOLLOWS; 14,000 TOTAL BHP, 98,000,000 BTU/HR TOTAL, ALL WITH MODEL # TLA-6, SERIAL #S 73583, 73620, 73584, 73610, 73585, 73623, AND 73586:
- D. ONE (1) EMERGENCY IC ENGINE (MDAQMD PERMIT # B003483), WAUKESHA, PISTON TYPE, NATURAL GAS FUELED, 6 CYLINDERS, MODEL # F1197GU, SERIAL # 104806, 166 BHP @ 1000 RPM, DRIVING AN AIR COMPRESSOR.
- E. ONE (1) EMERGENCY NATURAL GAS FIRED IC ENGINE (MDAQMD PERMIT # E009231), WAUKESHA, PISTON TYPE, NATURAL GAS FUELED, 6 CYLINDERS, MODEL # F554GUFN, SERIAL # 114860, 91 BHP @ 1760 RPM, DRIVING A FIRE WATER PUMP.
- F. WASTE OIL STORAGE TANKS, CONSISTING OF:
ONE (1) 8350 GALLON ABOVEGROUND IC ENGINE WASTE OIL STORAGE TANK; MDAQMD PERMIT # T002278
ONE (1) 950 GALLON ABOVEGROUND WASTE CONDENSATE VESSEL; MDAQMD PERMIT # T007973 (serving 7 IC Engines and designed to be emptied by a vacuum truck):
- G. NATURAL GAS ODORANT AND INJECTION SYSTEM; MDAQMD PERMIT # T008626; (250 gallon odorant tank with related equipment, odorant control system, odorant metering system, odorant filtering equipment, and related appurtenances.)
- H. TEN (10) NATURAL GAS FIRED MICROTURBINE ELECTRICAL GENERATORS; CAPSTONE C200; RATED AT 2.4 MMBtu/hr (200kW) each, operating with an integral oxidation catalyst, MDAQMD PERMIT # TBD;

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]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate. [Rule 203]
3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit. [Rule 204]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified. [Rule 204]
5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the APCO/District. [Rule 206]
6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules. [Rule 207]

7. Permits are not transferable. [Rule 209]
8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing. [Rule 217]
9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in 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. [Rule 219]
10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility. [Rule 221]
11. Owner/Operator shall pay all applicable MDAQMD permit fees. [Rule 301]
12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees. [Rule 312]
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; Rule 401]
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]
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]
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.
[Rule 403.2]
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]
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]
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]
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]
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]
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] 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. [Rule 430]
25. Owner/Operator of this facility shall not discharge into the atmosphere emissions in excess of the following from VOC containing materials or from organic solvents which are not VOCs unless such emissions have been reduced by at least 85%:
- (a) VOCs 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.
 - (b) a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average.
 - (c) The provisions of this condition shall not apply to:
 - (1) The manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (2) The emissions of VOCs from VOC-containing materials or equipment which are subject to the rules of Regulation IV or which are exempt from air pollution control requirements by said rules.
 - (3) The spraying or other employment of organic solvents as insecticides, pesticides or herbicides.
 - (4) The use of equipment or materials for which other requirements are specified in source specific rules of Regulation XI after the compliance dates specified in such source specific rules.
 - (5) The use of 1-1-1 Trichloroethane.
 - (6) Aerosol products
[Rule 442]
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]
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]

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:

MDAQMD Rule 1113, Table 1

Coating Category	Effective 1 January 2013 VOC Grams/Liter
Primary Coatings	
Flat Coatings	50
Nonflat Coatings	100
Nonflat-High Gloss Coatings	150
Specialty Coatings	
Aluminum Roof Coatings	400
Basement Specialty Coatings	400
Bituminous Roof Coatings	50
Bituminous Roof Primers	350
Bond Breakers	350
Concrete Curing Compounds	350
Concrete/Masonry Sealers	100
Driveway Sealers	50
Dry Fog Coatings	150
Faux Finish Coatings	350
Fire Resistive Coatings	350
Floor Coatings	100
Form-Release Compounds	250
Graphic Arts Coatings (Sign Paints)	500
High Temperature Coatings	420
Industrial Maintenance Coatings	250

Low Solids Coatings	120 ^a
(a: Limit is expressed as VOC Actual)	
Magnesite Cement Coatings	450
Mastic Texture Coatings	100
Metallic Pigmented Coatings	500
Multi-Color Coatings	250
Pre-Treatment Wash Primers	420
Primers, Sealers, and Undercoaters	100
Reactive Penetrating Sealers	350
Recycled Coatings	250
Roof Coatings	50
Rust Penetrative Coatings	250
Shellacs:	
Clear	730
Opaque	550
Specialty Primers, Sealers, and Undercoaters	100
Stains	250
Stone Consolidants	450
Swimming Pool Coatings	340
Traffic Marking Coatings	100
Tub and Tile Refinish Coatings	420
Waterproofing Membranes	250
Wood Coatings	275
Wood Preservatives	350
Zinc-Rich Primers	340
[Rule 1113]	

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]

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]

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*).]
31. Owner/Operator shall comply with all requirements of Rule 1211 - *Greenhouse Gas Provisions of Federal Operating Permits*. Specifically, the Owner/Operator shall include Greenhouse Gas (GHG) emission data and all applicable GHG requirements with any application, as specified in 1211(D)(1), for a Federal Operating Permit. [Rule 1211]

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]

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; 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. The *Compliance Certification Report* shall be postmarked by May 30th of each year. Each report must cover the annual period from May 1st through April 30th and shall be certified to be true, accurate, and complete by “The Responsible Official”. A copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator. [40 CFR 72.90.a and *Derived from* Rule 1203 (D)(1)(g)(v - x)]
[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. Each *Monitoring Report* shall cover the periods from May 1st to October 31st, and be postmarked by the 30th of November, and from November 1st to April 30th,

and be postmarked by the 30th of May. 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 02/24/95]
- (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 1203(D)(1)(e)(i)]

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

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

- (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
- (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance. [Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

C. FACILITY-WIDE COMPLIANCE CONDITIONS:

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice. [40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit. [40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit. [40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement. [40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application. [1203 (D)(1)(f)(ii)]

6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit. [Rule 1201 (I)(2); Rule 1203(D)(1)(g)(v)]
7. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*. [40 CFR 61, subparts A and M]
8. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*. [40 CFR 61.145.b]
9. Owner/Operator shall notify the APCO/District, on an **annual** basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability]. [40 CFR 61.145.b]

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

- A. CONDITIONS APPLICABLE TO THE FOLLOWING NATURAL GAS FUELED IC ENGINES: CONSISTING OF: SEVEN (7) IC ENGINES (MDAQMD PERMIT # B000290), CLARK, PISTON TYPE, 2000 BHP EACH, NATURAL GAS FUELED, TURBOCHARGED, INTERCOOLED, LEAN BURN PRECOMBUSTION CHAMBER LOW NO_x EMISSION DESIGN, EACH DRIVING INTEGRAL NATURAL GAS COMPRESSORS # 1 THROUGH # 3 FOR A TOTAL OF 21 COMPRESSORS AS FOLLOWS: 14,000 TOTAL BHP, 98,000,000 BTU/HR TOTAL, SERIAL #S 73583, 73620, 73584, 73610, 73585, 73623, AND 73586.
1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
 2. Owner/Operator shall operate all equipment described in this permit in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emission of air contaminants.
 3. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which the District permit was issued. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions)
 4. These engines shall be fired on PUC quality natural gas only. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions)
 5. Owner/Operator shall maintain all operating logs; including inspection, repair and maintenance records; and fuel use information; on this equipment current and on-site, for a minimum of 5 years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit. Records shall be provided to District, state or federal personnel upon request. These Records shall include a copy of the PUC quality natural gas fuel specifications used to fuel engines. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions) [40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)] [Rule 1203(D)(1)(d)(ii)]
 6. Owner/Operator shall conduct biennial compliance tests in strict accord with the District's

Compliance Test Procedural Manual commencing in 1999. These tests shall demonstrate compliance with District Rule 1160. The test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of the District permit in the year that testing is required. [Rule 1160] [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions)

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

Emissions Standards

- (a) VOC Emissions - internal combustion engines subject to Rule 1160 shall not exceed 255 ppm_v* of Volatile Organic Compounds (VOCs).
(b) NO_x Emissions - internal combustion engines subject to Rule 1160 shall not exceed the following emission standards:
(i) Lean-burn Engines:

Oxides of Nitrogen (NO _x)	140 ppm _v *
Carbon Monoxide (CO)	4500 ppm _v *

* All ppm_v limitations shall be referenced at 15 percent volume stack gas oxygen measured on a dry basis and averaged over 15 consecutive minutes. [Rule 1160] [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions)

8. Clark engine No. 73586 has been modified with a lean burn, pre-combustion chamber low emission design to reduce the emissions of NO_x. The emission of NO_x from this modified engine shall not exceed 2.0 gr/bhp-hr at 300 rpm, 2000 bhp and 100 deg Fahrenheit ambient temperature. The Owner/Operator shall conduct annual compliance tests on this engine in strict accord with the MDAQMD Compliance Test Procedural Manual. The test results shall be submitted to the MDAQMD not later than six (6) weeks prior to the expiration date of this permit. [Rule 1160] [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions)
9. The total emissions of NO_x from engines 1 through 6 (Serial #s 73583, 73620, 73584, 73610, 73585 and 73623) shall each be individually limited to 39 tons per year, calculated on a 12-month rolling average. Compliance with the 12-month rolling average emission limit shall be determined by using fuel use data and the fuel use-based emission factor derived from the most recent MDAQMD compliance test. In addition:
- a. The emission of NO_x from these six engines shall not exceed 2.0 gr/bhp-hr at 300 rpm, 2,000 bhp and 199 deg Fahrenheit ambient temperature.
- b. The Owner/Operator shall conduct biennial compliance tests on these engines in strict accord with the MDAQMD Compliance Test Procedural Manual, commencing in 1998.

- c. The test results shall be submitted to the MDAQMD no later than six (6) weeks prior to the expiration date of this permit in the year that testing is required.
[Rule 1160] [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions)
10. Owner/Operator of this facility shall comply with the following Rule 1160 Monitoring; Recordkeeping; Reporting and Testing Requirements:
- (a) Monitoring
1. Operator's of internal combustion engines subject to this rule shall conduct their inspections, which ever is the more frequent of, at least every calendar quarter or after every 2,000 hours of engine operation. In no event shall the frequency of inspection be less than once per year.
 2. Compliance shall be verified at least once in every 12 months, unless otherwise specified by the District, by an emissions compliance test. At a minimum, emissions compliance testing shall be conducted for NO_x, VOC, CO and O₂ levels in compliance with the provisions of the District's Compliance Test Procedural Manual.
- (b) Recordkeeping Requirements
- The Owner/Operator shall maintain a log for each engine containing, at a minimum, the following data:
1. District ATC/PTO number, unit identification number and emissions control device identification number, when applicable.
 2. Quarterly fuel use and quarterly hours of operation, on a calendar quarter basis.
 3. The date and a summary of any emissions corrective maintenance taken.
 4. Any additional information required in the facility's District approved Emission Control Plan, when applicable.
 5. The operator shall maintain the logs on site for a period of 5 years after the date of each entry. The log shall be provided to District, state or federal personnel upon request.
- (c) Test Methods
1. NO_x emissions for compliance tests shall be determined by EPA Method 7E.
 2. CO emissions for compliance tests shall be determined by using EPA Method 10.
 3. The measurement of VOC emissions shall be conducted in accordance with EPA Methods 18, 25 and/or 25A (40 CFR 60, Appendix A) as they exist on (date of adoption) and test procedures should be performed in accordance with a protocol approved by the APCO.
 4. Oxygen content for compliance tests shall be determined by using EPA Method 3A.
 5. Determination of the exempt compounds, shall be performed in accordance with ASTM Test Method D 4457-85 (Solvents and Coatings) and be consistent with the

provisions set forth in the Federal Register (FR, Vol. 56, No. 52, March 18, 1991). Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies a specific compound or compounds from the broad classes of perfluorocarbons listed in 40 CFR 51.100(S)(1) as being present in the product or process. When such compounds are identified, the facility shall provide the test method to determine the amount(s) of the specific compound(s). [Rule 1160] [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions)

- B. CONDITIONS APPLICABLE TO INTERNAL COMBUSTION ENGINE; MDAQMD PERMIT # B003483: CONSISTING OF: ONE (1) EMERGENCY IC ENGINE, WAUKESHA, PISTON TYPE, NATURAL GAS FUELED, 6 CYLINDERS, MODEL # F1197GU, SERIAL # 104806, 166 BHP @ 1400 RPM, DRIVING AN AIR COMPRESSOR.
1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
 2. Owner/Operator shall operate this equipment in strict accord with manufacturer's specifications and/or sound engineering principles.
 3. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which the District permit was issued. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions)
 4. Owner/Operator shall maintain all operating logs; including inspection, repair and maintenance records; and fuel use information; on this equipment current and on-site, for a minimum of 5 years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit. Records shall be provided to District, state or federal personnel upon request. These Records shall include a copy of the PUC quality natural gas fuel specifications used to fuel engines. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions) [40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)] [Rule 1203(D)(1)(d)(ii)]
 5. Owner/operator must meet the following requirements;
 - a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in §63.6625(i) in order to extend this 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
 - d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup

to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
[40 CFR 63.6603, table 2d]

- C. CONDITIONS APPLICABLE TO INTERNAL COMBUSTION ENGINE; MDAQMD PERMIT # E009231: CONSISTING OF ONE: (1) EMERGENCY NATURAL GAS FIRED IC ENGINE (MDAQMD PERMIT # E009231), WAUKESHA, PISTON TYPE, NATURAL GAS FUELED, 6 CYLINDERS, MODEL # F554GUFN, SERIAL # 114860, 91 BHP @ 1760 RPM, DRIVING A FIRE WATER PUMP.
1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
 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.
 3. 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.
 4. This unit shall only be fired on public utility-supplied natural gas.
 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*](For Periodic Monitoring Requirements, see Part II and Part III conditions)
 6. This unit shall be operated no more than 52 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 52 hour per year limit. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions) [40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)] [Rule 1203(D)(1)(d)(ii)]
 7. The o/o shall maintain a log for this unit, which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of two (2) years and shall be provided to District personnel on request:
 - a. Date of each test;
 - b. Why equipment was operated (testing & maintenance, emergency use, required emission testing)
 - c. Monthly usage and annual operation in terms of fuel consumption (in Btus, therms or cubic feet) and total hours;
 - d. Retain equipment usage and fuel log for 3 years with 2 years at least onsite or at central location.

8. Owner/operator must meet the following requirements;
 - a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in §63.6625(i) in order to extend this 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
 - d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6603, table 2d]

- D. WASTE OIL STORAGE TANKS, CONSISTING OF:
ONE (1) 8350 GALLON ABOVEGROUND IC ENGINE WASTE OIL STORAGE TANK; MDAQMD PERMIT # T002278; CONSISTING OF; ONE (1) 950 GALLON ABOVEGROUND WASTE CONDENSATE VESSEL; MDAQMD PERMIT # T007973 (serving 7 IC Engines and designed to be emptied by a vacuum truck)

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions)

2. This petroleum product tank must be equipped with a permanent submerged fill pipe. Tank shall only be filled by means of permanent submerged fill pipe.

3. All flanges, seals, pumps and other appurtenant equipment shall be installed and maintained to prevent the loss of volatile fractions.

4. Owner/Operator shall log all shipments of oil to other parties and the hauler of said oil. Additionally, this log shall contain the mass (or volume) and the date of the oil shipment. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions)

5. This tank is limited to storing IC Engine waste oil generated on-site by So Cal Gas Co. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements, see Part II and Part III conditions)

6. All information provided with the application is incorporated as conditions to construct and operate this equipment and this equipment shall be operated/maintained in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.

7. Owner/Operator shall maintain and keep an operating log on-site for a minimum of five (5) years and provide it to District, state or federal personnel on request.

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

- E. NATURAL GAS ODORANT STORAGE AND INJECTION SYSTEM:
MDAQMD PERMIT # T008626; (250 gallon odorant tank with related equipment, odorant control system, odorant metering system, odorant filtering equipment, and related appurtenances.)
1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions. [Rule 204]
 2. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the original District permit application.
 3. This equipment shall be properly maintained and kept in good operating condition. Owner/Operator shall monitor this system for leaks by conducting periodic leak checks. Daily inspections are conducted M-F (5 days/week) and no case shall 3 days pass without conducting an inspection. Owner/Operator shall comply with District Rule 430 Breakdown Provisions. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements; see Part II and Part III conditions) [Rule 430]
 4. Owner/Operator shall operate/maintain this system in strict accord with manufacturer/supplier recommendations and/or sound engineering principles. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements; see Part II and Part III conditions)
 5. Odorant tanks and the delivery truck used to fill each tank must be equipped with a Two Point Phase I - type vapor recovery system. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements; see Part II and Part III conditions) [Rule 204; Rule 430]
 6. Two Point Phase I type vapor recovery system must be utilized whenever any odorant tank is being filled. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements; see Part II and Part III conditions) [Rule 430]
 7. Odorant tanks shall not be filled more than 90% of its maximum capacity. [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](For Periodic Monitoring Requirements; see Part II and Part III conditions) [Rule 430]
- F. TEN (10) NATURAL GAS FIRED MICROTURBINE ELECTRICAL GENERATORS; CAPSTONE C200; RATED AT 2.4 MMBtu/hr (200kW) each, operating with an integral oxidation catalyst, MDAQMD PERMIT # TBD:

1. This equipment shall be exclusively fueled with pipeline quality natural gas with a Sulfur content not exceeding 1.0 grains per 100 dscf on a raing twelve month average basis, and shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles. Unless Otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. Compliance with this limit shall be demonstrated by providing evidence of a contract, tariff sheet or other approved documentation that shows that the fuel meets the definition of pipeline quality gas. [Requirements of 431-Sulfur Content of Fuel streamlined out. Rule 1302 (C)(2)(a), District Rule 1303(A)-BACT]
2. Owner/operator shall maintain an operations log {in either electronic or hardcopy format) for this equipment, which contains at a minimum the following information. Log must be maintained on-site for a minimum of five (5) years and presented to District; State, or Federal personnel upon request.
 - a. Calendar year summary of emissions;
 - b. Monthly fuel consumption summary using individual fuel rates (in cubic feet);
 - c. Annual average heating value of fuel (in accordance with District Rule 1159 or equivalent);
 - d. Daily hours operated at each low, mid , and high operating load range;
 - e. Record(s) of alt maintenance, malfunction, repairs (eg corrective action); and L Results of most recent compliance test.
 - f. Results of most recent compliance test.[District Rule 1303(A); District Rule 1303(B); District Rule 431]
3. Emissions torn each microturbine shall not exceed the following emission limits, verified by compliance test of one representative unit and measured at full load (corrected to 15 percent oxygen and using HHV of 1020 Btu/Scf);
NOx: 0.035 lb/hr (based on 4 ppmvd)
VOC: 0.002 lb/hr
CO: 0.043 lb/hr (based on 8 ppmvd)
SOx: 0.0027 lb/MMBtu
PM10: 0.0056 lb/MMBtu
[District Rule 1303(A)]
4. The o/o must conduct all required compliance tests in accordance with a District-approved test plan. Thirty (30) days prior to the compliance tests the operator shall provide a written test plan for District review and approval. Written notice ofthe compliance test shall be provided to the District ten (10) days prior to the tests so that an observer may be present. A written report with the results of such compliance tests shall be submitted to the District within forty-five (45) days after testing. [District Rule 1303(A)]

5. The o/o must perform the following compliance tests at least once every five years commencing with an initial compliance test- The initial compliance test report shall be submitted to the District not later than 180 days after date of Initial start-up. The compliance test must be carried out in accordance with a District-approved test plan and MDAQMD Compliance Test Procedural Manual. Testing of only one microturbine unit is required during each test. Each subsequent compliance test report shall be submitted to the District no later than 45 days after completion of the test. The following compliance tests are: required and must be conducted in each low, mid, and full operating load range;
 - a. NOx as N₂ in ppmvd at 15% oxygen and lb/hr (measured per USEPA Reference Method 7E);
 - b. VOC as CH₄ in ppmvd at 15% oxygen and lb/hr (measured per USEPA Reference Methods 25A and 18);
 - c. CO in ppmvd at 15% oxygen and lb/hr (measured: per USEPA Reference Method 10);
 - d. SO_x as SG₂ in ppmvd at .15% oxygen and lb/hr; (Initial test only)
 - e. PM₁₀ in mg/m³ at 15% oxygen and lb/hr (measured per USEPA Reference Methods 5 and 202 or CARS Method 5 or equivalent. Front half and back half required); (Initial test only) and
 - f. Flue gas flow rate In dscfm (measured per USEPA Method 19). [District Rule 1303(A)]

6. Total emissions from this equipment shall not exceed the following in any consecutive 12 month period. Emissions shall be calculated using the most recent source test result and operational data (duration operated in each low, mid, high load range).

NO_x: 69,446.2 lb/yr (based on five units at low load)
VOC: 376.9 lb/yr (based on all units at mid load)
CO: 10,886.7 lb/yr (based on five units at mid load)
SO_x: 588.9 lb/yr
PM₁₀: 1,214.6 lb/yr All emissions based on operation of all units at full load unless otherwise specified
[District Rule 1303(B); District Rule 1305(B)(2)]

7. O/o must continuously monitor the duration each unit operates at each low, mid, and full load using a data acquisition and handling system approved by the District. Each low, mid, and full operating load range that the unit is operating in must be recorded at least once every 15 minutes during operation. Collected operating data shall be paired with emission rate (from most recent source test) and the emissions calculated on an hourly and annual basis. Data shall be quality assured and reported in accordance with 40 CFR Part 75 (or District approved protocol) and any malfunctions must be reported in accordance with District Rule 218. [District Rule 1303(A)]

8. O/o must install, operate, and maintain in calibration;
 - a. Non-resettable totalizing fuel meter for each unit; and
 - b. Continuous measurement and recording of elapsed time of operation. Derived from District Rule 1159; District Rule 1303(A)]

9. The 10 microturbines under valid District Permit B011636 are a direct replacement for three (3) existing natural gas IC engines at this facility (8000291, B000292, and B000293). Within 180 days of operation these three IC engines must be removed or converted to emergency use only generators as part of this replacement project. Please note these IC engines were converted to emergency use (allowed to operate as prime until replacement occurs) only by permit condition, concurrent with permitting of microturbines. [District Rule 1303(B); District Rule 1305(B)(2)]

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)]

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. ALTERNATIVE OPERATING SCENARIO (S):

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)f]*
 - D. Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). *[See 1203(E)(1)(c)(i)f]*
- III. Other Requirements:
- A. The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
 - B. The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)]* [Rule 1203(E)(1)(c)]

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. CONVENTIONS

The following referencing conventions are used in this federal operating permit:

- 40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS)
- 40 CFR Part 60, Appendix F, Quality Assurance Procedures
- 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- 40 CFR Part 61, Subpart M, National Emission Standards for Asbestos
- 40 CFR Part 63--National Emission Standards For Hazardous Air Pollutants For Affected Source Categories
- 40 CFR Part 72, Permits Regulation (Acid Rain Program)
- 40 CFR Part 73, Sulfur Dioxide Allowance System
- 40 CFR Part 75, Continuous Emission Monitoring
- 40 CFR Part 75, Subpart D, Missing Data Substitution Procedures
- 40 CFR Part 75, Appendix B, Quality Assurance and Quality Control Procedures
- 40 CFR Part 75, Appendix C, Missing Data Estimating Procedures
- 40 CFR Part 75, Appendix D, Optional SO₂ Emissions Data Protocol
- 40 CFR Part 75, Appendix F, Conversion Procedures
- 40 CFR Part 75, 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

Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO ₂	carbon dioxide

District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH ₃	ammonia
NMOC	non-methane organic compounds
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
O ₂	oxygen
pH	pH (acidity measure of solution)
PM ₁₀	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO _x	oxides of sulfur
SO ₂	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure

PART VII SIP History and Status For Cited Rules

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	USEPA Action	CFR	FR Date	FR Cite
SO	203	Permit to Operate	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
SB	203	Permit to Operate				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
MD	203	Permit to Operate		7/25/1977	G-73					
SO	204	Permit Conditions	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
SB	204	Permit Conditions				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
MD	204	Permit Conditions		7/25/1977	G-73					
SO	206	Posting of Permit To Operate	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
SB	206	Posting of Permit to Operate				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
MD	206	Posting of Permit to Operate		7/25/1977	G-73					
SO	207	Altering or Falsifying of Permit	RC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
RC	207	Altering or Falsifying of Permit			G-73	6/6/1977	App	40 CFR 52.220(c)(39)(iv)(B)	11/9/1978	43 FR 52237
MD	207	Altering or Falsifying of Permit		7/25/1977 via Res. 94-03	G-73					
SO	207	Altering or Falsifying of Permit	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
SB	207	Altering or Falsifying of Permit				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
MD	207	Altering or Falsifying of Permit		7/25/1977	G-73					
SO	209	Transfer and Voiding of Permit	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
SB	209	Transfer and Voiding of Permit				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
MD	209	Transfer and Voiding of Permit		7/25/1977	G-73					
SO	217	Provision for Sampling and Testing Facilities	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
						6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	217	Provision for Sampling and Testing Facilities								
MD	217	Provision for Sampling and Testing Facilities		7/25/1977	G-73					

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SO	219	{Title Unknown }				4/21/1976	App	40 CFR 52.220(c)(31)(vi)(C)	11/9/1978	43 FR 52237
						8/2/1976	App	40 CFR 52.220(c)(32)(iv)(C)		
RC	219					6/6/1977	App	40 CFR 52.220(c)(39)(iv)(B)	11/9/1978	43 FR 52237
SB	219	Equipment Not Requiring a Written Permit			G-73	6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	219	Equipment Not Requiring a Written Permit Pursuant to Regulation II				7/25/1979	U			
					SC Bef 10/81	10/23/1981	App	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
						2/7/1989	NPRM		11/16/1990	55 FR 47894
						<u>11/12/1992</u>				
MD	219	Equipment Not Requiring a Written Permit				1/28/1992				
						1/24/1995				
						10/30/2001				
			MD	8/23/2010	(SIP Sub)	12/7/2010				
SC	221	Plans	RC			11/12/1985		40 CFR 52.220(c)(165)(i)(B)(1)	<u>4/17/1987</u>	<u>52 FR 12522</u>
				None	<u>1/4/1985</u>					
MD	221	Federal Operating Permit Requirement	MD		2/21/1994	3/31/1995	App	40 CFR 52.220(c)(216)(i)(A)(2)	2/5/1996	61 FR 4217
					2/28/2011	(SIP Sub)				
RC	301	Permit Fees	MD			6/6/1977	App	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
SC	301	Permit Fees				1/2/1979	U	40 CFR 52.220(c)(47)(i)(A)		
						4/23/1980	App	40 CFR 52.220(c)(69)(ii)	9/28/1981	46 FR 47451
						7/14/1981	U	40 CFR 52.220(c)(102)(iv)(A)	7/6/1982	47 FR 29231
						2/3/1983	App	40 CFR 52.220(c)(127)(vii)(C)	10/19/1984	49 FR 41028
						7/19/1983	App	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
						<u>10/25/1991</u>				
						<u>1/11/1993</u>				
						<u>2/28/1994</u>				
MD	301	Permit Fees		6/24/2012	Not SIP		Del	40 CFR 52.220(c)(39)(iv)(C)	1/18/2002	67 FR 2573

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MD	312	Fees for Federal Operating Permits	MD	12/21/1994	Current					
SB	401	Visible Emissions	SBC			6/6/1977	App	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	401	Visible Emissions		7/25/1977	G-73					
MD	402	Nuisance	MD	7/25/1977	Not SIP					
SO	403	Fugitive Dust	SBC			8/2/1976	App	40 CFR 52.220(c)(32)(iv)(A)	6/14/1978	43 FR 25684
SB	403	Fugitive Dust				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	403	Fugitive Dust		7/25/1977	G-73					
MD	403.2	Fugitive Dust Control for MDPA	MD	7/22/1996	(SIP Sub)	10/18/1996				
SO	404	Particulate Matter - Concentration	SBC			8/2/1976		40 CFR 52.220(c)(32)(iv)(A)	6/14/1978	43 FR 25684
SB	404	Particulate Matter - Concentration				N/A	D	40 CFR 52.227(b)(3)(i)	6/14/1978	43 FR 25684
MD	404	Particulate Matter - Concentration		7/25/1977	Current	11/4/1977	App	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52489
SO	405	Solid Particulate Matter, Weight	SBC			8/2/1976	App	40 CFR 52.220(c)(32)(iv)(A)	6/14/1978	43 FR 25684
SB	405	Solid Particulate Matter, Weight				11/4/1977	App	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52489
MD	405	Solid Particulate Matter, Weight		7/25/1977	Current					
SB	406	Specific Contaminants	SBC			11/4/1977	App	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52489
MD	406	Specific Contaminants		2/20/1979	7/25/1977					
SO	407	Liquid and Gaseous Air Contaminants	SBC			8/2/1976	App	40 CFR 52.220(c)(32)(iv)(A)	6/14/1978	43 FR 25684
SB	407	Liquid and Gaseous Air Contaminants								
MD	407	Liquid and Gaseous Air Contaminants		7/25/1977	G-73	6/6/1977	App	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SO	408	Circumvention	SBC			8/2/1976	App	40 CFR 52.220(c)(32)(iv)(A)	6/14/1978	43 FR 25684
SB	408	Circumvention				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	408	Circumvention		7/25/1977	G-73					
SO	409	Combustion Contaminants	SBC			8/2/1976	App	40 CFR 52.220(c)(32)(iv)(A)	6/14/1978	43 FR 25684
SB	409	Combustion Contaminants				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	409	Combustion Contaminants		7/25/1977	G-73					

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SO	430	Breakdown Provisions	MD			2/10/1977		40 CFR 52.220(c)(37)(i)(B)	1/24/1978	43 FR 3275
						N/A	D	40 CFR 52.271(a)(28)(i)	1/24/1978	43 FR 2375
						6/6/1977		40 CFR 52.220(c)(39)(ii)(A)	1/24/1978	43 FR 3275
						N/A	D	40 CFR 52.271(a)(28)(i)	1/24/1978	43 FR 3275
RC	430	Breakdown Provisions				6/6/1977		40 CFR 52.220(c)(39)(iv)(A)	1/24/1978	43 FR 3275
						N/A	D	40 CFR 52.220(a)(22)(i)	1/24/1978	43 FR 2375
MD	430	Breakdown Provisions		12/24/1994	Not SIP	2/24/1995	D	40 CFR 52.271(d)(3)(i)	11/6/2003	68 FR 62738
SO	431	Sulfur Content of Fuels	SBC			2/10/1977		40 CFR 52.220(c)(37)(i)(B)		
SB	431	Sulfur Content of Fuels				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	431	Sulfur Content of Fuels		7/25/1977	G-73					
RC	442	Usage of Solvents	MD			6/6/1977	App	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
SC	442	Usage of Solvents				12/17/1979	App	40 CFR 52.220(c)(59)(ii)(B)	9/28/1981	46 FR 47451
						5/20/1982	App	40 CFR 52.220(c)(125)(ii)(D)	11/16/1983	48 FR 52054
SB	442	Usage of Solvents				6/6/1977	App	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
MD	442	Usage of Solvents				5/23/1979	App	40 CFR 52.220(c)(51)(xii)(B)	6/9/1982	48 FR 52054
				2/27/2006	Current	5/8/2007	App	40 CFR 52.220(c)(347)(i)(C)(1)	9/17/2007	72 FR 52791
RC	444	Open Fires	MD			6/6/1977	App	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
SC	444	Open Fires				11/5/1981	App	40 CFR 52.220(c)(104)(ii)(A)	7/6/1982	47 FR 29231
SB	444	Open Fires				11/4/1977		40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489
						N/A	D	40 CFR 52.220(b)(12)(i)	12/21/1978	43 FR 59489
						3/23/1988	??			
MD	444	Open Fires				3/3/1997	??			
				9/25/2006	Current	5/8/2007	App	40 CFR 52.220(c)(350)(B)(1)	10/31/2007	72 FR 61525
SO	461	Gasoline Transfer and Dispensing	SBC			4/21/1976	App	40 CFR 52.220(c)(31)(vi)(A)	7/26/1977	42 FR 37976
						11/10/1976		40 CFR 52.220(c)(35)(ii)	7/26/1977	42 FR 37976
SB	461	Gasoline Transfer and Dispensing				11/4/1977		40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489
						12/15/1980	App	40 CFR 52.220(c)(85)(v)(A)	6/9/1982	47 FR 25013
MD	461	Gasoline Tmasfer and Dispensing		5/25/1994	Current	7/13/1994	App	40 CFR 52.220(c)(198)(i)(E)(1)	5/3/1995	60 FR 21702

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MD	1104	Organic Solvent Degreasing Operations	MD	9/28/1994	Current	11/30/1994	App	40 CFR 52.220(c)(207)(i)(D)(2)	4/30/1996	61 FR 18962
SC	1113	Architectural Coatings	RC			7/13/1978		40 CFR 52.220(c)(45)(ii)(A)		
						5/28/1981		40 CFR 52.220(c)(92)(v)(B)(vi)(A)	7/6/1982	47 FR 29231
						11/3/1980		40 CFR 52.220(c)(96)(i)(A)	9/28/1981	46 FR 47451
						10/27/1983		40 CFR 52.220(c)(148)(vi)(B)	10/3/1984	49 FR 39057
						7/10/1984	App	40 CFR 52.220(c)(155)(iv)(A)	1/24/1985	50 FR 3339
						N/A	D	40 CFR 52.229(b)(2)(iii)	2/2/1989	54 FR 5236
						11/12/1985				
						3/23/1988				
						4/5/1991				
						5/13/1991				
						1/11/1993				
SB	1113	Architectural Coatings	SBC			5/23/1979	App	40 CFR 52.220(c)(51)(xii)(B)	6/9/1982	47 FR 25013
MD	1113	Architectural Coatings	SBC			1/11/1993				
MD	1113	Architectural Coatings	MD	4/23/2012	2/24/2003 (SIP Sub)	4/1/2003	LA/LD	40 CFR 52.220(c)(315)(i)(C)(1)	1/2/2004	69 FR 34
MD	1114	Wood Products Coating Operations	MD	11/25/1996	Current	3/31/1995	App	40 CFR 52.220(c)(216)(i)(A)(4)	4/30/1996	61 FR 18962
						3/3/1997	App	40 CFR 52.220(c)(244)(i)(C)	8/18/1998	63 FR 44132
SB	1115	Metal Parts & Products Coating Operations	MD			6/19/1992				
MD	1115	Metal Parts & Products Coating Operations		4/22/1996	Current	6/23/1996	App	40 CFR 52.220(c)(239)(i)(A)(2)	12/23/1997	62 FR 67002
									2/23/1998	
MD	1200	General (Federal Operating Permit)	MD	2/28/2011						
MD	1201	Definitions (Federal Operating Permit)	MD	9/26/2005						
MD	1202	Applications	MD	9/26/2005						
MD	1203	Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005						

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MD	1205	Modifications of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005						
MD	1206	Reopening, Reissuance and Termination of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005						
MD	1207	Notice and Comment (Federal Operating Permit)	MD	9/26/2005						
MD	1208	Certification (Federal Operating Permit)	MD	9/26/2005						
MD	1209	Appeals (Federal Operating Permit)	MD	9/26/2005						
MD	1210	Acid Rain Provisions of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005						
MD	1211	Greenhouse Gas Provisions of Federal Operating Permits (Federal Operating Permit)	MD	2/28/2011						
MD	1300	General	MD	9/24/2001	3/25/1996	7/23/1996	App	40 CFR 52.220(c)(239)(i)(A)(1)		
SC	1301	General	MD			4/3/1980	CA	40 CFR 52.220(c)(68)(i)	1/21/1981	46 FR 5965
							CA	40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
SB	1301	General				9/5/1980	CA	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1301	Definitions					U	40 CFR 52.220(c)(87)(iv)(A)	6/9/1982	47 FR 25013
								40 CFR 52.232(a)(13)(i)(A)	6/9/1982	47 FR 25013
					3/25/1996	7/23/1996	App	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
				9/24/2001	(SIP Sub)					
SC	1302	Definitions	MD			8/15/1980	CA	40 CFR 52.220(c)(70)(i)(A)	1/21/1981	46 FR 5965
							CA	40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
SB	1302	Definitions				9/5/1980	CA	40 CFR 52.220(c)(87)(iv)(A)	6/9/1982	47 FR 25013
MD	1302	Procedure					U	40 CFR 52.232(a)(13)(i)(A)	6/9/1982	47 FR 25013
					3/25/1996	7/23/1996	App	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
				8/28/2006	(SIP Sub)					

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SC	1303	Applicability and Analysis	MD			4/3/1980	CA	40 CFR 52.220(c)(68)(i)	1/21/1981	46 FR 5965
							CA	40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
						<u>11/21/1986</u>				
						<u>3/26/1990</u>				
						<u>1/28/1992</u>				
SB	1303	Applicability and Analysis				9/5/1980	CA	40 CFR 52.220(c)(87)(iv)(A)	6/9/1982	47 FR 25013
							U	40 CFR 52.232(a)(13)(i)(A)	6/9/1982	47 FR 25013
MD	1303	Requirements			3/25/1996	7/23/1996	App	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
				9/24/2001	(SIP Sub)					
SC	1304	Exemption from Regulation XIII	MD			4/3/1980	CA	40 CFR 52.220(c)(68)(i)	1/21/1981	46 FR 5965
							CA	40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
									<u>6/4/1986</u>	
									<u>11/21/1986</u>	
									<u>1/28/1992</u>	
SB	1304	Exemptions from Regulation XIII				9/8/1980	CA	40 CFR 52.220(c)(87)(iv)(A)	6/9/1982	47 FR 25013
							U	40 CFR 52.232(a)(13)(i)(A)	6/9/1982	47 FR 25013
MD	1304	Emissions Calculations			3/25/1996	7/23/1996	App	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
				9/24/2001	(SIP Sub)					
SC	1305	Special Permit Provisions	MD			4/3/1980	CA	40 CFR 52.220(c)(68)(i)	1/21/1981	46 FR 5965
							CA	40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
						7/10/1984	App	40 CFR 52.220(c)(155)(iv)(B)	1/29/1989	50 FR 3906
SB	1305	Special Permit Provisions				9/5/1980	CA	40 CFR 52.220(c)(87)(iv)(A)	6/9/1982	47 FR 25013
							U	40 CFR 52.220(a)(13)(i)(A)	6/9/1982	47 FR 25013
MD	1305	Emissions Offsets			3/25/1996	7/23/1996	App	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
				8/28/2006	(SIP Sub)					
SC	1306	Emission Calculations	MD			4/3/1980	CA	40 CFR 52.220(c)(68)(i)	1/21/1981	46 FR 5965
								40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
						N/A	D	40 CFR 52.220(a)(2)(i)	1/21/1981	46 FR 5965
						<u>6/4/1986</u>				
						<u>11/21/1986</u>				
						<u>1/28/1992</u>				
SB	1306	Emissions Calculations				9/5/1980	CA	40 CFR 52.220(c)(87)(iv)(A)		47 FR 25013
								40 CFR 52.220(a)(13)(i)(A)	6/9/1982	47 FR 25013
MD	1306	Electric Energy Generating Facilities			3/25/1996	7/23/1996	App	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
				9/24/2001	(SIP Sub)					

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SC	1307	Emissions Offsets	MD			4/3/1980	CA	40 CFR 52.220(c)(68)(i)	1/21/1981	46 FR 5965
							CA	40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
						N/A	D	40 CFR 52.220(a)(3)(iii)	1/21/1981	46 FR 5965
								40 CFR 52.220(c)(87)(iv)(A)	6/9/1982	47 FR 25013
						9/5/1980	CA	40 CFR 52.232(a)(13)(i)(A)	6/9/1982	47 FR 25013
							U	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1307	Rescinded 3/25/96		None	Not SIP	7/23/1996	Del			
SC	1308	Eligibility of Emissions Offsets	MD			8/15/1980	CA	40 CFR 52.220(c)(70)(i)(A)	1/21/1981	46 FR 5965
							CA	40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
SB	1308	Eligibility of Emission Offsets					CA	40 CFR 52.220(c)(87)(iv)(A)	6/9/1982	47 FR 25013
						9/5/1980	U	40 CFR 52.232(a)(13)(i)(A)	6/9/1982	47 FR 25013
MD	1308	Rescinded 3/25/96		None	Not SIP	7/23/1996	Del	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
SC	1310	Analysis, Notice and Reporting	MD		Not SIP	4/3/1980	CA	40 CFR 52.220(c)(68)(i)	1/21/1981	46 FR 5965
							CA	40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
SB	1310	Analysis, Notice and Reporting				9/5/1980	CA	40 CFR 52.220(c)(87)(iv)(A)	6/9/1982	47 FR 25013
							U	40 CFR 52.232(a)(13)(i)(A)	6/9/1982	47 FR 25013
MD	1310	Rescinded 3/25/96				7/23/1996	Del	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1310	Federal Major Facilities and Federal Major Modifications		8/28/2006	(SIP Sub)					
SC	1311	Power Plants	MD			4/3/1980	CA	40 CFR 52.220(c)(68)(i)	1/21/1981	46 FR 5965
							CA	40 CFR 52.220(c)(87)(iv)(A)	6/9/1982	47 FR 25013
SB	1311	Electric Energy Generating Facilities				9/5/1980	CA	40 CFR 52.220(c)(87)(iv)(A)	6/9/1982	47 FR 25013
MD	1311	Rescinded 3/25/96					U	40 CFR 52.232(a)(13)(i)(A)	6/9/1982	47 FR 25013
				None	Not SIP	7/23/1996	Del	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
SC	1313	Permits to Operate	MD			4/3/1980	CA	40 CFR 52.220(c)(68)(i)	1/21/1981	46 FR 5965
							CA	40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
SB	1313	Permits to Operate				9/5/1980	CA	40 CFR 52.220(c)(87)(iv)(A)	6/9/1982	47 FR 25013
							U	40 CFR 52.232(a)(13)(i)(A)	6/9/1982	47 FR 25013
MD	1313	rescinded 3/25/96		None	Not SIP	7/23/1996	Del	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1320	New Source Review for Toxic Air Contaminants	MD	8/28/2006	(SIP Sub)					