Mojave Desert Air Quality Management District

Clean air is everybody's business.

FEDERAL OPERATING PERMIT

Permit No.: **130202262**

Company: **Blythe Energy, LLC**

Facility: **Blythe Energy Project**

Issue date: **11/1/23**

Expiration date: **11/1/28**

MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

www.MDAQMD.ca.gov • @MDAQMD

Signed and issued by
BRAD POIRIEZ
EXECUTIVE DIRECTOR/
AIR POLLUTION CONTROL OFFICER

Mojave Desert Air Quality Management District

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FEDERAL OPERATING PERMIT

Permit No.: **~~130202262~~**

Company: **Blythe Energy, LLC**

Facility: **Blythe Energy Project**

Issue date: **11/18/17**

Expiration date: **11/18/22**

MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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PERMIT REVISIONS

August 25, 2023 Permit Renewal
Processed by Roseana Brasington
Please refer to the Statement of Basis evaluation document dated August 25, 2023 for full details.

March 1, 2021 Administrative Modification
Processed by Roseana Brasington
Update of responsible official, alternate facility "site" contact and Facility "Site" contact information.

November 6, 2019 Administrative Modification
Update of responsible official, alternate facility "site" contact and Facility "Site" Contact phone number.

November 1, 2019 Significant Modification
Processed by Roseana Brasington
Part III, page III-X condition 15: Condition modified to remove VOC emissions testing of the turbines every 5 years under hot, warm, cold startup conditions. Requirement proposed for removal is replaced by hard emissions rates based on approved historical test data.

November 18, 2017 Permit Renewal & Significant Modification
Processed by Roseana Brasington

Cover page updated with renewal dates and executive director
Part I updated to include new responsible official and facility contact, updated permit descriptions and removal of permit units no longer existing at the facility
Part II updated for consistency with current applicable requirements
Part III, page III-44 (significant modification) condition 7, CO limit increased to include CO emissions from SEP. SEP permits have been cancelled. Condition 8 which referenced combined emissions from BEP & SEP (one facility under Regulation XIII) has been removed in its entirety.
Part III, rule cites and formatting updated, permit descriptions updated, permit unit which no longer exists at facility removed from Part III.
Parts IV and V not substantively changed
Part VI Acid Rain Permit and application updated to current.
Part VII SIP Rule table updated

December 18, 2015 Significant Modification:
Processed by Roseana Brasington

Page I-5 Updated Alternative Facility "Site" Contact

Pages III-25 through III-27
Modified permit conditions for combustion turbines B007953 and B007954

Condition 2: reduced maximum permitted fuel sulfur content
Condition 4: reduced lb/hr PM_{10} emissions limit
Condition 6: reduced lb/day PM_{10} emissions limit
Condition 7: reduced ton/year SO_X and PM_{10} emission limits

April 24, 2015 Significant Modification:
Processed by Roseana Brasington

Page I-5: Removed reference to model/serial numbers for the steam generator and steam condensing turbine. Model and serial numbers for the combustion turbines have been provided and are reflected in the current permits.
Page III-25: Removed reference to model/serial numbers for the steam generator and steam condensing turbine. Model and serial numbers for the combustion turbines have been provided and are reflected in the current permits.
Pages III-26-III-27: added annual average emission concentration limit for NOx, annual average mass emission limits for CO and 12-month rolling fuel use limit for the gas turbines, reduced annual NOx, CO and PM10 emission limits and clarified that the emissions limits include all Blythe Energy Project permitted equipment and updated condition language for consistency with District permit. Facility name typographical error corrected.
Page III-29: Removed Authority to Construct permit condition which required the surrender of emission reduction credits. The facility has satisfied the offset requirement.
Page III-34. E007961, permit condition updated and corrected to reflect testing and maintenance hours allowed under CCR Section 93115.6

July 29, 2014 Administrative Modification:
Processed by R.N. Brasington
Updated the following: owner/company name, owner mailing address, facility name, responsible official, facility site contact and alternative facility site contact.

July 2, 2012 Administrative Title V Renewal and Title IV Acid Rain Permit revision (by: Samuel J Oktay, PE)**;** Revised Rule 1113 references, Page II-15 through II-16; added Rule SIP History Reference, Page VII-48; Revised Rule 442 references; Page II-13; Page II-23 added 40 CFR 98 reference for GHG reporting; added 40 CFR 63 Subpart ZZZZ requirements to permits E007961, E008981, and E009492; Pages I-7; III-33 through III-34, III-34 through III-36, and III-36 through III-38 respectively; page III-25 clarified conditions 6 & 7 for permits B007953 & B007954 regarding VOC limits; page III-26 clarified condition 10 for permits B007953 & B007954; changed Permit # C010833, Pages I-7 and III-38 to read Unit 2; Title IV Acid Rain Permit revisions VI-44 through VI-46; Phase II Application added to pages VI-47 through VI-49.

April 11, 2011 Administrative Modification:
Updated physical address due to incorporation into City of Blythe city limits (no change to location of facility), and updated responsible official.

April 8, 2010 Administrative Modification described as follows:
Intro; Addition of oxidation catalyst to each Combustion Turbine Generator/Heat Recovery Steam Generator unit. The design of the units are accommodating to the retrofit of the oxidation

catalyst. An emission decrease is anticipated but current permit limits will remain unchanged. Permit is revised as follows:

Part I

-Description revised to include two oxidation catalysts.

-Section 1.PART III, ITEM A- added Oxidation Catalyst description.

Part III

-Permits B007953 and B007954, revised condition #10 to include reference to Oxidation Catalyst. Deleted reference to future installation of OC (condition #28), renumbered following condition.

-Permits B007955 and B007956, updated condition #3 specifying OC installed and applicable permit numbers thereof.

-Added permit units C010832 ("new" subpart L) and C010833, creating subparts L and M respectively.

Changes made by C. Anderson

TABLE OF CONTENTS

PART I
INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name:	Blythe Energy, Inc.
Facility Names:	Blythe Energy Project
Facility Location:	385 N Buck Blvd, Blythe, CA 92225
Mailing Address:	P.O. Box 1210, Blythe, CA 92226
Federal Operating Permit Number:	130202262
MDAQMD Company Number:	1302
MDAQMD Facility Number:	2262
Responsible Official:	~~Aaron Honor~~Mike Ludwin ~~Plant General Manager~~Senior Director Operations - Power 760-~~921-1360~~600-2103 mike.ludwin@altagas.ca
Facility "Site" Contact(s):	David Gutierrez Senior Manager Operations & Maintenance 760-921-1359 david.gutierrez@altagas.ca ~~Andreas Mehlich~~ ~~Manager Maintenance~~ ~~760-921-1358~~ ~~andreas.mehlich@altagas.ca~~
Alternate Facility "Site" Contact(s):	~~David Gutierrez~~Mike Ludwin Senior Director Operations - Power~~Manager Operations~~ 760-~~921-1359~~600-2103 ~~david.gutierrez~~mike.ludwin@altagas.ca
Nature of Business:	Electric Power Generation
SIC/NAICS Code:	4911/221112- Electric Power Generation
Facility Coordinates	UTM (m) 714609 (E) / 3721719 (N) Lat 33.61570 Long -114.68650

B. FACILITY DESCRIPTION:

1. Application and Setting

BACKGROUND:

Federal Operating Permit (FOP) number 130202262 is for Blythe Energy, Inc. (BEP). BEP~~The plant~~ uses two F-Class Siemens V84.3A combustion turbine generators (CTGs) with dedicated heat recovery steam generators (HRSGs) to produce electricity. Inlet air to the CTGs is filtered and, during seasonally warm conditions, conditioned with chilled air supported by a mechanical draft wet cooling tower (chiller). Compressed air and natural gas are mixed and combusted in the turbine combustion chamber. Lean pre-mixed air and low-NOx combustors are used to minimize NOx formation during combustion. Exhaust gas from the combustion chamber is expanded through a multi-stage power turbine, which drives both the air compressor and electric power generator. Heat from the exhaust gas is then recovered in the HRSG.

Each HRSG is equipped with a duct burner to provide supplementary firing during high ambient temperatures to maintain constant steam production to the condensing steam turbine generator (STG). A Selective Catalytic Reduction (SCR) system is used to reduce Nitrogen Oxides (NOx) emissions. An Oxidation Catalyst is used to reduce Carbon Monoxide (CO) and Volatile Organic Compounds (VOC). Steam is produced in each HRSG and flows to the STG. The STG drives an electric generator to produce electricity. STG exhaust steam is condensed in a surface condenser with water from the main cooling tower.

~~The project site~~BEP also has a 303 brake horsepower (bhp) emergency diesel-fueled internal combustion engine that drives a water pump for fire suppression and a propane fueled 114 bhp internal combustion engine that drives an emergency electrical power generator.

Title V applicability is triggered for Blythe Energy Project because the facility has a Potential to Emit greater than the major source threshold for CO.

C. FACILITY PERMITTED EQUIPMENT:

1. PERMIT B007953 COMBUSTION TURBINE GENERATOR POWER BLOCK (CT1) consisting of: Natural gas fueled Siemens F Class Model V84.3A(2) Serial No. 800436 combustion turbine generator power block producing approximately 260 MW(e) with a connected heat recovery steam generator and a steam condensing turbine (shared with B007954), maximum turbine heat input of 1776 MMBtu/hr.

2. PERMIT B007954 COMBUSTION TURBINE GENERATOR POWER BLOCK (CT2) consisting of: Natural gas fueled Siemens F Class Model V84.3A(2) Serial No. 800437 combustion turbine generator power block producing approximately 260 MW(e) with a connected heat recovery steam generator and a steam condensing turbine (shared with B007953), maximum turbine heat input of 1776 MMBtu/hr.

3. PERMIT B007955 DUCT BURNER UNIT 1: Natural gas burner located within the heat recovery steam generator covered by B007953, maximum heat input of 120 MMBtu/hr. Manufacturer is Forney, model # 1002-WPS-C1 and serial #17130.

4. PERMIT B007956 DUCT BURNER UNIT 2: Natural gas burner located within the heat recovery steam generator covered by B007954, maximum heat input of 120 MMBtu/hr. Manufacturer is Forney, model # 1002-WPS-C1 and serial #17202.

5. PERMIT B007957 MAIN COOLING TOWER: A Marathon Model 9B 445TTFN4573AA wet cooling tower with water circulation, treatment and handling equipment and air circulation equipment, including the following:

Capacity	Equipment Name	Order
250.00	Cooling Cell Fan #8, Motor Serial No. MU402450-2/22-02	1
250.00	Cooling Cell Fan #7, Motor Serial No. MU402450-2/22-01	2
250.00	Cooling Cell Fan #6, Motor Serial No. MU402450-2/22-05	3
250.00	Cooling Cell Fan #5, Motor Serial No. MU402450-2/22-03	4
250.00	Cooling Cell Fan #4, Motor Serial No. MU402450-2/22-06	5
250.00	Cooling Cell Fan #3, Motor Serial No. MU402450-2/22-07	6
250.00	Cooling Cell Fan #2, Motor Serial No. MU402450-2/22-04	7
250.00	Cooling Cell Fan #1, Motor Serial No. MU402450-2/22-08	8
1000.00	Circulating Water Pump #12, Johnson Serial No. 01JB1129B	9
1000.00	Circulating Water Pump #11, Johnson Serial No. 01JB1129A	10

6. PERMIT B007958 CHILLER COOLING TOWER: Water circulation, treatment and handling equipment and air circulation equipment, including units as follows:

Capacity	Equipment Name	Order
250.00	Cooling Cell Fan #12, BAC Model CXVT-844-1426-50 Serial No. U212092202-01-01~~BAC Model CXV-T08 Serial No. U025323712~~	1
250.00	Cooling Cell Fan #11, BAC Model CXVT-844-1426-50 Serial No. U212092201-04-01~~BAC Model CXV-T08 Serial No. U025323711~~	2
250.00	Cooling Cell Fan #10, BAC Model CXVT-844-1426-50 Serial No. U212092201-03-01~~BAC Model CXV-T08 Serial No. U025323710~~	3
250.00	Cooling Cell Fan #9, BAC Model CXVT-844-1426-50 Serial No. U212092201-02-01 ~~BAC Model CXV-T08 Serial No. U025323709~~	4
250.00	Cooling Cell Fan #8, BAC Model CXVT-844-1426-50 Serial No. U212092201-01-01~~BAC Model CXV-T08 Serial No. U025323708~~	5
250.00	Cooling Cell Fan #7, BAC Model CXVT-844-1426-50 Serial No. U210179001-05~~BAC Model CXV-T08 Serial No. U025323707~~	6
250.00	Cooling Cell Fan #6, BAC Model CXVT-844-1426-50 Serial No. U210179001-04~~BAC Model CXV-T08 Serial No. U025323706~~	7
250.00	Cooling Cell Fan #5, BAC Model CXVT-844-1426-50 Serial No. U210179001-03 ~~BAC Model CXV-T08 Serial No. U025323705~~	8
250.00	Cooling Cell Fan #4, BAC Model CXVT-844-1426-50 Serial No. U210179001-02 ~~BAC~~	9

Capacity	Equipment Name	Order
	~~Model CXV-T08 Serial No. U025323704~~	
250.00	Cooling Cell Fan #3, BAC Model CXVT-844-1426-50 Serial No. U210179001-01~~BAC Model CXV-T08 Serial No. U025323703~~	10
250.00	Cooling Cell Fan #1, BAC Model CXVT-1688-2826-100 Serial No. U202332803-01-01~~BAC Model CXV-T08 Serial No. U025323701~~	11
250.00	Cooling Cell Fan #2, BAC Model CXVT-1688-2826-100 Serial No. U202332803-01-02~~BAC Model CXV-T08 Serial No. U025323702~~	12
750.00	Chiller Recirulating Pump #~~4~~1, Cascade Serial No. 16061	13
750.00	Chiller Recirulating Pump #~~3~~2, Cascade Serial No. 16060	14
750.00	Chiller Recirulating Pump #~~2~~3, Cascade Serial No. 16059	15
750.00	Chiller Recirulating Pump #~~1~~4, Cascade Serial No. 16058	16

7. PERMIT C007959 SCR UNIT 1 consisting of: SELECTIVE CATALYTIC REDUCTION system with a catalyst located within the power train covered by B007953 and an ammonia injection system. Manufacturer is Haldor Topsoe; model H05.331cpsi MODULE.

8. PERMIT C007960 SCR UNIT 2 consisting of: SELECTIVE CATALYTIC REDUCTION system with a catalyst located within the power train covered by B007954 and an ammonia injection system. Manufacturer is Haldor Topsoe; model H05.331cpsi MODULE.

9. PERMIT C010832 OXIDATION CATALYST UNIT 1 consisting of: Oxidation Catalyst located within the duct burner covered by B007955. Manufacturer is Johnson Matthey; model is Honeycat, serial number 200cpsi.

10. PERMIT C010833 OXIDATION CATALYST UNIT 2 consisting of: Oxidation Catalyst located within the duct burner covered by B007956. Manufacturer is Johnson Matthey; model is Honeycat, serial number 200cpsi.

11. PERMIT E007961 NON-CERTIFIED DIESEL IC ENGINE, EMERGENCY FIRE PUMP consisting of: Year of Manufacture 2002; USEPA Family Name NA; CARB Executive Order NA; Tier 0, One John Deere, Diesel fired internal combustion engine, Model No. 6081HF001 and Serial No. RG6081H145432, Direct Injected, Turbo Charged, producing 303 bhp with 6 cylinders at 2200 rpm while consuming a maximum of 14 gal/hr. This equipment powers a Pump.

12. PERMIT E009492 PROPANE IC ENGINE, EMERGENCY GENERATOR (CHILLER BLDG) consisting of: One Ford, Propane fired internal combustion engine, Model No. WSG106816005E-NA and Serial No. 01-11- 012316, Direct Injected, Inter Cooled, producing 114 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 12 gal/hr. This equipment powers a Generator.

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 to construct is required to build, erect, install, alter or replace any equipment, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce or control the issuance of air contaminants.
[District Rule 201 - *Permits to Construct*]

~~A permit is required to operate this facility.~~
~~[Rule 203 - *Permit to Operate*]~~

2. A permit is required to operate this facility. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.
[District Rule 203 - *Permit to Operate*]~~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*]~~

3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit ~~.~~to assure compliance with all applicable regulations.
[District Rule 204 - *Permit Conditions*]

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

4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[District Rule 204 - *Permit Conditions*]~~[Rule 204 - *Permit Conditions*]~~

5. The owner/operator must post the Authority to Construct/Permit to Operate on or near the equipment, or as otherwise approved by the Air Pollution Control Officer (APCO) / District pursuant to District Rule 206.
[District Rule 206 - *Posting of Permit to Operate*]
~~Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the APCO/District.~~
~~[Rule 206 - *Posting of Permit to Operate*]~~

6. The owner/operator, or any person, shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
[District Rule 207 - *Altering or Falsifying of Permit*]~~Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.~~
~~[Rule 207 - *Altering or Falsifying of Permit*]~~

7. A permit shall not be transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another. When equipment which has been granted a permit is altered, changes location, changes ownership or no longer will be operated by the permittee, the permit shall become void. For the purposes of this rule, statutory mergers or name changes shall not constitute a transfer or change of ownership.
[District Rule 209 - *Transfer and Voiding of Permits*]~~Permits are not transferable.~~

~~[Rule 209 - *Transfer and Voiding of Permit*;]~~

8. The Air Pollution Control Officer may require the owner/operator to provide and maintain such facilities as are necessary for sampling and testing. In the event of such requirements, the Air Pollution Control Officer shall notify the applicant in writing of the required size, number and location of sampling ports; the size and location of the sampling platform: the access to the sampling platform, and the utilities for operating the sampling and testing equipment. The platform and access shall be constructed in accordance with the General Industry Safety Orders of the State of California.
[District Rule 217 - *Provision for Sampling and Testing Facilities*]
~~The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.~~
~~[Rule 217 - *Provision for Sampling And Testing Facilities*]~~

9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in District Rule 219 and meets the applicable criteria contained in District Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[District Rule 219 - *Equipment Not Requiring a Written Permit*]
~~The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.~~
~~[SIP Pending: Rule 219 - *Equipment Not Requiring a Written Permit*]~~

10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[District Rule 221 - *Federal Operating Permit Requirement*]~~[Rule 221 - *Federal Operating Permit Requirement*]~~

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

12. The ~~O~~owner/o~~O~~perator shall pay all applicable MDAQMD Title V Permit fees.
[District Rule 312 - *Fees for Federal Operating Permits*]

13. The owner/operator shall not discharge into the atmosphere from any single source of

emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) General Visible Emissions Limitation:

(i) As dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or

(ii) Of such opacity as to obscure an observer's view to a degree equal to or greater than 20% opacity.

(b) Abrasive Blasting Visible Emissions Limitation:

(i) For indoor operations using noncertified Abrasive Blasting materials, of such opacity as to obscure an observer's view to a degree equal to or greater than 20% opacity (or equivalent Ringelmann 1).

(ii) For outdoor operations using wet abrasive blasting, hydroblasting, vacuum blasting, or abrasives certified for permissible dry outdoor blasting materials, of such opacity as to obscure an observer's view to a degree equal to or greater than 40% opacity (or equivalent Ringelmann 2).

[District Rule 401 – *Visible Emissions*]~~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*]~~

~~[Rule 401 – *Visible Emissions*]~~

14. The owner/operator shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to

any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.
[District Rule 402 - *Nuisance*]

15. Except during high wind events, 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. The owner/operator shall comply with the applicable requirements of Rule 403(C) including obtaining and maintaining a District-approved Dust Control Plan.
[District Rule 403 - *Fugitive Dust*]

1~~7~~6. The 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 District Rule 404, Table 404 (a).
(a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
(b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
(c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
[District Rule 404 - *Particulate Matter Concentration*]

~~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 0.0015 percent by weight. Compliance with Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be kept on-site and available for review by District, state, or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent.~~
~~[*40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements*]~~
~~[Rule 431 - *Sulfur Content of Fuels*;]~~

~~15. Emissions of fugitive dust from any transport, handling, construction, or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.~~
~~[Rule 403 - *Fugitive Dust*;]~~

~~16. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM_{10} Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved.~~
~~[Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area*]~~

~~17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions,~~

~~shown in Rule 404, Table 404 (a).~~

~~(a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.~~
~~(b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.~~
~~(c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.~~
~~[Rule 404 - *Particulate Matter Concentration*]~~

1~~8~~7. Owner/Operator shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
(a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
(b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.
[Rule 405 - *Solid Particulate Matter, Weight*]

~~19~~18. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO_2), greater than or equal to 500 ppm by volume.
[Rule 406 - *Specific Contaminants*]

~~20~~19. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
(a) The provisions of this condition shall not apply to emissions from internal combustion engines.
[Rule 407 - *Liquid and Gaseous Air Contaminants*]

~~21~~20. Owner/Operator shall not build, erect, install, or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission that would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.
(a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.
[Rule 408 - *Circumvention*]

~~22~~21. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO_2) at standard conditions averaged over a minimum of 25 consecutive minutes.
[Rule 409 - *Combustion Contaminants*;]

~~23~~22. APCO, at his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment that has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:

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

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

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

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

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

[Rule 430 - *Breakdown Provisions*]

23. The owner/operator shall not burn, purchase, transfer, sell or offer for sale for any Stationary Source application in the District, and of the following:

(a) Any Natural Gas, other than pipeline quality Natural Gas, containing sulfur compounds, calculated as H2S, in excess of 16 Parts Per Million by Volume (ppmv).

(b) Any Gaseous Fuel containing sulfur compounds, calculated as H2S, in excess of the concentration limits as measured over the averaging periods for various Gaseous Fuels as specified in the table below:

Fuel Type	**Sulfur Limits (ppmv)**	**Averaging Periods**
Refinery Gas	40	4 Hours
Landfill Gas	250	Daily
Sewage Digester Gas	40 or	Daily or
	40 and 500	Monthly and 15 Minutes
Other Gases	40	4 Hours

(c) Any Diesel Fuel with a sulfur content in excess of 15 ppm by weight. Diesel Fuel with a sulfur content in excess of 15 ppm by weight.

(d) Any other Liquid Fuel with a sulfur content in excess of 500 ppm by weight.

(e) Any Solid Fuel having a sulfur content in excess of 0.5 percent by weight.

[District Rule 431 – *Sulfur Content of Fuels*]

2~~4~~4. The provisions of Regulation IV except District Rule 402 shall not apply to experimental research operations when the following requirements are met:

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

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

[District Rule 441 - *Research Operations*]

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

[District Rule 442 - *Usage of Solvents*]~~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 – *Usage of Solvents*]~~

~~25~~26. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered "open outdoor fires" for the purposes of Rule 444 (reference Rule 444(B)(10)).
[Rule 444 – *Open Outdoor Fires*]

~~26~~27. The owner/operator must comply with all applicable requirements of District Rule 462 when transporting and loading organic liquids into tanks, including Motor Vehicle fuel tanks, tank trucks, trailers or railroad tank cars.
[District Rule 462 – *Organic Liquid Loading*]

28. The owner/operator must comply with all applicable requirements of District Rule 463 when storing organic liquids.
[District Rule 463 – Storage of *Organic Liquids*]

29. The owner/operator shall comply with the more stringent of the requirements for any source of air pollution that is subject to subpart 40 CFR 60, as adopted by reference in District Rule 900, and those requirements applicable by District Rule and Regulation.
[District Rule 900 - *New Source Performance Standards*]

30. The owner/operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of District Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. Some of these requirements are listed as follows:

(a) VOC Content

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

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

(b) Control Equipment

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

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

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

(c) Cleaning Equipment and Method Requirements

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

a. Wipe Cleaning;

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

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

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

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

f. All Degreasers shall be equipped with the following:

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

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

h. Cold Solvent Degreasers - Freeboard Requirements:
1. Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
2. Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover which remains closed during the cleaning operation.
3. Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
4. A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than 1.
5. Cold Solvent Degreasers using High Volatility Solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type which is designed to easily open and close without disturbing the vapor zone.
6. A permanent, conspicuous mark locating the maximum allowable Solvent level conforming to the applicable freeboard requirements.

i. Conveyorized Cold Solvent Degreasers shall be equipped with the following:
   1. A rotating basket or other method, to prevent cleaned parts from carrying out Solvent liquid.
   2. Minimized entrance and exit openings which silhouette the Workloads such that the average clearance between material and the edges of the cleaner openings are less than 10 centimeters (4 inches) or less than ten (10) percent of the opening width, whichever is greater.
   3. A Freeboard Ratio equal to or greater than 0.75.
   4. Alternately, a hood or enclosure to collect emissions which are vented to Control Equipment may be used to satisfy requirement of subsection (C)(3)(i)(iii) of District Rule 1104, provided that the air pollution Control Equipment meets the provisions of subsection (C)(2) of District Rule 1104. The collection system shall have a ventilation rate of 15-20 cubic meters per minute per square meter of Solvent cleaner opening (at each Air-Vapor Interface), unless the rate must be changed to meet Federal and State Occupational Safety and Health Administration requirements, and is approved in writing by the Air Pollution Control Officer (APCO).

j. Batch-loaded Vapor Degreasers shall be equipped with the following:
   1. 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.
   2. A Vapor Level Control Thermostat, a Condenser Flow Switch and a Spray Safety Switch.
   3. A Freeboard Ratio greater than or equal to 0.75.
   4. A Primary Condenser.
   5. In addition, Degreasers with an Evaporative Surface Area greater than or equal to one (1) square meter, shall be equipped with a Refrigerated Freeboard Chiller for which the chilled air blanket temperature (degrees Fahrenheit) at the coldest point on the vertical axis in the center of the Air- Vapor Interface shall be no greater than 30 percent of the Initial Boiling Point (degrees Fahrenheit) of the Solvent used, or 40 degrees Fahrenheit, whichever is greater. (If the chiller operates below the freezing temperature of water, it shall be equipped with an automatic defrost).

6. Alternately, a hood or enclosure to collect emissions which are vented to Control Equipment may be used to satisfy the requirements of subsections (C)(3)(j)(i) and(iii) of District Rule 1104, provided that the air pollution Control Equipment meets the provisions of subsection (C)(2) of District Rule 1104. The collection system shall have a ventilation rate of 15-20 cubic meters per minute per square meter of Solvent cleaner opening (at each Air-Vapor Interface), unless the rate must be changed to meet Federal and/or State Occupational Safety and Health Administration requirements, and is approve in writing by the APCO.

k. Conveyorized Vapor Degreasers shall be equipped with the following:

1. An enclosed drying tunnel or other method, such as a rotating basket, sufficient to prevent cleaned parts from carrying out Solvent liquid or vapor.
2. Minimized entrance and exit openings which silhouette the Workloads such that the average clearance between material and the edges of the Degreaser openings are less than ten (10) centimeters (four (4) inches) or less than ten (10) percent of the opening, whichever is greater.
3. A Primary Condenser.
4. A Freeboard Ratio equal to or greater than 0.75.
5. A vapor control thermostat, a Condenser Flow Switch, and a Spray Safety Switch.
6. Additionally, a Refrigerated Freeboard Chiller for which the chilled air blanket temperature (degrees Fahrenheit) at the coldest point on the vertical axis in the center of the Air- Vapor Interface shall be no greater than 30 percent of the Initial Boiling Point (degrees Fahrenheit) of the Solvent used, or 40 degrees Fahrenheit, whichever is greater. (If the chiller operates below the freezing temperature of water, it shall be equipped with an automatic defrost).
7. Alternately, a hood or enclosure to collect emissions which are vented to Control Equipment may be used to satisfy requirements of subsections (C)(3)(k)(iv) and (vi) of District Rule 1104, provided that the air pollution Control Equipment meets the provisions of subsection (C)(2) of District Rule 1104. The collection system shall have a ventilation rate of 15-20 cubic meters/min per square meter of Degreaser opening (at each Air-Vapor Interface), unless the rate

must be changed to meet Federal and State Occupational Safety and Health Administration requirements, and is approved in writing by the District APCO.

(d) Operating Requirements

(i) All Degreasers shall comply with the following requirements:

a. Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accordance with the recommendations of the manufacturer.

b. Degreasers shall not be operating with any detectable solvent leaks.

c. All solvent, including waste solvent, waste solvent residues, and used applicators, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.

d. Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; or a federally or state licensed facility to treat, store or dispose of such waste; or the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.

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

f. Solvent carryout shall be minimized by the following methods:

1. Rack workload arranged to promote complete drainage

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

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

4. Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.

5. Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)

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

h. Except for sealed chamber degreasers, all solvent agitation shall be by pump recirculation, a mixer, or ultrasonics.

i. The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.

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

k. Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.

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

m. A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.

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

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

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

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

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

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

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

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

c. Parts shall be visually dry and not dripping/leaking Solvent before being removed from the sink. Parts shall be tipped to

release any trapped pools of Solvent before being removed from the sink.

d. The Workload must "drip-dry" while being contained completely within the sink.

(e) District Rule 442 Applicability:

Any solvent using operation or facility which is not subject to the source-specific District Rule 1104 shall comply with the provisions of District Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of District Rule 1104 shall be subject to the applicable provisions of District Rule 442.

(f) Solvent Usage Records:

Owner/Operator subject to District Rule 1104 or claiming any exemption under District Rule 1104, Section (E), shall comply with the following requirements:

(i) 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:

a. Product name(s) used in the degreaser, and

b. The mix ratio of solvent compounds mixtures of solvents are used, and

c. VOC content of solvent or mixture of compounds as used, and

d. The total volume of the solvent(s) used for the facility, on a monthly basis, and

e. The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.

(ii) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of District Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is 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.

(iii) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.

(iv) 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.

[District Rule 1104 – *Organic Solvent Degreasing Operations*]~~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:~~

~~(3) 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*]~~

~~27~~31. The owner/operator's use of Architectural Coatings at this facility shall comply with the applicable requirements of District Rule 1113, including the VOC limits specified in District Rule 1113, Tables 1 and 2.

[District Rule 1113 - *Architectural Coatings*]~~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:~~

~~[Rule 1113 - *Architectural Coatings*]~~

~~Coating Category~~	~~Limit~~
~~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/Masonary Sealers~~	~~100~~
~~Driveway Sealers~~	~~50~~
~~Dry Fog Coatings~~	~~150~~
~~Faux Finishing 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]~~
~~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 Preventative 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

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.

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)

(i) 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 g/L (lb/gal)	On and After 7/1/2005 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)

32. The owner/operator's use of Wood Products Coatings at this facility shall comply with the applicable requirements of District Rule 1114, including, but not limited to, Application Methods, VOC Content of Coatings, and Strippers, Surface Preparation and Cleanup Solvent.
[District Rule 1114 - *Wood Products Coating Operations*] [Rule 1114 - *Wood Products Coating Operations*]

~~29~~33. The owner/operator's use of Metal Parts and Products Coatings at this facility shall comply with the applicable requirements of District Rule 1115, including, but not limited to, Application Methods, VOC Content of Coatings, and Strippers, Surface Preparation and Cleanup Solvent.

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

~~Coating~~	~~Air Dried~~		~~Baked~~	
	~~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*]~~

34. The owner/operator's use of Automotive Coatings at this facility shall comply with the applicable requirements of District Rule 1116, including, but not limited to, Application Methods, VOC Content of Coatings, and Strippers, Surface Preparation and Cleanup Solvent.
[District Rule 1116 – *Automotive Refinishing Operations*]

35. The owner or operator of any affected Stationary Gas Turbine Unit shall not operate such unit under load conditions, excluding the Thermal Stabilization Period and Startup and Shutdown Periods which results in the Measured NOX Emissions Concentration exceeding the emissions limits set forth below:

(a) For Stationary Gas Turbines which are not subject to the alternative federal NOX RACT limits of Subsection (C)(1)(b) and (c), the federal NOX and Carbon Monoxide (CO) RACT limits in Table 1 apply:

Table 1
NO_X and CO Compliance Limits

Control	Operating hours per year	Rating	NO_X Compliance Limit, ppmv at 15% Oxygen		CO Compliance Limit, ppmv at 15% Oxygen
			Gas Fuel	Liquid Fuel	
SCR + DLN	> 877	> 10 MW	5	25	200
DLN	> 877	2 – 10 MW	25	65	200
SCR	> 877	2 – 10 MW (no DLN available)	35	65	200
DLN	> 877	< 2 MW	42	50	250
SCR or DLN	< 877	> 10 MW	25	42	200

(i) The owner or operator of any Stationary Gas Turbine subject to (C)(1)(a) shall submit to the APCO for approval, an Emission Control Plan (ECP) for the purpose of establishing compliance with provisions of this rule.

(ii) The owner or operator of any Stationary Gas Turbine subject to (C)(1) shall minimize emissions insofar as technologically feasible during Thermal Stabilization Periods.

(b) The Emission Control Plan (ECP) required pursuant to section (C)(2) shall, at a minimum, include the following information if such information is applicable:

(i) A list of all Stationary Gas Turbines required to be controlled pursuant to this rule.

(ii) For each Stationary Gas Turbine listed:

a. District identification number, and District Permit to Operate number;

b. Name of the gas turbine manufacturer;

c. Equipment model number;

d. Manufacturer's rated shaft power output (MW);

e. Type of liquid fuel and/or type of gaseous fuel;
f. HHV for each fuel;
g. Heat rate ((Btu/kW-hr), corrected to the HHV) for each type of fuel (gas or liquid) for each turbine;
h. Monthly fuel consumption for the previous twelve-month period (cubic feet for gas; gallons for liquid);
i. Monthly hours of operation in the previous twelve-month period;
j. The type of NO_X x Emission Control Equipment, including any auxiliary equipment related to the control of emissions, to be applied;
k. Documentation showing the current (existing) concentration and mass rate of emissions of oxides of nitrogen from the unit;
l. A schedule with specified increments of progress dates for construction of Emission Control Equipment, operational milestones for implementation of emissions control and/or installation of monitoring equipment; and
m. A final compliance date.

(c) The owner or operator of any Stationary Gas Turbine required to install Emissions Control Equipment for compliance with this rule shall:
(i) Install, operate, and maintain in calibration, the following monitoring equipment, as approved by the APCO:
(ii) Continuous measurement and recording of Emissions Control System Operating Parameters;
(iii) Continuous measurement and recording of elapsed time of operation; and
(iv) An Enhanced Emissions Monitoring Device.
(v) Notify the APCO, in writing, before issuance of the Permit To Operate, such information which correlates the Emission Control System Operating Parameters, and PEMS if present, to the associated measured NO_X emissions output. This information will be used to determine compliance with applicable provisions of this rule for non-CEMS-equipped turbines and CEMS-equipped units when the CEMS is not operating properly.
(vi) Provide, on an annual basis, compliance testing data and information regarding NO_X emissions. The data shall be corrected to ISO conditions and at 15 percent oxygen on a dry basis; and the percent efficiency (EFF) of each turbine unit.

(d) The owner/operator of any Stationary Gas Turbine shall:
(i) On a daily basis, maintain a turbine operating log that includes, as a minimum, the following information:
a. The total hours of operation per day;
b. The accumulated hours of operation per calendar month;
c. The type and quantity of fuel used; and
d. The nature of operation of the unit (exempt or non-exempt).

(e) The operating log required to be kept pursuant to this rule shall be kept current and on site for a minimum of two years; and provided to District or state personnel on request.

[District Rule 1159 - *Stationary Gas Turbines*]

36. The owner/operator shall comply with all applicable provisions of District Rule 1168 – *Adhesive and Sealant Applications*, including but not limited to, the VOC limits specified below:

(a) Owner/operator shall not apply Adhesives, Adhesive Primers, Sealants, Sealant Primers, or any other Primer which have a VOC content in excess of the limits specified in Table 1 of District Rule 1168, as summarized below:

Application Process	**VOC Emission Limit Less Water and Less Exempt Compounds in g/L (lb/gal)**
General Adhesive*	
Fiberglass	80 (0.7)
Flexible Vinyl	250 (2.1)
Metal	30 (0.3)
Plastic Foams	50 (0.4)
Porous Material (Except Wood)	50 (0.4)
Pre-formed Rubber Products	250 (2.1)
Reinforced Plastic Composite	200 (1.7)
Rubber	250 (2.1)
Wood	30 (0.3)
Other Substrates	250 (2.1)
Specialty Adhesive	
Building Envelope Membrane	250 (2.1)
Carpet Pad	50 (0.4)
Ceramic Tile Installation	65 (0.5)
Contact Adhesive	80 (0.7)
Contact Adhesive – Special Purpose	250 (2.1)
Cove Base Installation	50 (0.4)
Drywall and Panel	50 (0.4)
Edge Glue	250 (2.1)
Elastomeric	750 (6.3)
Floor Covering Installation (Indoor)	150 (1.3)
Floor Covering Installation (Outdoor)	250 (2.1)
Immersible Product Manufacturing	650 (5.4)
Indoor Carpet	50 (0.4)
Metal to Urethane/Rubber Molding or Casting	850 (7.1)
Motor Vehicle	250 (2.1)
Motor Vehicle Weatherstrip	750 (6.3)
Multipurpose Construction	70 (0.6)
Non-membrane Roof Installation/Repair	300 (2.5)

Other Flooring	50 (0.4)
Perimeter Bonded Sheet Vinyl	660 (5.5)
Plastic Solvent Welding	
ABS	325 (2.7)
ABS to PVC Transition	510 (4.3)
Cellulose	100 (0.8)
CPVC	490 (4.1)
PVC	510 (4.3)
Styrene-Acrylonitrile	100 (0.8)
All Other Plastic Solvent Welding	250 (2.1)
Rubber Floor	60 (0.5)
Sheet Rubber Lining Installation	850 (7.1)
Single-Ply Roof Membrane Installation/Repair	250 (2.1)
Structural Glazing	100 (0.8)
Structural Wood Member	140 (1.7)
Subfloor	50 (0.4)
Thin Metal Laminating	780 (6.5)
Tire Retread	100 (0.8)
Top and Trim	540 (4.5)
Traffic Marking Tape	150 (1.3)
VCT and Asphalt Tile	50 (0.4)
Waterproof Resorcinol Glue	170 (1.4)
Wood Flooring	100 (0.8)
Adhesive Primer	
Motor Vehicle Glass Bonding	900 (7.5)
Plastic Solvent Welding	550 (4.6)
Single-Ply Roof Membrane	250 (2.1)
Traffic Marking Tape	150 (1.3)
Other Adhesive Primer	250 (2.1)
Sealant Primers	
Architectural – Non-Porous	250 (2.1)
Architectural – Porous	775 (6.5)
Modified Bituminous	500 (4.2)
Other Sealant Primers	750 (6.3)
Sealants	
Architectural	250 (2.1)
Non-membrane Roof	300 (2.5)
Non-staining Plumbing Putty	150 (1.3)
Potable Water	100 (0.8)
Roadway	250 (2.1)
Single-Ply Roof Membrane	450 (3.8)

All Other Architectural Sealants	50 (0.4)
All Other Roof Sealants	300 (2.5)
All Other Sealant	420 (3.5)

[District Rule 1168 - *Adhesive and Sealant Applications*]

3~~7~~0. 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.
[District Rule 1211]

38. 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~~39. Owner/Operator shall comply with all applicable requirements of 40 CFR Part 68; Risk Management Program.
[40 CFR 68]

40. 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.
[District Rule 1202(B)(3)(b)(i); District Rule 1202(E)(2)(a)]

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

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[PSD SE 02-01 4/07]

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*]
[PSD SE 02-01 4/07]

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*]
   [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.]
   [PSD SE 02-01 4/07]

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)]
   [PSD SE 02-01 4/07]

   (a) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
   [40 CFR 70.6I(5)(ii); District Rule 1203(D)(1)(g)(viii)]
   [PSD SE 02-01 4/07]

   (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)]
   [PSD SE 02-01 4/07]

   (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)]
[PSD SE 02-01 4/07]

(d) On an ***annual*** basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report* to the APCO/District pursuant to District Rule 1203 on the following schedule:

Report covering June 5 – June 4	Due by July 5

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. Compliance Certification Form/Format shall be obtained from MDAQMD Compliance Section.

[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(v - x)]
[PSD SE 02-01 4/07]

5. Owner/Operator shall submit, on a semi-annual basis, a *Monitoring Report* to the Air Pollution Control Officer (APCO) / District. Each *Monitoring Report* shall be submitted each semi-annual compliance period on the following schedule:

Report covering June 5 – December 5	Due by January 5
Report covering December ~~4~~ 6 – June 4	Due by July 5

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.
[District Rule 1203(D)(1)(c)(i – iii); 1203(D)(1)(d)(i); District Rule 1203(D)(1)(e)(i-ii); District Rule 1203(D)(1)(g)(v-x)] [PSD SE 02-01 4/07]~~[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. [40 CFR 70.6(g)] [PSD SE 02-01 4/07] ~~[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)] [PSD SE 02-01 4/07]

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)] [PSD SE 02-01 4/07]

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)] [PSD SE 02-01 4/07]

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)] [PSD SE 02-01 4/07]

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)] [PSD SE 02-01 4/07]

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)] [PSD SE 02-01 4/07]

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 with the requirements of 40 CFR 61.140 through 61.157 of subpart M, Asbestos for all demolition and renovation projects. [40 CFR 61, subparts A and M] [PSD SE 02-01 4/07]~~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]. Note: Blythe Energy, Inc. Power Plant is an asbestos-free facility and will remain so.~~

8. This facility is subject to 40 CFR 60 Subparts A and GG – New Source Performance Standard General Provisions and for Stationary Gas Turbines as this facility owns and operates stationary combustion turbines with a heat input greater than 10 MMBtu/constructed after October 3, 1977.
[40 CFR 60, Subpart GG] [PSD SE 02-01 4/07]

9. This facility is subject to 40 CFR 60 Subpart Db– New Source Performance Standard for Industrial-Commercial-Institutional Steam Generating Units as the duct burners associated with the HRSGs meet the applicability criteria for steam generating units with heat input ratings greater than 100 MMBtu/constructed after June 19, 1984.
[40 CFR 60, Subpart Db] [PSD SE 02-01 4/07]

10. This facility is subject to 40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, as this facility owns and operates existing stationary RICE, installed prior to June 12, 2006 at an area source of HAP emissions. This facility complies with the emergency stationary RICE requirements of 40 CFR 63, Subpart ZZZZ Table 2d.
[40 CFR 63, Subpart ZZZZ] [PSD SE 02-01 4/07]

~~8~~11. This facility is subject to 40 CFR Parts 72 and 75 Acid Rain Program and Continuous Emissions Monitoring as the combustion turbines meet the criteria for utility units as defined in 40 CFR Part 72. The facility maintains an Acid Rain Permit which is being renewed as part of this permitting action. Because the facility is subject to Part 72, it is also subject to the monitoring requirements under Part 75. Each unit has been equipped with NOx and diluent oxygen monitors and 40 CFR 75 Appendix D fuel flow metering.

12. Owner/Operator shall comply with all applicable requirements of 40 CFR 98, the Mandatory Greenhouse Gas Reporting rule. [40 CFR 98]

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

EQUIPMENT DESCRIPTIONS:

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS RESULT FROM 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:

A. PERMIT B007953 COMBUSTION TURBINE GENERATOR POWER BLOCK (CT1) consisting of: Natural gas fueled Siemens F Class Model V84.3A(2) Serial No. 800436 combustion turbine generator power block producing approximately 260 MW(e) with a connected heat recovery steam generator and a steam condensing turbine (shared with B007954), maximum turbine heat input of 1776 MMBtu/hr.

B. PERMIT B007954 COMBUSTION TURBINE GENERATOR POWER BLOCK (CT2) consisting of: Natural gas fueled Siemens F Class Model V84.3A(2) Serial No. 800437 combustion turbine generator power block producing approximately 260 MW(e) with a connected heat recovery steam generator and a steam condensing turbine (shared with B007953), maximum turbine heat input of 1776 MMBtu/hr.

PERMIT CONDITIONS:

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.
[District Rule 1302(C)(2)(a)]
[PSD SE 03-01 4/04]

2. This equipment shall be exclusively fueled with pipeline quality natural gas with a sulfur content not exceeding 0.5 grains per 100 dscf on a twenty-four hour basis and not exceeding 0.25 grains per 100 dscf on a rolling 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.
[District Rules 431 and 1303]
[40 CFR 60.334(h)]
[PSD SE 03-01 4/04]

3. This equipment is subject to ~~the federal NSPS codified at~~ 40 CFR Part 60, Subparts A

(General Provisions) ~~-~~and GG (Standards of Performance for Stationary Gas Turbines~~).~~ ~~This equipment is also subject to the Prevention of Significant Deterioration (40 CFR 51.166) and~~). This equipment is also subject to the Prevention of Significant Deterioration (40 CFR 51.166) and Federal Acid Rain (Title IV) programs. Compliance with all applicable provisions of these regulations is required. ~~Federal Acid Rain (Title IV) programs. Compliance with all applicable provisions of these regulations is required.~~
[40 CFR 60 Subparts A and GG]
[[PSD SE 03-01 4/04]
[40 CFR 72-78]

4. Emissions from this equipment (including its associated duct burner) shall not exceed the following emission limits at any firing rate, except for CO, NOx, and VOC during periods of startup, shutdown and malfunction:
   ~~a.~~(a) Hourly rate, computed every 15 minutes, verified by CEMS and annual compliance tests:
      i. NOx as NO2 – the most stringent of 19.80 lb/hr or 2.5 ppmvd corrected to 15% oxygen and averaged over one hour [PSD SE 03-01 4/04]
      ii. NOx as NO2 – effective May 7, 2016, 2.0 ppmvd corrected to 15% oxygen and averaged over a rolling 12 month period.
      iii. CO – the most stringent of 17.5 lb/hr or 4.0 ppmvd corrected to 15% oxygen and averaged over three hours [PSD SE 03-01 4/04]
      iv. CO – 10 lb/hr averaged over a rolling 12-month period
   ~~b~~(b)~~.~~ Hourly rates, verified by annual compliance tests or other compliance methods in the case of SOx:
      i. VOC as CH4 - 2.9 lb/hr (based on 1 ppmvd corrected to 15% oxygen)
      ii. SOx as SO2 - 2.7 lb/hr (based on 0.5 grains/100 dscf fuel sulfur)
      iii. PM10 - 6.2 lb/hr [PSD SE 03-01 4/04]

   [District Rule 1303(A)]
   [40 CFR 60.332(a)]
   [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]

5. Emissions of CO and NOx from this equipment shall only exceed the limits contained in Condition 4 during startup and shutdown periods as follows:
   ~~a.~~(a) Startup is defined as the period beginning with ignition and lasting until either the equipment complies with all Condition 4 operating permit limits for two consecutive 15-minute averaging periods or four hours after ignition, whichever occurs first. Shutdown is defined as the period beginning with the lowering of equipment from base load and lasting until fuel flow is completely off and combustion has ceased. [PSD SE 03-01 4/04]
   ~~b.~~(b) The emissions from each startup or shutdown event shall not exceed the following, verified by CEMS:
      i. NOx - 376 lb [PSD SE 03-01 4/04]
      ii. CO - 3600 lb [PSD SE 03-01 4/04]
   ~~c.~~(c) Effective May 7, 2016, the CO emissions from all startup and shutdown events at both power blocks, averaged over a rolling 12-month period, shall not exceed 750 lb/event, verified by CEMS.

~~d.~~(d) The facility shall maintain records of each startup and shutdown event which shall include calculated emissions during each event based on CEMS data. Startup/shutdown records shall be retained for five (5) years following the date of each event. [PSD SE 03-01 4/04]
[District Rule 1303(A)]
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]

6. Aggregate emissions from B007953 and B007954, including the associated duct burners, shall not exceed the following emission limits, based on a calendar day summary:
   ~~a.~~(a) NOx - 5762 lb/day, verified by CEMS
   ~~b.~~(b) CO - 8004 lb/day, verified by CEMS [PSD SE 03-01 4/04]
   ~~c.~~(c) VOC as CH4 - 239 lb/day, verified by compliance tests and hours of operation in steady-state, pre-mix mode.
   ~~d.~~(d) SOx as SO2 - 130 lb/day, verified by fuel sulfur content and fuel use data
   ~~e.~~(e) PM10 - 298.5 lb/day, verified by compliance tests and hours of operation
   [District Rule 1303(A)]

7. Emissions from all Blythe Energy Project I permit units at this facility (as listed in Part I.A.1 of this Permit), including the cooling towers, shall not exceed the following emission limits, based on a rolling 12 month summary:
   ~~a.~~(a) NOx - 97 tons/year, verified by CEMS
   ~~b.~~(b) CO - 175 tons/year, verified by CEMS
   ~~c.~~(c) VOC as CH4 - 24 tons/year, verified by compliance tests and hours of operation in steady-state, pre-mix mode
   ~~d.~~(d) SOx as SO2 - 12 tons/year, verified by fuel sulfur content and fuel use data
   ~~e.~~(e) PM10 - 56.9 tons/year, verified by compliance tests and hours of operation
   These limits shall apply to all emissions from all Blythe Energy Project permit units at this facility (as listed in Part I.A.1, of the Federal Operating Permit), and shall include emissions during all modes of operation, including startup, shutdown and malfunction.
   [District Rule 1303(B)]
   [40 CFR 60.334(h)]

8. Particulate emissions from this equipment shall not exceed opacity equal to or greater than twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor.
   [District Rule 401]

9. This equipment shall exhaust through a stack at a minimum height of 130 feet.
   [District Rule 1302(C)(2)(a)]

10. ***For Permit B007953 only:*** The owner/operator (o/o) shall not operate this equipment after the initial commissioning period without the selective catalytic NOx reduction system with valid District permit C007959, as well as the oxidation catalyst with valid District permit C010832 installed and fully functional.
    [District Rule 1303(A)]

[PSD SE 03-01 4/04]

10. ***For Permit B007954 only:*** The owner/operator (o/o) shall not operate this equipment after the initial commissioning period without the selective catalytic NOx reduction system with valid District permit C007960 as well as the oxidation catalyst with valid District permit C010833 installed and fully functional.
[District Rule 1303(A)]
[PSD SE 03-01 4/04]

11. The o/o shall provide stack sampling ports and platforms necessary to perform source tests required to verify compliance with District rules, regulations and permit conditions. The location of these ports and platforms shall be subject to District approval.
[District Compliance Test Procedural Manual; District Rules 217 and 1303]
[PSD SE 03-01 4/04]

12. Emissions of NOx, CO, oxygen and ammonia slip shall be monitored using a Continuous Emissions Monitoring System (CEMS).). Natural gas heat input rates, derived from fuel flow meters and heat content (Btu/scf), are monitored in accordance with 40 CFR 75 Appendix D. Each CEMS shall be operational whenever the associated combustion turbine generator is in operation, including during periods of startup, shutdown and malfunction. ~~Turbine fuel consumption shall be monitored using a continuous monitoring system. Stack gas flow rate shall be monitored using either a Continuous Emission Rate Monitoring System (CERMS) meeting the requirements of 40 CFR Part 75 Appendix A or a stack flow rate calculation method.~~ The o/o shall install, calibrate, maintain, and operate these monitoring systems according to a District-approved monitoring plan and MDAQMD Rule 218, and they shall be installed prior to initial equipment startup. Six (6) months prior to installation the operator shall submit a monitoring plan for District review and approval.
[District Rule 1303]
[40 CFR 60.334]
[PSD SE 03-01 4/04]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

13.
The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.
~~The o/o shall conduct all required compliance/certification tests in accordance with a District-approved test plan. Thirty (30) days prior to the compliance/certification tests the o/o shall provide a written test plan for District review and approval. Written notice of the compliance/certification 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/certification tests shall be submitted to the District within forty-five (45) days after testing.~~
[District Compliance Test Procedural Manual; District Rule 1303]
[PSD SE 03-01 4/04]

14. The o/o shall perform the following ~~annual~~ compliance tests at least every twelve (12) months ~~in accordance with the MDAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District no later than six weeks prior to the expiration date of this permit. The following compliance tests are required~~:

~~a.~~(a) NOx as NO2 in ppmvd at 15% oxygen and lb/hr (measured per USEPA Reference Methods 19, 20, or 7E). If testing is performed at 90%-100% of rated capacity, then the annual ~~calibration~~ RATA associated with the NOx CEMS in use on these units may be used in lieu of the required annual EPA Reference Method 20, as long as all of the requirements of prior test notification, proper test result submittal, etc., are followed.

~~b.~~(b) VOC as CH4 in ppmvd at 15% oxygen and lb/hr (measured per USEPA Reference Methods 25A and 18).

~~c.~~(c) SOx as SO2 in ppmvd at 15% oxygen and lb/hr.

~~d.~~(d) CO in ppmvd at 15% oxygen and lb/hr (measured per USEPA Reference Method 10).

~~e.~~(e) PM10 in mg/m3 at 15% oxygen and lb/hr (measured per USEPA Reference Methods 5 and 202 or CARB Method 5)

~~f.~~(f) Flue gas flow rate in dscfm.

~~g.~~(g) Opacity (measured per USEPA Reference Method 9).

~~h.~~(h) Ammonia slip in ppmvd at 15% oxygen.

[District Rule 1303]
[40 CFR 60.335]
[PSD SE 03-01 4/04]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

15. VOC emissions during startup and shutdown periods will be calculated by the CEMS using the following emissions factors:

For Permit B007953 CTG1 ***only:***

~~a.~~(a) startup events: 0.0048 lb/mmBtu

~~b.~~(b) shutdown events: 0.0220 lb/mmBtu

For Permit B007954 CTG2 ***only:***

~~a.~~(a) startup events: 0.0056 lb/mmBtu

~~b.~~(b) shutdown events: 0.0107 lb/mmBtu

[District Rule 1303]

16. Continuous monitoring systems shall ~~meet the following acceptability testing requirements from 40 CFR 60 Appendix B~~be installed, calibrated, certified, maintained and operated in accordance with the following:

~~a.~~(a) For NOx~~, Performance Specification 2~~ and oxygen, 40 CFR 75 appendices A and

B.

~~b.~~(b) ~~For oxygen, Performance Specification 3.~~

~~c.~~ For CO, 40 CFR 60 Appendix B Performance Specification 4 and 40 CFR 60 Appendix F except that:

i. The CGA frequency will follow 40 CFR 75 Appendix B Sections 2.2.1 and 2.2.4. Specifically, a CGA will be required at least once during each QA operating quarter, not to exceed four calendar quarters, plus a 168-unit operating hour grace period will apply following the expiration of a required CGA. CGAs will be conducted no less than 30 days apart, to the extent practicable.

ii. Analyzer ranges less than or equal to 30 ppm (i.e. CO low range) will be exempt from CGA requirements.

iii. All RATA testing shall be conducted at least once every four QA operating quarters but no less frequently than once every eight calendar quarters as provided in 40 CFR 75 App. B, §2.3.1.1. If RATA testing is not completed within this timeframe, a 720 unit operating hour grace period may be used, as provided in 40 CFR 75 App. B, §2.3.3.b. All RATA testing shall be conducted at the normal load level(s) as determined in accordance with 40 CFR 75 Appendix A Section 2.3.1.3(a).~~Performance Specification 4.~~

d. ~~For stack gas flow rate, Performance Specification 6 (if CERMS is installed).~~

~~e.~~ For ammonia, a District approved procedure that is to be submitted by the o/o.

[District Rule 1303]
[40 CFR 60.334]
[PSD SE 03-01 4/04]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

17. The o/o shall submit to the Air Pollution Control Officer (APCO) and USEPA Region IX the following information for the preceding calendar quarter by January 30, April 30, July 30 and October 30 of each year this permit is in effect. Each January 30 submittal shall include a summary of the reported information for the previous year. This information shall be maintained on site for a minimum of five (5) years and shall be provided to District personnel on request:
    a. Operating parameters of emission control equipment, including but not limited to ammonia injection rate, NOx emission rate and ammonia slip.
    b. Total plant operation time (hours), number of startups, hours in startup, and hours in shutdown period.
    c. Date and time of the beginning and end of each startup and shutdown period.
    d. Average plant operation schedule (hours per day, days per week, weeks per year).
    e. All continuous emissions data reduced and reported in accordance with the District-approved CEMS protocol.
    f. Maximum hourly, maximum daily, total quarterly, and total calendar year emissions of NOx, CO, PM10, VOC and SOx (including calculation protocol).
    g. Total monthly and rolling 12-month emissions of NOx, CO and PM10 from all permit units.
    h. Total monthly and rolling 12-month fuel use in the gas turbines and duct burners.

i. Average NOx concentration and average CO mass emission rate, for all operating periods except during startup, shutdown and malfunction, for each gas turbine and associated duct burner, calculated on a rolling 12-month basis.

j. Average CO emissions from all startups and shutdowns of the gas turbines, on a per event basis, calculated on a rolling 12-month basis.

k. Fuel sulfur content (monthly laboratory analyses, monthly natural gas sulfur content reports from the natural gas supplier(s), or the results of a custom fuel monitoring schedule approved by USEPA for compliance with the fuel monitoring provisions of 40 CFR 60 Subpart GG).

l. A log of all excess emissions, including the information regarding malfunctions/breakdowns required by Rule 430.

m. Any permanent changes made in the plant process or production, which would affect air pollutant emissions, and indicate when changes were made.

n. Any maintenance to any air pollutant control system (recorded on an as-performed basis).

[District Rules 430, 431, 1303]
[40 CFR 60.334]
[PSD SE 03-01 4/04]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

18. Effective May 7, 2016, total fuel use in the two gas turbines and two duct burners (Permit #B007953 COMBUSTION TURBINE GENERATOR POWER BLOCK (CT1), Permit #B007954 COMBUSTION TURBINE GENERATOR POWER BLOCK (CT2), Permit #B007955 DUCT BURNER UNIT 1 and Permit #B007956 DUCT BURNER UNIT 2) shall not exceed 31,852,800 MMBtu in any rolling 12-month period.
[District Rule 1303 - Offsets]

19. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]
[PSD SE 03-01 4/04]

C. **PERMIT B007955 DUCT BURNER UNIT 1:** Natural gas burner located within the heat recovery steam generator covered by B007953, maximum heat input of 120 MMBtu/hr. Manufacturer is Forney, model # 1002-WPS-C1 and serial #17130.

PERMIT CONDITIONS:

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.
[District Rule 1302(C)(2)(a)]

2. This equipment shall be exclusively fueled with pipeline quality natural gas natural gas and shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
[40 CFR 60.49b]

3. This duct burner shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart Db - Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (NSPS Db) including but not limited to recordkeeping and reporting requirements.
[40 CFR 60.49b]

4. This duct burner shall not be operated unless the combustion turbine generator with valid District permit B007953, selective catalytic reduction system with valid District permit C007959, and oxidation catalyst C010832 are in operation.
[District Rule 1303]

45. Fuel use by this equipment shall be recorded and maintained on site for a maintained on site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

6. Records of fuel supplier certifications of fuel sulfur content shall be maintained to demonstrate compliance with the sulfur dioxide standard; PUC regulated pipeline quality natural gas meets this requirement.
[40 CFR 60 60.42b(k)(2) and 60.49b(r)(1)]

7. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]
[PSD SE 03-01 4/04]

D. **PERMIT B007956 DUCT BURNER UNIT 2:** Natural gas burner located within the heat recovery steam generator covered by B007954, maximum heat input of 120 MMBtu/hr. Manufacturer Forney, model # 1002-WPS-C1 and serial #17202.

PERMIT CONDITIONS:

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.
[District Rule 1302(C)(2)(a)]

2. This equipment shall be exclusively fueled with pipeline quality natural gas and shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
[40 CFR 60.49b]

3. This duct burner shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart Db - Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (NSPS Db) including but not limited to recordkeeping and reporting requirements.
[40 CFR 60.49b]

4. This duct burner shall not be operated unless the combustion turbine generator with valid District permit B007954, selective catalytic reduction system with valid District permit C007960, and oxidation catalyst C010833 are in operation.
[District Rule 1303]

5. Fuel use by this equipment shall be recorded and maintained on site for a maintained on site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

6. Records of fuel supplier certifications of fuel sulfur content shall be maintained to demonstrate compliance with the sulfur dioxide standard; PUC regulated pipeline quality natural gas meets this requirement.
[40 CFR 60 60.42b(k)(2) and 60.49b(r)(1)]

7. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]
[PSD SE 03-01 4/04]

~~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.~~

~~2. This equipment shall be exclusively fueled with natural gas and shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.~~

~~3. This duct burner shall not be operated unless the combustion turbine generator with valid District permit B007954, selective catalytic reduction system with valid District permit C007960, and oxidation catalyst C010833 are in operation.~~

~~4. Fuel use by this equipment shall be recorded and maintained on site for a minimum of~~

~~five (5) years and shall be provided to District, State or Federal personnel on request.~~

E. **PERMIT C007959 SCR UNIT 1** consisting of: Selective Catalytic Reduction system with a catalyst located within the power train covered by B007953 and an ammonia injection system. Manufacturer is Haldor Topsoe; model HO5.331cpsi.

PERMIT CONDITIONS:

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.
[District Rule 1302(B)(1)(a)]
[PSD SE 03-01 4/04]

2. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
[District Rule 1302(B)(1)(a)]
[PSD SE 03-01 4/04]

3. This equipment shall be operated concurrently with the combustion turbine generator with valid MDAQMD permit B007953.
[District Rules 1302(B)(1)(a) and 1303]
[PSD SE 03-01 4/04]

4. Ammonia shall be injected whenever the selective catalytic reduction system has reached or exceeded 550 deg Fahrenheit. Except during periods of startup and shutdown, ammonia slip shall not exceed 10 ppmvd (corrected to 15% oxygen), averaged over three hours.
[District Rules 1302(B)(1)(a) and 1303]
[PSD SE 03-01 4/04]

5. Ammonia injection by this equipment in pounds per hour shall be recorded and maintained on site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
[PSD SE 03-01 4/04]

F. **PERMIT C007960 SCR UNIT 2** consisting of: SELECTIVE CATALYTIC REDUCTION system with a catalyst located within the power train covered by B007954 and an ammonia injection system. Manufacturer is Haldor Topsoe; model HO5.331cpsi

PERMIT CONDITIONS:

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.
[District Rule 1302(B)(1)(a)]
[PSD SE 03-01 4/04]

2. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
[District Rule 1302(B)(1)(a)]
[PSD SE 03-01 4/04]

3. This equipment shall be operated concurrently with the combustion turbine generator with valid MDAQMD permit B007954.
[District Rules 1302(B)(1)(a) and 1303]
[PSD SE 03-01 4/04]

4. Ammonia shall be injected whenever the selective catalytic reduction system has reached or exceeded 550 deg Fahrenheit. Except during periods of startup and shutdown, ammonia slip shall not exceed 10 ppmvd (corrected to 15% oxygen), averaged over three hours.
[District Rules 1302(B)(1)(a) and 1303]
[PSD SE 03-01 4/04]

5. Ammonia injection by this equipment in pounds per hour shall be recorded and maintained on site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
[PSD SE 03-01 4/04]

G. **PERMIT C010832 OXIDATION CATALYST, UNIT 1** consisting of:
Oxidation Catalyst System with a catalyst located within the power train covered by B007953. Johnson Matthey, Honeycat, serial number 200cpsi.

PERMIT CONDITIONS:

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.
[District Rules 1302(B)(1)(a) and 1303]
[PSD SE 03-01 4/04]

2. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
[District Rules 1302(B)(1)(a) and 1303]
[PSD SE 03-01 4/04]

3. This equipment shall be operated concurrently with the combustion turbine generator with valid District permit B007953.
[District Rules 1302(B)(1)(a) and 1303]
[PSD SE 03-01 4/04]

H. **PERMIT C010833 OXIDATION CATALYST, UNIT 2** consisting of: Oxidation Catalyst System with a catalyst located within the power train covered by B007954. Johnson Matthey, Honeycat, serial number 200cpsi.

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.
[District Rules 1302(B)(1)(a) and 1303]
[PSD SE 03-01 4/04]

2. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
[District Rules 1302(B)(1)(a) and 1303]
[PSD SE 03-01 4/04]

~~(ii)~~3. This equipment shall be operated concurrently with the combustion turbine generator with valid District permit B007954.
[District Rules 1302(B)(1)(a) and 1303]
[PSD SE 03-01 4/04]

I. **PERMIT B007957 (Main Cooling Tower)** consisting of: A Marathon Model 9B 445TTFN4573AA wet cooling tower with water circulation, treatment and handling equipment and air circulation equipment, including the following:

Capacity	Equipment Name	Order
250.00	Cooling Cell Fan #8, Motor Serial No. MU402450-2/22-02	1
250.00	Cooling Cell Fan #7, Motor Serial No. MU402450-2/22-01	2
250.00	Cooling Cell Fan #6, Motor Serial No. MU402450-2/22-05	3
250.00	Cooling Cell Fan #5, Motor Serial No. MU402450-2/22-03	4
250.00	Cooling Cell Fan #4, Motor Serial No. MU402450-2/22-06	5
250.00	Cooling Cell Fan #3, Motor Serial No. MU402450-2/22-07	6

Capacity	Equipment Name	Order
250.00	Cooling Cell Fan #2, Motor Serial No. MU402450-2/22-04	7
250.00	Cooling Cell Fan #1, Motor Serial No. MU402450-2/22-08	8
1000.00	Circulating Water Pump #12, Johnson Serial No. 01JB1129B	9
1000.00	Circulating Water Pump #11, Johnson Serial No. 01JB1129A	10

PERMIT CONDITIONS:

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.
[District Rules 1302(B)(1)(a) and 1303]

2. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
[District Rule 1302(B)(1)(a)]

3. The drift rate shall not exceed 0.0006 percent with a maximum circulation rate of 146,000 gallons per minute for the Main Cooling Tower. The maximum hourly PM10 emission rate shall not exceed 0.546 pounds per hour from both the Main and the Chiller Cooling Towers, as calculated per the written District-approved protocol.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]
[PSD SE 03-01 4/04]

4. Whenever the power plant is in operation, the operator shall perform tests of the blow-down water quality once in every seven day period at a minimum; to clarify, if at any time during that same seven day period the power plant has run, then the owner operator shall perform blow-down water quality tests. The operator shall maintain a log, which contains the date and result of each blow-down water quality test, and the resulting mass emission rate. This log shall be maintained on site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

5. The operator shall conduct all required cooling tower water quality tests in accordance with a District-approved test and emissions calculation protocol.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

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 shall be

submitted to the District for approval at least thirty (30) days prior to construction and shall be kept on-site and available to District personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

J. **PERMIT B007958 (Chiller Cooling Tower)** consisting of: A Water circulation, treatment and handling equipment and air circulation equipment, including units as follows:

Capacity	Equipment Name	Order
250.00	Cooling Cell Fan #12, BAC Model CXVT-844-1426-50 Serial No. U212092202-01-01~~BAC Model CXV-T08 Serial No. U025323712~~	1
250.00	Cooling Cell Fan #11, BAC Model CXVT-844-1426-50 Serial No. U212092201-04-01~~BAC Model CXV-T08 Serial No. U025323711~~	2
250.00	Cooling Cell Fan #10, BAC Model CXVT-844-1426-50 Serial No. U212092201-03-01~~BAC Model CXV-T08 Serial No. U025323710~~	3
250.00	Cooling Cell Fan #9, BAC Model CXVT-844-1426-50 Serial No. U212092201-02-01~~BAC Model CXV-T08 Serial No. U025323709~~	4
250.00	Cooling Cell Fan #8, BAC Model CXVT-844-1426-50 Serial No. U212092201-01-01~~BAC Model CXV-T08 Serial No. U025323708~~	5
250.00	Cooling Cell Fan #7, BAC Model CXVT-844-1426-50 Serial No. U210179001-05~~BAC Model CXV-T08 Serial No. U025323707~~	6
250.00	Cooling Cell Fan #6, BAC Model CXVT-844-1426-50 Serial No. U210179001-04~~BAC Model CXV-T08 Serial No. U025323706~~	7
250.00	Cooling Cell Fan #5, BAC Model CXVT-844-1426-50 Serial No. U210179001-03~~BAC Model CXV-T08 Serial No. U025323705~~	8
250.00	Cooling Cell Fan #4, BAC Model CXVT-844-1426-50 Serial No. U210179001-02~~BAC Model CXV-T08 Serial No. U025323704~~	9
250.00	Cooling Cell Fan #3, BAC Model CXVT-844-1426-50 Serial No. U210179001-01~~BAC Model CXV-T08 Serial No. U025323703~~	10
250.00	Cooling Cell Fan #1, BAC Model CXVT-1688-2826-100 Serial No. U202332803-01-01~~BAC Model CXV-T08 Serial No. U025323701~~	11
250.00	Cooling Cell Fan #2, BAC Model CXVT-1688-2826-100	12

Capacity	Equipment Name	Order
	Serial No. U202332803-01-02~~BAC Model CXV-T08 Serial No. U025323702~~	
750.00	Chiller Recirulating Pump #~~4~~1, Cascade Serial No. 16061	13
750.00	Chiller Recirulating Pump #~~3~~2, Cascade Serial No. 16060	14
750.00	Chiller Recirulating Pump #~~2~~3, Cascade Serial No. 16059	15
750.00	Chiller Recirulating Pump #~~1~~4, Cascade Serial No. 16058	16

PERMIT CONDITIONS:

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.
[District Rules 1302(B)(1)(a) and 1303]

2. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
[District Rule 1302(B)(1)(a)]

3. The drift rate shall not exceed 0.0006 percent with a maximum circulation rate of 22,000 gallons per minute for the Chiller Cooling Tower. The maximum hourly PM10 emission rate shall not exceed 0.546 pounds per hour from both the Main and the Chiller Cooling Towers, as calculated per the written District-approved protocol.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

4. Whenever the power plant is in operation, the operator shall perform weekly tests of the blow-down water quality. The operator shall maintain a log, which contains the date and result of each blow-down water quality test, and the resulting mass emission rate. This log shall be maintained on site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

5. The operator shall conduct all required cooling tower water quality tests in accordance with a District-approved test and emissions calculation protocol. Thirty (30) days prior to the first such test the operator shall provide a written test and emissions calculation protocol for District review and approval.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

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 shall be submitted to the District for approval at least thirty (30) days prior to construction and shall be kept on-site and available to District personnel on request.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

K. **PERMIT E007961 NON-CERTIFIED DIESEL IC ENGINE, EMERGENCY FIRE PUMP** consisting of: Year of Manufacture 2002; USEPA Family Name NA; CARB Executive Order NA; Tier 0, One John Deere, Diesel fired internal combustion engine, Model No. 6081HF001 and Serial No. RG6081H145432, Direct Injected, Turbo Charged, producing 303 bhp with 6 cylinders at 2200 rpm while consuming a maximum of 14 gal/hr. This equipment powers a Pump.

PERMIT CONDITIONS:

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.
[District Rule 204]
[40 CFR Part 63, 63.6605(b), 63.6640(a)]

~~[40 CFR Part 63, Subpart ZZZZ]~~

2. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.
[17 CCR 93115.5(a)]
[40 CFR 63.6604(b)]~~[Title 17 CCR 93115]~~

3. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[Title 17 CCR 93115]
[40 CFR 63.6625(f)]~~[Title 17 CCR 93115; 40 CFR §63.6625(f)]~~

4. 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. Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations 40 CFR 63.6640(f)(4). In addition, pursuant to 17 CCR 93115.6(b) this unit shall be operated no more than 20 hours per year for testing and maintenance. The 20 hours of testing and maintenance hours are counted as part of the 50 hours of operation in non-emergency situations provided in 40 CFR 63.6640(f)(4). Except as provided in 40 CFR 63.6640 (f)(4)(ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
[17 CCR 93115.6(b)]
[40 CFR 63.6640(f)(4)]~~This unit shall be limited to use for emergency power, defined as in response to a fire or due to low fire water pressure. In addition, this unit shall be~~

~~operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit.~~
~~[Title 17 CCR 93115.6]~~

5. The hour limits of Condition 4 can be exceeded when the emergency fire pump assembly is driven directly by a stationary diesel fueled CI engine when operated per and in accord with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 1998 edition.
[Title 17 CCR 93115(c)16]
[40 CFR 63.6640(f)(2)(i)]~~The requirements of section 93115.6, the hour limits indicated above, do not apply to in-use emergency fire pump assemblies that are driven directly by stationary diesel-fueled CI engines and only operated the number of hours necessary to comply with the testing requirements of National Fire Protection Association (NFPA) 25 "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 2002 edition, which is incorporated herein by reference.~~
~~[Title 17 CCR 93115.3]~~

6. 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 hours of operation with documentation of how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation, including what classified the operation as non-emergency; and,
(b) Monthly and calendar year operation in terms of total hours, both emergency and non-emergency use, classified as described in 'a.' above; and,
(c) Monthly fuel use; and,
(d) Documentation of certified fuel use, as required by condition 3 (may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
(e) Maintenance performed on this equipment, inclusive of the management practice requirements of condition 7 below.
[17 CCR 93115.10(f)]
[40 CFR 63.6655(f)]

~~The owner/operator (o/o) shall maintain an operations log for this unit current and on-site, either at the engine location or at an on-site location, for a minimum of five (5) years, and 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), using the engines hour meter;~~
~~b. Reason for use (testing & maintenance, emergency, required emission testing);~~
~~c. Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours;~~
~~d. Monthly and rolling 12-month total CO, NOx and PM_{10} emissions, calculated based on monthly fuel use and District-approved emission factors;~~
~~e. 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 §63.6655(f); 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 owner/operator shall conduct inspections in accord with the following schedule. All inspections must occur at least annually regardless of operating hours.
   a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(i);
   b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and
   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   [40 CFR Part 63.6630(a); Table 2d.4.; Subpart ZZZZ]

8. If this emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements required by condition 7, or shutting down the engine would pose an unacceptable risk, the management practice can be delayed until the emergency is over, or the risk has been abated. The management practice should be performed as soon as practicable after the emergency/risk has ended. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.
   [40 CFR 63.6603(a)]

9. The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
   [40 CFR 63.6625(h)].

10. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
    [District Rule 204]

~~9~~11. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines Title 17 CCR 93115 and 40 CFR 63 Subpart ZZZZ (RICE NESHAPs). In the event of conflict between conditions and the referenced regulatory citations, the more stringent requirements shall govern.
    [Title 17 CCR 93115; 40 CFR 63, Subpart ZZZZ]

12. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
    [District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]

L. PERMIT E009492 PROPANE IC ENGINE, EMERGENCY GENERATOR (CHILLER BLDG) consisting of: One Ford, Propane fired internal combustion engine, Model No. WSG106816005E-NA and Serial No. 01-11- 012316, Direct Injected, Inter Cooled, producing 114 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 12 gal/hr. This equipment powers a Generator.

PERMIT CONDITIONS:

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.
[[District Rule 204]
[40 CFR Part 63, 63.6605(b), 63.6640(a)]
~~40 CFR Part 63, Subpart ZZZZ]~~

2. This ICE shall only be fired on propane (LPG).
[District Rule 1302]

3. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR §63.6625(f)]

4. 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. Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations 40 CFR 63.6640(f)(4). In addition, pursuant to 17 CCR 93115.6(b) this unit shall be operated no more than 100 hours per year for testing and maintenance. The 100 hours of testing and maintenance hours are counted as part of the 50 hours of operation in non-emergency situations provided in 40 CFR 63.6640(f)(4). Except as provided in 40 CFR 63.6640 (f)(4)(ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
[40 CFR 63.6640(f)(4)]~~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 100 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 100 hour per year limit.~~
~~[40 CFR Part 63, Subpart ZZZZ]~~

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 hours of operation with documentation of how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation, including what classified the operation as non-emergency; and,
(b) Monthly and calendar year operation in terms of total hours, both emergency and non-emergency use, classified as described in 'a.' above; and,
(c) Monthly fuel use; and,
(d) Documentation of certified fuel use, as required by condition 2 (may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
(e) Maintenance performed on this equipment, inclusive of the management practice requirements of condition 6 below.

[40 CFR 63.6655(f)]

~~The o/o shall maintain an 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. Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours;~~
~~d. Monthly and rolling 12-month total CO, NOx and PM_{10} emissions, calculated based on monthly fuel use and District-approved emission factors.~~

~~[40 CFR §63.6655(f)]~~

6. The owner/operator shall conduct inspections in accord with the following schedule. All inspections must occur at least annually regardless of operating hours.
   a. Change oil and filter every 500 hours of operation or annually, whichever comes first; or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(i);
   b. Inspect spark plugs 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.

   [40 CFR Part 63.6640; Table 2d.5, Subpart ZZZZ]

7. The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
   [40 CFR 63.6625(h)]

8. This unit is subject to the requirements of 40 CFR 63 Subpart ZZZZ (RICE NESHAPs). In the event of conflict between conditions and the referenced regulatory citation, the more stringent requirements shall govern.
   [40 CFR 63, Subpart ZZZZ]

12. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District,

upon District request.
[District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]

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]

23. Owner/operator desiring to renew this Federal Operating Permit shall submit an application for renewal at least six (6) months, but no earlier than eighteen (18) months, prior to the expiration date of this Federal Operating Permit.
[40 CFR 70, Rule 1202(B)(3)(b)]

PART V
OPERATIONAL FLEXIBILITY

A. ***ALTERNATIVE OPERATING SCENARIO(S):***

B. ***OFF PERMIT CHANGES:***

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

A. Permitee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 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, permitee shall implement the change as follows:

1. Permitee 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. Permitee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See 1203(E)(1)(c)(i)a]*

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

and g]

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

D. Permitee 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
Title IV Acid Rain Permit

Effective Dates: ~~December 5, 2016~~November 1, 2023-November 1, 2028~~ to December 5, 2021~~

Issued to: BLYTHE ENERGY, INC.

Plant Site Location: 385 N. Buck Blvd.
Blythe, CA 92225

Type of Facility: Combined Cycle Generation Facility

SIC Code: 4911 – Electric Power Generation

ORIS Code: 55295

DESIGNATED REPRESENTATIVE

Name: ~~Jason Allen~~Mike Ludwin

Title: Senior ~~Vice President~~Director Operations - Power ~~of Operations - Power~~

FACILITY CONTACT PERSONS

Name: David Gutierrez~~Bill Cotton~~

Title: Manager - Operations ~~Plant General Manager~~

Name: Mike Ludwin~~Ramon Campos~~

Title: Senior Director Operations - Power ~~Compliance Manager~~

ACID RAIN PERMIT CONTENTS

~~(i)~~1) PERMIT APPLICATION - see page VI-46

The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application submitted for this source.

~~(ii)~~2) Applicable Requirements

a. SO2 allowance allocated under this permit and NOx requirements for each affected unit:

	12/5/16-12/5/21
SO2 allowances under Table 2 of 40 CFR Part 73	None
NOx limit, 40 CFR Part 76	none

b. Standard Requirements

Citation	Requirement
40 CFR 72 Rule 1210	Owner/Operator of Blythe Energy Project shall comply with all applicable provisions of 40 CFR 72, Permits Regulation (Title IV) and their Title IV permit application as indicated in this combined, Federal Operating Permit / Title IV Acid Rain Permit, Part VIII.
40 CFR 72 Rule 1210	Owner / Operator shall comply with *all listed compliance conditions contained within this Title IV Acid Rain Permit and associated Title V Permit.*
40 CFR 70.6(a)(1)(ii)	Where an applicable requirement of the Act is more stringent than an applicable requirement of Title IV regulations, both provisions shall be incorporated into the permit and is enforceable by the Administrator.
Monitoring, 40 CFR Part 72, Section 72.9(b)	1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in part 75 of this chapter. (2) The emissions measurements recorded and reported in accordance with part 75 of this chapter shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program. (3) The requirements of part 75 of this chapter shall not affect the responsibility of the owners and operators to monitor emissions of other

	pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.
Reporting, 40 CFR Part 72, Section 72.9(f)(2)	The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under subpart I of this part and part 75 of this chapter.
Recordkeeping, 40 CFR Part 72, Section 72.9(f)(1)	(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority. (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with §72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative. (ii) All emissions monitoring information, in accordance with part 75 of this chapter; provided that to the extent that part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply. (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.

	(iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
Section 113(a) of the Clean Air Act	Notwithstanding the testing requirements contained elsewhere in this combined Title IV / 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.

~~(iii)~~3) Statement of Basis

The Mojave Desert Air Quality Management District issues this permit pursuant to Regulation XII, Rule 1210 and Titles IV and V of the Clean Air Act. Questions or comments regarding this permit should be addressed to:

Brad Poiriez, Executive Director
Mojave Desert Air Quality Management District
14306 Park Avenue
Victorville, CA 92392
760-245-1661
760-245-2022 (fax)

This Acid Rain Permit applies to the following units:

MDAQMD PERMIT NUMBER	DESCRIPTION	BASIS
B007953 B007956	COMBUSTION TURBINE GENERATOR POWER BLOCK (CT1) DUCT BURNER UNIT 1	40 CFR Part 72.6(a)(3)(i)
B007954 B007956	COMBUSTION TURBINE GENERATOR POWER BLOCK (CT2) DUCT BURNER UNIT 2	40 CFR Part 72.6(a)(3)(i)

Comments, notes and justifications regarding this Acid Rain Program permit

~~(b)~~ • Pursuant to 40 CFR Part 72.6(a)(3)(i), the affected units specified above meet the 72.2 definition for a new utility unit and are subject to the acid rain permit requirements of 72.9(a). The affected units do not qualify for a new unit exemption pursuant to 40 CFR 72.7(b)(1) since each serves a generator with a nameplate capacity greater than 25 MW.

~~(c)~~ • The affected units specified above are not listed in table-2 of 40 CFR Part 73, therefore, the operator is not required to obtain SO2 allowances under the Acid Rain Program.

~~(d)~~ • This unit is not subject to the NOx requirements from 40 CFR Part 76 as this unit is not capable of firing on coal

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258
Approval expires 11/30/2012

Acid Rain Permit Application

For more information, see instructions and 40 CFR 72.30 and 72.31.

This submission is: ☐ New ☐ Revised ☒ for ARP permit renewal

STEP 1

Identify the facility name, State, and plant (ORIS) code.

Facility (Source) Name	State	Plant Code
Blythe Energy	CA	55295

STEP 2

Enter the unit ID# for every affected unit at the affected source in column "a."

a	b
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)
1	Yes
2	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes

EPA Form 7610-16 (Revised 7-2014)

Blythe Energy
Facility (Source) Name (from STEP 1)

Permit Requirements

STEP 3

Read the standard requirements.

(1) The designated representative of each affected source and each affected unit at the source shall:
(i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
(2) The owners and operators of each affected source and each affected unit at the source shall:
(i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
(ii) Have an Acid Rain Permit.

Monitoring Requirements

(1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
(2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
(3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

(1) The owners and operators of each source and each affected unit at the source shall:
(i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
(ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
(2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
(3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
(i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
(ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

Blythe Energy
Facility (Source) Name (from STEP 1)

Sulfur Dioxide Requirements, Cont'd.

STEP 3, Cont'd.

(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

(1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
(2) The owners and operators of an affected source that has excess emissions in any calendar year shall:
(i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
(ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
(i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission

Blythe Energy
Facility (Source) Name (from STEP 1)

of a new certificate of representation changing the designated representative;

STEP 3, Cont'd. **Recordkeeping and Reporting Requirements, Cont'd.**

(ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
(iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
(2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
(4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:
(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with

Blythe Energy
Facility (Source) Name (from STEP 1)

any other provision of the Act, including the provisions of title I of the Act relating

STEP 3, Cont'd.

Effect on Other Authorities, Cont'd.

to applicable National Ambient Air Quality Standards or State Implementation Plans;
(2) Limiting the number of allowances a source can hold; *provided*, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;
(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4
Read the certification statement, sign, and date.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name JASON M. ALLEN	
Signature Jason M. Allen	Date 10/05/2016

EPA Form 7610-16 (Revised 7-2014)

Instructions for the Acid Rain Program Permit Application

The Acid Rain Program requires the designated representative to submit an Acid Rain permit application for each source with an affected unit. A complete Certificate of Representation must be received by EPA before the permit application is submitted to the title V permitting authority. A complete Acid Rain permit application, once submitted, is binding on the owners and operators of the affected source and is enforceable in the absence of a permit until the title V permitting authority either issues a permit to the source or disapproves the application.

Please type or print. If assistance is needed, contact the title V permitting authority.

STEP 1 A Plant Code is a 4 or 5 digit number assigned by the Department of Energy=s (DOE) Energy Information Administration (EIA) to facilities that generate electricity. For older facilities, "Plant Code" is synonymous with "ORISPL" and "Facility" codes. If the facility generates electricity but no Plant Code has been assigned, or if there is uncertainty regarding what the Plant Code is, send an email to the EIA. The email address is EIA-860@eia.gov.

STEP 2 In column "a," identify each unit at the facility by providing the appropriate unit identification number, consistent with the identifiers used in the Certificate of Representation and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each Acid Rain Program submission that includes the unit identification number(s) (e.g., Acid Rain permit applications, monitoring plans, quarterly reports, etc.) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation.

Submission Deadlines

For new units, an initial Acid Rain permit application must be submitted to the title V permitting authority 24 months before the date the unit commences operation. Acid Rain permit renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a title V permit, or such longer time as provided for under the title V permitting authority's operating permits regulation.

Submission Instructions

Submit this form to the appropriate title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional Acid Rain contact, or call EPA's Acid Rain Hotline at (202) 343-9620.

Paperwork Burden Estimate

The public reporting and record keeping burden for this collection of information is estimated to average 8 hours per response. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. **Do not send the completed form to this address.**

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258
Approval expires 12/31/2021

Acid Rain Permit Application

For more information, see instructions and 40 CFR 72.30 and 72.31.

This submission is: ☐ new ☐ revised ☑ for ARP permit renewal

STEP 1

Identify the facility name, State, and plant (ORIS) code.

Blythe Energy	CA	55295
Facility (Source) Name	State	Plant Code

STEP 2

Enter the unit ID# for every affected unit at the affected source in column "a."

a	b
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)
1	Yes
2	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes

Blythe Energy
Facility (Source) Name (from STEP 1)

STEP 3

Read the standard requirements.

Permit Requirements

(1) The designated representative of each affected source and each affected unit at the source shall:
  (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
  (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;

(2) The owners and operators of each affected source and each affected unit at the source shall:
  (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
  (ii) Have an Acid Rain Permit.

Monitoring Requirements

(1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.

(2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.

(3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

(1) The owners and operators of each source and each affected unit at the source shall:
  (i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
  (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.

(2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.

(3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
  (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
  (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.

(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.

(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Blythe Energy
Facility (Source) Name (from STEP 1)

STEP 3, Cont'd.

Excess Emissions Requirements

(1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
(2) The owners and operators of an affected source that has excess emissions in any calendar year shall:
   (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
   (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
   (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
   (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
   (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
   (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
(2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
(4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Blythe Energy
Facility (Source) Name (from STEP 1)

STEP 3, Cont'd.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;

(2) Limiting the number of allowances a source can hold; provided, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;

(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;

(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4

Certification

Read the certification statement, sign, and date.

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name Andreas Mehlich

Signature A. Mehlich Date 06/02/2021

Instructions for the Acid Rain Program Permit Application

The Acid Rain Program requires the designated representative to submit an Acid Rain permit application for each source with an affected unit. A complete Certificate of Representation must be received by EPA before the permit application is submitted to the Title V permitting authority. A complete Acid Rain permit application, once submitted, is binding on the owners and operators of the affected source and is enforceable in the absence of a permit until the Title V permitting authority either issues a permit to the source or disapproves the application.

Please type or print. If assistance is needed, contact the Title V permitting authority.

STEP 1 A Plant Code is a 4 or 5 digit number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to facilities that generate electricity. For older facilities, "Plant Code" is synonymous with "ORISPL" and "Facility" codes. If the facility generates electricity but no Plant Code has been assigned, or if there is uncertainty regarding what the Plant Code is, send an email to the EIA. The email address is EIA-860@eia.gov.

STEP 2 In column "a," identify each unit at the facility by providing the appropriate unit identification number, consistent with the identifiers used in the Certificate of Representation and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each Acid Rain Program submission that includes the unit identification number(s) (e.g., Acid Rain permit applications, monitoring plans, quarterly reports, etc.) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation.

Submission Deadlines

For new units, an initial Acid Rain permit application must be submitted to the Title V permitting authority 24 months before the date the unit commences operation. Acid Rain permit renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a Title V permit, or such longer time as provided for under the Title V permitting authority's operating permits regulation.

Submission Instructions

Submit this form to the appropriate Title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional Acid Rain contact, or call EPA's Clean Air Markets Hotline at (202) 343-9620.

Paperwork Burden Estimate

The public reporting and record keeping burden for this collection of information is estimated to average 8 hours per response. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. **Do not send the completed form to this address.**

PART VII
CONVENTIONS, ABREVIATIONS, 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 SO_2 Emissions Data Protocol
40 CFR Part 75, Appendix F, Conversion Procedures
40 CFR Part 75, Appendix G, Determination of CO_2 Emissions

B. ***OTHER CONVENTIONS:***

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

C. ***ABBREVIATIONS***

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

D. MDAQMD RULE SIP HISTORY

SIP Rule Citations for Mojave Desert Air Quality Management District Rules

~~District Rule Number~~	~~District Rule Title~~	~~SIP Rule Version~~	~~SIP Citation~~	~~Federally Enforceable~~
~~203~~	~~*Permit to Operate*~~	~~1/7/77~~	~~Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)~~	~~Y~~
~~204~~	~~*Permit Conditions*~~	~~1/9/76~~	~~Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)~~	~~Y~~
~~206~~	~~*Posting of Permit to Operate*~~	~~1/9/76~~	~~Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)~~	~~Y~~
~~207~~	~~*Altering or Falsifying of Permit*~~	~~1/9/76~~	~~Approved 11/09/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C)~~	~~Y~~
~~209~~	~~*Transfer and Voiding of Permit*~~	~~1/9/76~~	~~Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)~~	~~Y~~

~~217~~	~~*Provision for Sampling And Testing Facilities*~~	~~1/9/76~~	~~Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)~~	~~Y~~
~~218~~	~~*Stack Monitoring*~~	~~7/25/79~~	~~Approved 9/28/81, 46 FR 47451,40 CFR 52.220(c)(65)(ii)~~	~~Y~~
~~219~~	~~*Equipment Not Requiring a Written Permit*~~	~~6/6/77~~	~~Approved 11/9/78, 43 FR, 52237, 40 CFR 52.220(c)(31)(vi)(C), 40 CFR 52.220(c)(32)(iv)(C), and 40 CFR 52.220(c)(39)(ii)(B)~~	~~Y~~
~~221~~	~~*Federal Operating Permit Requirement*~~	~~12/21/94~~	~~Approved 2/5/96, 61 FR 4217, 40 CFR 52.220(c)(216)(i)(A)(2)~~	~~Y~~

~~301~~	~~*Permit Fees*~~	~~Not in SIP~~	~~Applicable Version = Most current amendment, Applicable via Title V Program interim approval 02/05/96 61 FR 4217~~	~~Y~~
~~312~~	~~*Fees for Federal Operating Permits*~~	~~Not in SIP~~	~~Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217~~	~~Y~~
~~401~~	~~*Visible Emissions*~~	~~7/25/1977~~	~~Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(C)~~	~~Y~~
~~403~~	~~*Fugitive Dust*~~	~~7/25/1977~~	~~Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(B)~~	~~Y~~

403.2	*Fugitive Dust Control for the Mojave Desert Planning Area*	9/22/96	Approved 12/9/98, 63 FR 67784, 40 CFR 52.220(c)(194)(i)(H)(1)	Y
404	*Particulate Matter Concentration*	7/25/77	Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)	Y
405	*Solid Particulate Matter, Weight*	7/25/77	Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)	Y
406	*Specific Contaminants*	7/25/1977 (subdivision (a))	Approved, 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)	Y
407	*Liquid and Gaseous Air Contaminants*	5/7/76	Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C)	Y

~~408~~	~~*Circumvention*~~	~~5/7/76~~	~~Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)~~	~~Y~~
~~409~~	~~*Combustion Contaminants*~~	~~5/7/76~~	~~Approved 9/8/78; 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)~~	~~Y~~
~~430~~	~~*Breakdown Provisions*~~	~~Not in SIP~~	~~Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217~~	~~Y~~
~~431~~	~~*Sulfur Content of Fuels*~~	~~10/8/1976~~	~~Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(B) and 40 CFR 52.220(c)(39)(ii)(B)~~	~~Y~~
~~442~~	~~*Usage of Solvents*~~	~~2/27/06~~	~~Approved 09/17/2007, 72 FR 52791, 40 CFR 52.220(c)(347)(i)(C)(1)~~	~~Y~~

900	*Standards of Performance for New Stationary Sources*	2/28/11	Delegated by USEPA	Y
1000	*National Emissions Standards from Hazardous Air Pollutants*	2/28/11	Delegated by USEPA	Y
1104	*Organic Solvent Degreasing Operations*	9/28/94	Approved: 4/30/96, 61 FR 18962, 40 CFR 52.220(c)(207)(I)(D)(2)	Y
1113	*Architectural Coatings*	4/23/12	Approved: 1/03/14, 79 FR 364, 40 CFR 52.220(c)(428)(i)(C)	Y
1115	*Metal Parts and Products Coating Operations*	4/22/96	Approved 12/23/97, 62 FR 67002, 40 CFR 52.220(c)(239)(i)(A)(2)	Y
1161	*Cement Kilns*	3/25/02	Approved 1/2/02, 67 FR 19, 40 CFR 52.220(c)(287)(i)(A)(1)	Y

~~1302~~	~~*NSR - Procedure*~~	~~3/25/96~~	~~Approved 11/13/1996, 61 FR 58133, 40 CFR 52.220(c)(239)(i)(A)(1)~~	~~Y~~
~~Regulation XII~~	~~*Federal Operating Permits*~~	~~*1201 - 1210* ÷ 9/26/05~~ ~~1200 & 1211 ÷ 2/28/11~~	~~SIP: Not SIP. Final Title V Program Approval 11/21/03 68 FR 65637; Partial Withdrawal of approval 10/15/02 67 FR 63551; Notice of Deficiency 05/22/02 67 FR 35990; Approval 12/17/01 66 FR 63503; Interim Approval 02/05/96 61 FR 4217~~	

Agency	Rule #	Rule Title	Area	Rule Book Version	SIP Version	CFR	FR Date	FR Cite
Old SB	2	Definitions	SBC	MD 102	Bef 02/72	40 CFR 52.2236(e)(4)(i)(A)	12/21/1978	43 FR 59489
Old SB	5 (a)	Public Availability of Emissions Data	SBC	None	Bef 02/73	40 CFR 52.220(c)(21)(xv)(A)	6/14/1978	43 FR 25684
RC	51	Nuisance	RC	MD 402, 07/25/1977 via Res. 94-03	Bef 02/72	40 CFR 52.220(c)(?)	5/31/1977	-
RC	52	Particulate Matter - Concentration	RC	MD 405, 07/25/1977	Bef 06/72	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011

				via Res. 94-03				
Old SB	52A	Particulate Matter - Concentration	SBC	-	-	40 CFR 52.220.(c)(1-2)	9/22/1972	34 FR 19812
Old SB	53A	Specific Air Contaminants	SBC	-	-	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
RC	53	Specific Air Contaminants	RC	-	-	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
Old SB	53.2	Sulfur Recovery Units	SBC	-	-	40 CFR 52.220.(c)(1-2)	9/22/1972	34 FR 19812
Old SB	53.3	Sulfuric Acid Units	SBC	-	-	40 CFR 52.220.(c)(1-2)	9/22/1972	34 FR 19812
RC	54	Solid Particulate Matter, Weight	RC	MD 405, 07/25/1977 via Res. 94-03	Bef 06/72	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 4011
Old SB	54A	Solid Particulate Matter, Weight	SBC	MD 405, 07/25/1977	Unknown	40 CFR 52.240(a)(1)&(d)(1)(i)	1/16/1981	46 FR 3883
RC	56	Scavenger Plants	RC	None	G-73	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
RC	58	Disposal of Solid and Liquid Wastes	RC	MD 473, 7/25/77 via Reso 04-03	Bef 06/72	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
Old SB	58 A	Disposal of Solid and Liquid Wastes	SBC	MD 473, 07/25/77	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
Old SB	62.1	Sulfur Content of	SBC	None but See	Bef	40 CFR 52.240(a)(1) &	1/16/1981	46 FR 3883

		Natural Gas		MD 431	02/72	(d)(1)(i)		
Old SB	67	Fuel Burning Equipment	N/A	None but See MD 474 and 476	Bef 02/72	40 CFR 52.280(b)(1)(ii)(C)	6/9/1982	47 FR 25013
RC	67	Fuel Burning Equipment	RC	None but See MD 474 and 476	Bef 11/79	40 CFR 52.280(c)(1)(i)	5/18/1981	46 FR 27116
Old SB	69	Vacuum Producing Devices or Systems	SBC	Fed Neg Dec. 12/21/1994	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR3886
Old SB	70	Asphalt Air Blowing	SBC	Fed Neg Dec. 10/26/1994	Bef 02/72	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3886
RC	72	Fuel Burning Equipment	RC	MD 474, 01/22/1996; MD 475 03/16/1981; and MD 476 01/22/1996 via Res. 94-03	Bef 11/79	40 CFR 52.280(c)(1)(i)	5/18/1981	46 FR 27116
RC	73	Lead Content and Volatility of Gasoline	RC	None	G-73	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 4001
Old SB	73	Dry Sandblasting	SBC	None	Bef 02/72	40 CFR 52.220(C)(27)(v)	6/14/1978	43 FR 25684
RC	74	Vacuum Producing Devices or Systems	RC	Fed Neg Dec12/21/19	Bef 06/72	40 CFR 52.269(b)(3)(ii)(A)	-	-

				94				
SC	101	Title	RC	7/1/1993 via Res. 94-03	Bef 11/77	FR Text	6/9/1982	47 FR 25013
SB	101	Title	SBC	7/1/1993	12/19/1998	40 CFR 52.220(c)(179)(i)(B)	11/27/1990	55 FR 49281
MD	102	Definition of Terms	MD	-	-	40 CFR 52.220(c)(520)(i)(A)(1)	7/2/2019	84 FR 31682
MD	102	Definition of Terms	MD	9/28/2020	(SIP Sub)	-	-	-
MD	103	Definition of District Boundaries	MD	6/28/1995	Current	40 CFR 52.220(c)(224)(i)(C)(2)	6/3/1999	64 FR 29790
SB	103	Definition of Terms (Unknown rule - no record except in FR reference)	SBC	None	Bef 11/77	40 CFR 52.236(e)(3)(i)	1/16/1981	46 FR 3883
SC	104	Reporting of Source Data Analysis	RC	-	-	FR Text	6/9/1982	47 FR 25013
SB	104	Reporting of Source Data Analysis	SB	12/19/1988	Current	40 CFR 52.220(c)(179)(i)(B)(i)	-	-
SC	106	Increments of Progress	RC	-	-	FR Text	6/9/1982	47 FR 25013
SB	106	Increments of Progress	SB	12/19/1988	Current	40 CFR 52.220(c)(179)(i)(B)(i)	11/27/1990	55 FR 49281
MD	107	Certification and Emissions Statements	MD	9/14/1992	Current	40 CFR 52.220(c)(190)(i)(F)(1)	5/26/2004	69 FR 29880

SC	107	Determination of Volatile Organic Compounds in Coating Material	RC	-	Bef 3/1/82	40 CFR 52.220(c)(121)(c)(v)(B)	10/11/1983	48 FR 46046
SC	108	Alternate Emission Control Plans	RC	None	4/6/1990	40 CFR 52.220(c)(182)(i)(A)(3)	8/30/1993	58 FR 45445
SC	109	Record keeping for Volatile Organic Compound Emissions	RC	None	Bef 09/92	40 CFR 52.220(c)(189)(i)(A)(6)	4/13/1995	60 FR 18751
SB	201	Permit to Construct	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	201	Permit to Construct	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	202	Temporary Permit to Operate	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	202	Temporary Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	203	Permit to Operate	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	203	Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	204	Permit Conditions	SBC	7/25/1977	G-73	40 CFR	11/9/1978	43 FR 52237

						52.220(c)(39)(ii)(B)		
SC	204	Permit Conditions	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	205	Cancellation of Application	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	205	Cancellation of Application	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	206	Posting of Permit to Operate	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	206	Posting of Permit to Operate	RC	7/25/1977 via Res.94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	207	Altering or Falsifying of Permit	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	207	Altering or Falsifying of Permit	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	208	Permit for Open Burning	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	208	Permit for Open Burning	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	209	Transfer and Voiding	SBC	7/25/1977	G-73	40 CFR	11/9/1978	43 FR 52237

		of Permit				52.220(c)(39)(ii)(B)		
SC	209	Transfer and Voiding of Permit	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SB	212	Standards for Approving Permits	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	212	Standards for Approving Permits	RC	7/25/1977 via Res. 94-03	5/1/1987	40 CFR 52.220(c)(173)(i)(A)(1)	2/3/1989	54 FR 5448
SB	212	Standards for Approving Permits	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SB	217	Provision for Sampling and Testing Facilities	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237
SC	217	Provision for Sampling and Testing Facilities	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
SO	218	Stack Monitoring	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	218	Stack Monitoring	RC	7/25/1977 via Res. 94-03	Bef 10/81	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SB	219	Equipment Not Requiring a Written Permit	SBC	1/28/2019	G-73	40 CFR 52.220(c)(39)(ii)(B)	11/9/1978	43 FR 52237

SC	219	Equipment Not Requiring a Written Permit Pursuant to Regulation II	RC	1/28/2019	9/4/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
MD	219	Equipment Not Requiring a Written Permit	MD	1/25/2021	(SIP Sub)	-	11/25/2022	87 FR 72434
SC	220	Exemption, Net Increase in Emissions	RC	11/25/1991 via Res. 94-03	8/7/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
SC	221	Plans	RC	None	1/4/1985	40 CFR 52.220(c)(165)(i)(B)(1)	4/17/1987	52 FR 12522
MD	221	Federal Operating Permit Requirement	MD	2/28/2011	2/21/1994	40 CFR 52.220(c)(216)(i)(A)(2)	2/5/1996	61 FR 4217
MD	221	Federal Operating Permit Requirement	MD	2/28/2011	(SIP Sub)	-	-	-
MD	222	Limitation on Potential to Emit	MD	2/28/2011	7/31/1995	40 CFR 52.220(c)(225)(i)(H)(1)	8/31/2004	69 FR 53005
MD	222	Limitation on Potential to Emit	MD	2/28/2011	(SIP Sub)	-	-	-
SC	301.2	Fee Schedules	RC	None	6/3/1983	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
MD	315	Federal Clean Air Act Section 185 Penalty	MD	2/23/2023	(SIP Sub)	-	-	-

MD	315.1	Federal Clean Air Act Section 185 Penalty (1997 Standard)	MD	2/28/2011	(SIP Sub)	-	-	-
MD	315.2	Federal Clean Air Act Section 185 Penalty (2008 Standard)	MD	2/28/2011	(SIP Sub)	-	-	-
SC	401	Visible Emissions	RC	8/26/2019	4/7/1989	40 CFR 52.220(c)(155)(iv)(B)	1/29/1985	50 FR 3906
MD	401	Visible Emissions	MD	8/26/2019	(SIP Sub)	-	-	-
SB	403	Fugitive Dust	SBC	-	G-73	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
SC	403	Fugitive Dust	RC	-	-	FR Text	6/9/1982	47 FR 25013
MD	403	Fugitive Dust	MD	9/28/2020	-	-	-	-
MD	403.1	Respirable Particulate Matter in SVPA	MD	-	11/25/1996	40 CFR 52.220(c)(224)(i)(C)(2)	8/13/2009	74 FR 40750
SB	404	Particulate Matter, Concentration	SB	7/25/1977	7/25/1977	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 52482
SC	404	Particulate Matter, Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	FR Text	6/9/1982	47 FR 25013
SC	404	Particulate Matter, Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
MD	404	Particulate Matter -	MD	2/28/2022	(SIP Sub)	-	-	-

		Concentration						
SB	405	Solid Particulate Matter, Weight	SB	7/25/1997	7/25/1977	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489
SC	405	Solid Particulate Matter, Weight	RC	7/25/1977 via Res. 94-03	5/7/1976	FR Text	6/9/1982	47 FR 25013
MD	405	Solid Particulate Matter, Weight	MD	2/28/2022	(SIP Sub)	-	-	-
MD	406	Specific Contaminants	RC	2/20/1979 via Res. 94-03	RC Rule 53	-	-	-
SB	406	Specific Contaminants	SBC	2/20/1979	7/25/1977	40 CFR 52.220(c)(42)(xiii)(A)	12/21/1978	43 FR 59489
MD	406	Specific Contaminants	MD	3/28/2022	(SIP Sub)	-	-	-
SB	407	Liquid and Gaseous Air Contaminants	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	407	Liquid and Gaseous Air Contaminants	RC	7/25/1977 via Res. 94-03	4/2/1982	40 CFR 52.220(c)(124)(iv)(A)	11/10/1982	47 FR 50864
MD	407	Liquid and Gaseous Air Contaminants	MD	3/28/2022	(SIP Sub)	-	-	-
SB	408	Circumvention	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	408	Circumvention	RC	7/25/1977	G-73	FR Text	6/9/1982	47 FR 25013

				via Res. 94-03				
MD	408	Circumvention	MD	4/25/2022	(SIP Sub)	-	-	-
SB	409	Combustion Contaminants	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	409	Combustion Contaminants	RC	7/25/1977 via Res. 94-03	8/7/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
MD	409	Combustion Contaminants	MD	4/25/2022	(SIP Sub)	-	-	-
SB	431	Sulfur Content of Fuels	SB	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
MD	431	Sulfur Content of Fuels	MD	9/28/2020	(SIP Sub)	-	-	-
SC	431.1	Sulfur Content of Gaseous Fuels	RC	See MD 431	5/6/1983	40 CFR 52.220(c)(137)(vii)(B)	10/19/1984	49 FR 41028
SC	431.2	Sulfur Content of Liquid Fuels	RC	See MD 431	Bef 8/80	FR Text	6/9/1982	47 FR 25013
SC	431.3	Sulfur Content of fossil Fuels	RC	See MD 431	Bef 8/80	FR Text	6/9/1982	47 FR 25013
SB	432	Gasoline Specifications	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(B)	9/8/1978	43 FR 40011
SC	432	Gasoline Specifications	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013

MD	432	Gasoline Specifications	MD	4/25/2022	(SIP Sub)	-	-	-
MD	442	Usage of Solvents	MD	2/27/2006	Current	40 CFR 52.220(c)(347)(i)(C)(1)	9/17/2007	72 FR 52791
SB	443	Labeling of Solvents	SB	-	-	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	443	Labeling of Solvents	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
MD	444	Open Fires	MD	9/25/2006	Current	40 CFR 52.220(c)(350)(B)(1)	10/31/2007	72 FR 61525
MD	461	Gasoline Transfer and Dispensing	MD	-	-	40 CFR 52.220(c)(198)(i)(E)(1)	5/3/1995	60 FR 21702
MD	461	Gasoline Transfer and Dispensing	MD	1/22/2018	Current	40 CFR 52.220(c)(518)(i)(A)(3)	5/1/2020	85 FR 25293
MD	462	Organic Liquid Loading	MD	1/22/2018	Current	40 CFR 52.220(c)(518)(i)(A)(4)	5/1/2020	85 FR 25293
MD	463	Storage of Organic Liquids	MD	1/22/2018	Current	40 CFR 52.220(c)(518)(i)(A)(5)	5/1/2020	85 FR 25293
MD	464	Oil Water Separators	MD	6/12/2014	Current	40 CFR 52.220(c)(457)(i)(B)(1)	6/5/2015	80 FR 32026
SC	465	Vacuum Producing Devices orSystems	RC	Rescinded & Fed. Neg. Dec 12/21/1994	Bef 5/91	40 CFR 52.220(c)(184)(i)(B)(2)	8/11/1992	57 FR 35759

MD	465	Vacuum Producing Devices or Systems (Rescinded)	MD	Rescinded & Fed. Neg. Dec 12/21/1994	Not SIP	40 CFR 52.222(a)(1)(iii)	9/11/1995	60 FR 47074
SC	466	Pumps and Compressors	RC	Rescinded & See 1102 10/26/94	Bef 12/83	40 CFR 52.220(c)(166)(i)(A)(1)	1/15/1987	52 FR 1627
MD	466	Pumps and Compressors (Rescinded)	MD	Rescinded & See 1102 10/26/94	Not SIP	40 CFR 52.220(c)(39)(ii)(G)	8/19/1999	64 FR 45175
SC	466.1	Valves and Flanges	RC	None	5/2/1980	FR Text	6/9/1982	47 FR 25013
SB	468	Sulfur Recovery Units	SBC	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	468	Sulfur Recovery Units	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
MD	468	Sulfur Recovery Units	MD	8/22/2022	(SIP Sub)	-	-	-
SB	469	Sulfuric Acid Units	SB	7/25/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	469	Sulfuric Acid Units	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
MD	469	Sulfuric Acid Units	MD	8/22/2022	(SIP Sub)	-	-	-
SC	470	Asphalt Air Blowing	RC	N/A	G-73	FR Text	6/9/1982	47 FR 25013

MD	471	Asphalt Roofing Operations	-	12/21/1994	Current	40 CFR 52.220(c)(210)(i)(C)(2)	2/29/1996	61 FR 7706
SB	472	Reduction of Animal Matter	SBC	7/21/1977	G-73	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	472	Reduction of Animal Matter	RC	7/25/1977 via Res. 94-03	G-73	FR Text	6/9/1982	47 FR 25013
MD	472	Reduction of Animal Matter	MD	7/21/2022	(SIP Sub)	-	-	-
SB	473	Disposal of Liquid and Solid Wastes	SB	7/25/1977	G-73	40 CFR 52.220(c)(39(ii)(C)	9/8/1978	43 FR 40011
MD	473	Disposal of Liquid and Solid Wastes	MD	TBD	(SIP Sub)	-	-	-
MD	474	Fuel Burning Equipment - Oxides of Nitrogen	MD	8/25 1997	Current	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
MD	475	Electric Power Generating Equipment	MD	8/25/1997	Current	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
MD	476	Steam Generating Equipment	MD	8/25/1997	Current	40 CFR 52.220(c)(254)(i)(H)(1)	1/11/1999	64 FR 1517
SB	480	Natural Gas Fired Control Devices	SBC	2/20/1979	Current	40 CFR 52.220(c)(51)(xii)(A)	1/27/1981	46 FR 8471
MD	480	Natural Gas Fired Control Devices	MD	9/26/2022	(SIP Sub)	-	-	-

		(Rescinded)						
SC	481	Spray Coating Operations	RC	1113, 1114, 1115 & 1116	5/5/1978	FR Text	6/9/1982	47 FR 25013
SC	501	General	RC	6/10/2019	Bef 8/80	FR Text	6/9/1982	47 FR 25013
MD	701	Emergencies (Consolidation of Reg VII)	MD	9/26/2022	(SIP Sub)	-	-	-
MD	900	Standards of Performance for New Stationary Sources	MD	1/24/2022	Delegated	-	-	-
MD	1000	National emissions Standards fro Hazardous Air Pollutants	MD	1/24/2022	Delegated	-	-	-
SC	1101	Secondary Lead Smelters/Sulfur Oxides (SC Adopted 10/7/77)	RC	None	4/4/1980	FR Text	6/9/1982	47 FR 25013
SC	1102	Petroleum Solvent Dry Cleaners (SC Amended 12/7/90)	RC	None	12/7/1990	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
MD	1102	Fugitive Emissions of VOC's from Components at Pipeline Transfer Stations	MD	10/26/1994	Current	40 CFR 52.220(c)(207)(i)(D)	9/27/1995	60 FR 49772

SC	1102	Perchloroethylene Dry Cleaning Systems	RC	None	12/7/1990	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
SC	1103	Pharmaceuticals and Cosmetics Manufacturing Operation	RC	None	4/6/1980	40 CFR 52.220(c)(69)(iii)	7/8/1982	47 FR 29668
MD	1103	Cutback and Emulsified Asphalt	MD	12/21/1994	Current	40 CFR 52.220(c)(207)(i)(C)(1)	2/5/1996	61 FR 4215
SC	1104	Wood Flat Stock Coating Operations (SC Amended 8/2/91)	RC	None	3/1/1991	40 CFR 52.220(c)(186)(i)(C)(1)	6/23/1994	59 FR 32354
MD	1104	Organic Solvent Degreasing Operations	MD	4/23/2018	Current	40 CFR 52.220(c)(519)(i)(A)(1)	7/2/2019	84 FR 31682
SC	1105	Fluid Catalytic Cracking Units Oxides of Nitrogen (SC Adopted 9/8/84)	RC	None	9/8/1984	40 CFR 52.220(c)(159)(v)(C)	7/12/1990	55 FR 28625
MD	1106	Marine & Pleasure Craft Coating Operations	MD	10/24/2016	Current	40 CFR 52.220(c)(498)(i)(B)(1)	2/12/2018	83 FR 5940
SC	1107	Miscellaneous Metal Parts, Products and Coatings Operations.	RC	None	9/6/1991	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66285
SC	1108	Cutback Asphalt	RC	None	2/1/1985	40 CFR 52.220(c)(160)(i)(E)(1)	7/12/1990	55 FR 28624

SC	1108	Emulsified Asphalt	RC	None	Bef 3/84	40 CFR 52.220(c)(153)(vii)(A)	1/24/1985	50 FR 3339
SC	1110	Emissions from Stationary Internal Combustion Engines.	RC	None	Bef 3/82	40 CFR 52.220(c)(121)(i)(C)	5/3/1984	47 FR 18822
SC	1111	NOx Emissions from Natural Gas Fired, Fan Type Central Furnaces	RC	None	Bef 10/83	40 CFR 52.220(c)(148)(vi)(A)	5/3/1984	49 FR 18830
SC	1112	Emissions of Oxides of Nitrogen from Cement Kilns	RC	None	1/6/1984	40 CFR 52.220(c)(154)(vii)(B)	1/7/1986	51 FR 600
SC	1113	Architectural Coatings	RC		Bef 7/84	40 CFR 52.220(c)(155)(iv)(A)	1/24/1985	50 FR 3339
MD	1113	Architectural Coatings	MD	4/23/2012	4/23/2012	40 CFR 52.220(c)(428)(i)(C)(1)	1/3/2014	79 FR 365
MD	1113	Architectural Coatings	MD	10/26/2020	(SIP Sub)			
MD	1114	Wood Products Coating Operations	MD	8/24/2020	Current	40 CFR 52.220(c)(558)(i)(a)(1)	7/28/2021	86 FR 40335
SC	1115	Motor Vehicle Assembly and Component Coating Operations	RC	None	3/6/1992	40 CFR 52.220(c)(189)(i)(A)(1)	12/20/1993	58 FR 66282
MD	1115	Metal Parts & Products Coating Operations	MD	6/8/2020	Current	40 CFR 52.220(c)(571)(i)(A)(1)	5/9/2022	87 FR 27526

MD	1116	Automotive Refinishing Operations	MD	8/23/2010	Current	40 CFR 52.220(c)(388)(i)(F)(1)	8/19/2012	77 FR 47536
SC	1117	Emissions of Oxides of Nitrogen from Glass Melting Furnaces	RC	None	SC 1/6/1984	40 CFR 52.220(c)(159)(v)(D)	7/12/1990	55 FR 28624
MD	1117	Graphic Arts	MD	-	-	40 CFR 52.220(c)(381)(i)(H)(1)	3/1/2012	77 FR 12495
MD	1117	Graphic Arts	MD	8/24/2020	(SIP Sub)	-	-	-
MD	1118	Aerospace Vehicle Parts & Products Coating Operations	MD	-	-	40 CFR 52.220(c)(485)(i)(B)(1)	6/21/2017	82 FR 28240
MD	1118	Aerospace Assembly, Rework and Component Manufacturing Operations	MD	6/8/2020	(SIP Sub)	-	-	-
SC	1119	Petroleum Coke Calcining Operations Oxides of Sulfur	RC	None	3/2/1979	40 CFR 52.220(c)(88)(iii)(A)	9/28/1981	46 FR 47451
SC	1120	Asphalt Pavement Heaters	RC	None	8/4/1978	40 CFR 52.220(c)(65)(ii)	9/28/1981	46 FR 47451
SC	1121	Control of Nitrogen Oxides from Residential Type Natural Gas Fired	RC	None	12/1/1978	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451

		Water Heaters						
SC	1122	Solvent Metal Cleaners (Degreasers)	RC	None	7/8/1983	40 CFR 52.220(c)(148)(vi)(B)	10/3/1984	49 FR 39057
SC	1123	Refinery Process Turnaround	RC	None	SC 12/7/1990	40 CFR 52.220(c)(184)(i)(B)(2)	8/11/1992	57 FR 35758
SC	1124	Aerospace Assembly and Component Coating Operations	RC	None	1/6/1984	40 CFR 52.220(c)(154)(vii)(A)	1/24/1985	50 FR 3339
SC	1125	Metal Container, Closure and Coil Coating Operations	RC	None	SC 8/2/1991	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17898
SC	1126	Magnet Wire Coating Operations	RC	None	SC 3/6/1992	40 CFR 52.220(c)(189)(i)(A)(2)	12/20/1993	58 FR 66286
MD	1126	Municipal Solid Waste Landfills	MD	8/28/2000	Not SIP	40 CFR 60.23	-	-
SC	1128	Paper, Fabric and Film Coating Operations	RC	None	SC 2/7/1992	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66287
SC	1130	Graphic Arts	RC	None	Bef 5/1993	40 CFR 52.220(c)(193)(i)(A)(2)	4/14/1994	59 FR 17698
SC	1136	Wood Furniture and Cabinet Coatings	RC	None	Bef 5/92	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17698
SC	1140	Abrasive Blasting	RC	-	2/1/1980	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451

SC	1141	Control of Volatile Organic Compound Emissions from Resin Manufacturing	RC	None	SC 4/3/1992	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66286
SC	1141	Coatings and Ink Manufacturing	RC	None	11/4/1983	40 CFR 52.220(c)(153)(vii)(B)	1/24/1985	50 FR 3339
SC	1141	Surfactant Manufacturing	RC	None	SC 7/6/1984	40 CFR 52.220(c)(156)(vii)(A)	1/15/1987	52 FR 1627
SC	1142	Marine Tank Vessel Operations	RC	None	-	40 CFR 52.220(c)(187)(i)(C)(1)	-	-
SC	1145	Plastic, Rubber and Glass Coatings	RC	None	SC 1/10/1992	40 CFR 52.220(c)(191)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1148	Thermally Enhanced Oil Recovery Wells	RC	None	Bef 10/1983	40 CFR 52.220(c)(148)(vi)(B)	??	??
SC	1151	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations	RC	None	Bef 5/13/1993	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1153	Commercial Bakery Ovens	RC	None	SC 1/4/1991	40 CFR 52.220(c)(184)(i)(B)(3)	9/29/1993	58 FR 50850
MD	1157	Boilers and Process Heaters	MD	1/22/2018	5/19/1997	40 CFR 52.220(c)(248)(i)(D)	4/20/1999	64 FR 19277
MD	1157	Boilers and Process Heaters	MD	1/22/2018	(SIP Sub)	-	-	-

SC	1158	Storage, Handling and Transport of Petroleum Coke	RC	None	SC Bef 5/93	40 CFR 52.220(c)(153)(vii)(B)	1/15/1987	52 FR 1627
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	8/25/1997	40 CFR 52.220(c)(254)(i)(H)(2)	7/20/1999	64 FR 38832
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	Withdrawan	-	-	-
SC	1159	Nitric Acid Units - Oxides of Nitrogen	RC	None	SC 12/6/1985	40 CFR 52.220(c)(168)(I)(H)	7/12/1990	55 FR 28622
MD	1159	Stationary Gas Turbines	MD	9/28/2009	Current	40 CFR 52.220(c)(379)(i)(E)(1)	10/25/2012	77 FR 65133
MD	1160	Internal Combustion Engines	MD	-	1/22/2018	40 CFR 52.220(c)(518)(i)(A)(7)	9/10/2021	86 FR 50643
MD	1160	Internal Combustion Engines	MD	1/23/2023	(SIP Sub)	-	-	-
MD	1161	Portland Cement Kilns	MD	1/22/2018	3/25/2002	40 CFR 52.220(c)(300)(i)(A)(1)	2/27/2003	68 FR 9015
MD	1161	Portland Cement Kilns	MD	1/22/2018	Current	40 CFR 52.220(c)(518)(i)(A)(9)	6/2/2023	88 FR 36249
MD	1162	Polyester Resin Operations	MD	1/22/2018	8/27/2007	40 CFR 52.220(c)(354)(i)(B)(1)	11/24/2008	73 FR 70883
MD	1162	Polyester Resin Operations	MD	1/22/2018	Current	40 CFR 52.220(c)(519)(i)(A)(1)	2/27/2020	85 FR 11812

SC	1164	Semiconductor Manufacturing Operations	RC	None	Bef 10/1993	-	10/26/1993	58 FR 48459
MD	1165	Glass Melting Furnaces	MD	8/12/2008	Current	40 CFR 52.220(c)(364)(i)(D)(1)	7/2/2012	77FR 39181
MD	1168	Adhesive & Sealant Applications	MD	4/27/2020	(SIP Sub)	-	-	-
SC	1171	Solvent Cleaning	RC	None	SC 8/2/1991	40 CFR 52.220(c)(188)(i)(C)(1)	12/20/1993	58 FR66285
SC	1175	Control of Emissions from the Manufacture of Polymeric Cellular (Foam) Products	RC	-	1/5/1990	40 CFR 52.220(c)(182)(i)(A)(1)	10/26/1992	57 FR 48457
SC	1176	Sumps and Wastewater Separators	RC	1/5/1990	1/5/1990	40 CFR 52.220(c)(182)(i)(A)(1)	10/26/1992	57 FR 48459
MD	1200	General (Federal Operating Permit)	MD	2/28/2011	-	-	-	-
MD	1201	Definitions (Federal Operating Permit)	MD	9/26/2005	-	-	-	-
MD	1202	Applications	MD	9/26/2005	-	-	-	-
MD	1203	Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005	-	-	-	-

MD	1205	Modifications of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1206	Reopening, Reissuance and Termination of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1207	Notice and Comment (Federal Operating Permit)	MD	9/26/2005				
MD	1208	Certification (Federal Operating Permit)	MD	9/26/2005				
MD	1209	Appeals (Federal Operating Permit)	MD	9/26/2005				
MD	1210	Acid Rain Provisions of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005				
MD	1211	Greenhouse Gas Provisions of Federal Operating Permits (Federal Operating Permit)	MD	2/28/2011				
MD	1300	General	MD		3/25/199	40 CFR	11/13/1996	61 FR 58133

					6	52.220(c)(239)(i)(A)(1)		
MD	1300	General	MD	3/22/2021	(SIP Sub)		11/25/2022	87 FR 72434
MD	1301	Definitions	MD		3/25/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1301	Definitions	MD	3/22/2021	(SIP Sub)		11/25/2022	87 FR 72434
MD	1302	Procedure	MD		3/25/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1302	Procedure	MD	3/22/2021	(SIP Sub)		11/25/2022	87 FR 72434
MD	1303	Requirements	MD		3/25/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1303	Requirements	MD	3/22/2021	(SIP Sub)		11/25/2022	87 FR 72434
MD	1304	Emissions Calculations	MD		3/25/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1303	Emissions Calculations	MD	3/22/2021	(SIP Sub)		11/25/2022	87 FR 72434
MD	1305	Emissions Offsets	MD		3/25/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1305	Emissions Offsets	MD	3/22/2021	(SIP Sub)		11/25/2022	87 FR 72434
MD	1306	Electric Energy Generating Facilities	MD		3/25/1996	40 CFR 52.220(c)(239)(i)(A)(1)	11/13/1996	61 FR 58133
MD	1306	Electric Energy Generating Facilities	MD	3/22/2021	(SIP Sub)		11/25/2022	87 FR 72434
MD	1310	Federal Major Facilities	MD	Rescinded	(SIP Sub)			

		and Federal Major Modifications		3/22/21				
MD	1400	General (Emission Reduction Credits)	MD	6/28/1995	Current	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1401	Definitions (Emissions Reduction Credits)	MD	6/28/1995	Current	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1402	Emission Reduction Credits Registry	MD	-	6/28/1995	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1402	Emission Reduction Credits Registry	MD	5/19/1997	(SIP Sub)	-	11/25/2022	87 FR 72434
MD	1404	Emission Reduction Credit Calculations	MD	6/28/1995	Current	40 CFR 52.220(c)(224)(i)(C)	1/22/1997	62 FR 3215
MD	1520	Control of Toxic Air Contaminants From Existing Sources	MD	3/25/2019	(SIP Sub)	-	-	-
MD	1600	Prevention of Significant Deterioration	MD	3/22/2021	(SIP Sub)	-	-	-
MD	2001	Transportation Conformity	MD	2/22/1995	??	-	-	-
MD	2002	General Federal Actions Conformity	MD	10/26/1994	Current	40 CFR 52.220(c)(231)(i)(C)(1)	4/23/1999	64 FR 19916
MD	FND	Fed. Neg. Dec. - Asphalt Air Blowing	MD	-	Current	40 CFR 52.222(a)(1)(ii)	9/11/1995	60 FR 47074

MD	FND	Fed. Neg. Dec. - Air Oxidation Process - SOCMI	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	RC	5/25/1994 via Res. 94-03	Unknown	-	-	-
MD	FND	Fed. Neg. Dec. - Chemical Processing & Manufacturing	SBC	5/25/1994	Current	-	1/31/1995	60 FR 38
MD	FND	Fed. Neg. Dec. - Equipment Leaks from Natural Gas/Gasoline Processing Plants	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Fugitive Emissions From Synthetic Organic chemical Polymer and Resin manufacturing Equipment	MD	8/23/2010	Current	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Industrial Wastewater	MD	-	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Large Petroleum Dry Cleaners	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Leaks	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153

		from Petroleum Refinery Equipment						
MD	FND	Fed. Neg. Dec. - Manufacture of High-Density Polyethylene, Polypropylene, and Polystyrene Resins	MD	8/23/2010	Current	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	RC	5/25/1994 via Res. 94-03	Unknown	-	-	-
MD	FND	Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment	SBC	5/25/1994	Current	40 CFR 52.222(a)(1)(i)	1/31/1995	60 FR 38
MD	FND	Fed. Neg. Dec. - Offset Lithography	MD	-	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Orchard & Citrus Heaters	MD	6/24/1996	??	-	-	-
MD	FND	Fed. Neg. Dec. - Petroleum Refinery Equipment	MD	8/23/2010	Current	40 CFR 52.222(a)(1)(vi)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Plastic Parts Coating (Business Machines)	MD	-	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Plastic	MD	-	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474

		Parts Coating (other)						
MD	FND	Fed. Neg. Dec. - Pneumatic Rubber Tire Manufacturing	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec - Polymer Manufacturing SOCMI and Polymer manufacturing Equipment Leaks	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Process Unit Turnarounds	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Reactor Processes and Distillation Operations in SOCMI	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Ship Building	MD	-	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Surface Coating of Cans	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Coils	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153

MD	FND	Fed. Neg. Dec. - Surface Coating of Fabrics	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Large Appliances	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Surface Coating of Magnet Wire	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg. Dec. - Surface Coating Operations at Automotive and Light Duty Truck Assembly Plants	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Synthesized Pharmaceutical Products	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Batch Processing	MD	-	Current	40 CFR 52.222(a)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing	MD	-	Current	40 CFR 52.222(a)(1)(iv)	11/1/1996	61 FR 56474

		Industry						
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Reactors	MD	-	Current	40 CFR 52.222(A)(1)(iv)	11/1/1996	61 FR 56474
MD	FND	Fed. Neg. Dec. - Synthetic Organic Chemical Polymer and Resin Manufacturing	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed. Neg. Dec. - Vacuum Producing Devices	MD	1/22/2007	Current	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg. Dec - 2 CTGs for Miscellaneous Metal and Plastic Parts Coatings, Table 3—Plastic Parts and Products, and Table 4—Automotive/Transportation and Business Machine Plastic Parts	MD	4/23/2018	Current	40 CFR 52.220(c)(519)(ii)(A)(1) and 52.222(a)(1)(viii)	2/27/2020	85 FR 11812
MD	FND	Fed Neg Dec - 1 CTG for Miscellaneous Metal and Plastic Parts Coatings (EPA–453/R–	MD	10/22/2018	Current	40 CFR 52.220(c)(531)(ii)(A)(1) and 52.222(a)(1)(ix)	2/27/2020	85 FR 11812

		08–003), Table 6—Motor Vehicle Materials.						
MD	Title V	Program - Federal Operation Permits: Title V	MD	-	-	40 CFR 70 Apx. A California (q)(2)	12/17/2001	66 FR 63503
MD	Title V	Program - Federal Operation Permits: Title V	MD	-	Unknown	40 CFR 70 Apx. A California (q)(3)	10/15/2002	67 FR 63551
MD	MACT	MACT Delegation (Sections A, F, G, H, I, J, L, M, N, O, Q, R, S, T, U, W, X, Y, AA, BB, CC, DD, EE, GG, HH, II, JJ KK, LL, MM, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, CCC, DDD, EEE, GGG, HHH, III, JJJ, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, TTT, UUU, VVV, XXX, AAAA, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, IIII, JJJJ, KKKK, MMMM, NNNN, OOOO, PPPP, QQQQ, RRRR, SSSS, TTTT,UUUU, VVVV, WWWW, XXXX, YYYY,	MD	Rule 1000 1/24/2022	Current	-	-	-

		ZZZZ,AAAAA, BBBBB, CCCCC, DDDDD, EEEEE, FFFFF, GGGGG,HHHHH, IIIII, JJJJJ, KKKKK, LLLLL, MMMMM, NNNNN,PPPPP,QQQQQ, RRRRR, SSSSS,TTTTT,WWWWW,YYYYY, ZZZZZ, BBBBBB, CCCCCC, DDDDDD, EEEEEE, FFFFFF, GGGGGG, HHHHHH, JJJJJJ, LLLLLL, MMMMMM, NNNNNN, OOOOOO, PPPPPP, QQQQQQ, RRRRRR, SSSSSS, TTTTTT, VVVVVV, WWWWWW, XXXXXX, YYYYYY, ZZZZZZ, AAAAAAA, BBBBBBB, CCCCCCC, DDDDDDD, EEEEEEE.					
MD	NESHAP	NESHAPS Delegation (Sections A, C, D, E and M)	SB	Rule 1000 1/24/2022	N/A	-	-	-

MD	NSPS	NSPS Delegation (Sections A, D, Da, Db, Dc, E, Ea, Eb, Ec, F, G, H, I, J, Ja, K, Ka, Kb, L, M, N, Na, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AAa, BB, CC, DD, EE, GG, HH, KK, LL, MM, NN, PP, QQ, RR, SS, TT, UU, VV, VVa, WW, AAA, BBB, DDD, FFF, GGG, GGGa, III, JJJ, KKK, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, SSS, TTT, UUU, VVV, WWW, AAAA, CCCC, EEEE, IIII, JJJJ, KKKK)	MD	Rule 900 1/24/2022	Current	-	4/30/2013	78 FR 25185
MD	FND	19 Source Category FNDs (including Oil & Gas)	MD	10/28/2019	(SIP Sub)	-	-	-
MD	-	Federal 70 ppb Ozone Attainment Plan (Western Mojave Desert Attainment Plan)	MD+	1/23/2023	-	-	-	-