

**MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
AIR QUALITY DIVISION**

EFFECTIVE DATE: December 14, 2020

ISSUED TO

Detroit Metropolitan Wayne County Airport

State Registration Number (SRN): M4174

LOCATED AT

11050 Rogell Drive, Romulus, Wayne County, Michigan 48242

RENEWABLE OPERATING PERMIT

Permit Number: MI-ROP-M4174-2020

Expiration Date: December 14, 2025

Administratively Complete ROP Renewal Application Due Between
June 14, 2024 and June 14, 2025

This Renewable Operating Permit (ROP) is issued in accordance with and subject to Section 5506(3) of Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451). Pursuant to Rule 210(1) of the administrative rules promulgated under Act 451, this ROP constitutes the permittee's authority to operate the stationary source identified above in accordance with the general conditions, special conditions and attachments contained herein. Operation of the stationary source and all emission units listed in the permit are subject to all applicable future or amended rules and regulations pursuant to Act 451 and the federal Clean Air Act.

SOURCE-WIDE PERMIT TO INSTALL

Permit Number: MI-PTI-M4174-2020

This Permit to Install (PTI) is issued in accordance with and subject to Section 5505(1) of Act 451. Pursuant to Rule 214a of the administrative rules promulgated under Act 451, the terms and conditions herein, identified by the underlying applicable requirement citation of Rule 201(1)(a), constitute a federally enforceable PTI. The PTI terms and conditions do not expire and remain in effect unless the criteria of Rule 201(6) are met. Operation of all emission units identified in the PTI is subject to all applicable future or amended rules and regulations pursuant to Act 451 and the federal Clean Air Act.

Michigan Department of Environment, Great Lakes, and Energy

April Wendling, Detroit District Supervisor

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AUTHORITY AND ENFORCEABILITY

For the purpose of this permit, the **permittee** is defined as any person who owns or operates an emission unit at a stationary source for which this permit has been issued. The **department** is defined in Rule 104(d) as the Director of the Michigan Department of Environment, Great Lakes, and Energy (EGLE) or his or her designee.

The permittee shall comply with all specific details in the permit terms and conditions and the cited underlying applicable requirements. All terms and conditions in this ROP are both federally enforceable and state enforceable unless otherwise footnoted. Certain terms and conditions are applicable to most stationary sources for which an ROP has been issued. These general conditions are included in Part A of this ROP. Other terms and conditions may apply to a specific emission unit, several emission units which are represented as a flexible group, or the entire stationary source which is represented as a Source-Wide group. Special conditions are identified in Parts B, C, D and/or the appendices.

In accordance with Rule 213(2)(a), all underlying applicable requirements are identified for each ROP term or condition. All terms and conditions that are included in a PTI are streamlined, subsumed and/or is state-only enforceable will be noted as such.

In accordance with Section 5507 of Act 451, the permittee has included in the ROP application a compliance certification, a schedule of compliance, and a compliance plan. For applicable requirements with which the source is in compliance, the source will continue to comply with these requirements. For applicable requirements with which the source is not in compliance, the source will comply with the detailed schedule of compliance requirements that are incorporated as an appendix in this ROP. Furthermore, for any applicable requirements effective after the date of issuance of this ROP, the stationary source will meet the requirements on a timely basis, unless the underlying applicable requirement requires a more detailed schedule of compliance.

Issuance of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.

A. GENERAL CONDITIONS

Permit Enforceability

- All conditions in this permit are both federally enforceable and state enforceable unless otherwise noted. **(R 336.1213(5))**
- Those conditions that are hereby incorporated in a state-only enforceable Source-Wide PTI pursuant to Rule 201(2)(d) are designated by footnote one. **(R 336.1213(5)(a), R 336.1214a(5))**
- Those conditions that are hereby incorporated in a federally enforceable Source-Wide PTI pursuant to Rule 201(2)(c) are designated by footnote two. **(R 336.1213(5)(b), R 336.1214a(3))**

General Provisions

1. The permittee shall comply with all conditions of this ROP. Any ROP noncompliance constitutes a violation of Act 451, and is grounds for enforcement action, for ROP revocation or revision, or for denial of the renewal of the ROP. All terms and conditions of this ROP that are designated as federally enforceable are enforceable by the Administrator of the United States Environmental Protection Agency (USEPA) and by citizens under the provisions of the federal Clean Air Act (CAA). Any terms and conditions based on applicable requirements which are designated as "state-only" are not enforceable by the USEPA or citizens pursuant to the CAA. **(R 336.1213(1)(a))**
2. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this ROP. **(R 336.1213(1)(b))**
3. This ROP may be modified, revised, or revoked for cause. The filing of a request by the permittee for a permit modification, revision, or termination, or a notification of planned changes or anticipated noncompliance does not stay any ROP term or condition. This does not supersede or affect the ability of the permittee to make changes, at the permittee's own risk, pursuant to Rule 215 and Rule 216. **(R 336.1213(1)(c))**
4. The permittee shall allow the department, or an authorized representative of the department, upon presentation of credentials and other documents as may be required by law and upon stating the authority for and purpose of the investigation, to perform any of the following activities: **(R 336.1213(1)(d))**
 - a. Enter, at reasonable times, a stationary source or other premises where emissions-related activity is conducted or where records must be kept under the conditions of the ROP.
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the ROP.
 - c. Inspect, at reasonable times, any of the following:
 - i. Any stationary source.
 - ii. Any emission unit.
 - iii. Any equipment, including monitoring and air pollution control equipment.
 - iv. Any work practices or operations regulated or required under the ROP.
 - d. As authorized by Section 5526 of Act 451, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the ROP or applicable requirements.
5. The permittee shall furnish to the department, within a reasonable time, any information the department may request, in writing, to determine whether cause exists for modifying, revising, or revoking the ROP or to determine compliance with this ROP. Upon request, the permittee shall also furnish to the department copies of any records that are required to be kept as a term or condition of this ROP. For information which is claimed by the permittee to be confidential, consistent with the requirements of the 1976 PA 442, MCL §15.231 et seq., and known as the Freedom of Information Act, the person may also be required to furnish the records directly to the USEPA together with a claim of confidentiality. **(R 336.1213(1)(e))**

6. A challenge by any person, the Administrator of the USEPA, or the department to a particular condition or a part of this ROP shall not set aside, delay, stay, or in any way affect the applicability or enforceability of any other condition or part of this ROP. **(R 336.1213(1)(f))**
7. The permittee shall pay fees consistent with the fee schedule and requirements pursuant to Section 5522 of Act 451. **(R 336.1213(1)(g))**
8. This ROP does not convey any property rights or any exclusive privilege. **(R 336.1213(1)(h))**

Equipment & Design

9. Any collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2).² **(R 336.1370)**
10. Any air cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the Michigan Air Pollution Control rules and existing law. **(R 336.1910)**

Emission Limits

11. Unless otherwise specified in this ROP, the permittee shall comply with Rule 301, which states, in part, "Except as provided in Subrules 2, 3, and 4 of this rule, a person shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of a density greater than the most stringent of the following:"² **(R 336.1301(1))**
 - a. A 6-minute average of 20% opacity, except for one 6-minute average per hour of not more than 27% opacity.
 - b. A limit specified by an applicable federal new source performance standard.

The grading of visible emissions shall be determined in accordance with Rule 303.

12. The permittee shall not cause or permit the emission of an air contaminant or water vapor in quantities that cause, alone or in reaction with other air contaminants, either of the following:
 - a. Injurious effects to human health or safety, animal life, plant life of significant economic value, or property.¹ **(R 336.1901(a))**
 - b. Unreasonable interference with the comfortable enjoyment of life and property.¹ **(R 336.1901(b))**

Testing/Sampling

13. The department may require the owner or operator of any source of an air contaminant to conduct acceptable performance tests, at the owner's or operator's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001(1).² **(R 336.2001)**
14. Any required performance testing shall be conducted in accordance with Rule 1001(2), Rule 1001(3) and Rule 1003. **(R 336.2001(2), R 336.2001(3), R 336.2003(1))**
15. Any required test results shall be submitted to the Air Quality Division (AQD) in the format prescribed by the applicable reference test method within 60 days following the last date of the test. **(R 336.2001(5))**

Monitoring/Recordkeeping

16. Records of any periodic emission or parametric monitoring required in this ROP shall include the following information specified in Rule 213(3)(b)(i), where appropriate. **(R 336.1213(3)(b))**
 - a. The date, location, time, and method of sampling or measurements.
 - b. The dates the analyses of the samples were performed.
 - c. The company or entity that performed the analyses of the samples.
 - d. The analytical techniques or methods used.
 - e. The results of the analyses.
 - f. The related process operating conditions or parameters that existed at the time of sampling or measurement.
17. All required monitoring data, support information and all reports, including reports of all instances of deviation from permit requirements, shall be kept and furnished to the department upon request for a period of not less than 5 years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records and all original strip-chart recordings, or other original data records, for continuous monitoring instrumentation and copies of all reports required by the ROP. **(R 336.1213(1)(e), R 336.1213(3)(b)(ii))**

Certification & Reporting

18. Except for the alternate certification schedule provided in Rule 213(3)(c)(iii)(B), any document required to be submitted to the department as a term or condition of this ROP shall contain an original certification by a Responsible Official which state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. **(R 336.1213(3)(c))**
19. A Responsible Official shall certify to the appropriate AQD District Office and to the USEPA that the stationary source is and has been in compliance with all terms and conditions contained in the ROP except for deviations that have been or are being reported to the appropriate AQD District Office pursuant to Rule 213(3)(c). This certification shall include all the information specified in Rule 213(4)(c)(i) through (v) and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. The USEPA address is: USEPA, Air Compliance Data - Michigan, Air and Radiation Division, 77 West Jackson Boulevard, Chicago, Illinois 60604-3507. **(R 336.1213(4)(c))**
20. The certification of compliance shall be submitted annually for the term of this ROP as detailed in the special conditions, or more frequently if specified in an applicable requirement or in this ROP. **(R 336.1213(4)(c))**
21. The permittee shall promptly report any deviations from ROP requirements and certify the reports. The prompt reporting of deviations from ROP requirements is defined in Rule 213(3)(c)(ii) as follows, unless otherwise described in this ROP. **(R 336.1213(3)(c))**
 - a. For deviations that exceed the emissions allowed under the ROP, prompt reporting means reporting consistent with the requirements of Rule 912 as detailed in Condition 25. All reports submitted pursuant to this paragraph shall be promptly certified as specified in Rule 213(3)(c)(iii).
 - b. For deviations which exceed the emissions allowed under the ROP and which are not reported pursuant to Rule 912 due to the duration of the deviation, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe reasons for each deviation and the actions taken to minimize or correct each deviation.
 - c. For deviations that do not exceed the emissions allowed under the ROP, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe the reasons for each deviation and the actions taken to minimize or correct each deviation.

22. For reports required pursuant to Rule 213(3)(c)(ii), prompt certification of the reports is described in Rule 213(3)(c)(iii) as either of the following: **(R 336.1213(3)(c))**
 - a. Submitting a certification by a Responsible Official with each report which states that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
 - b. Submitting, within 30 days following the end of a calendar month during which one or more prompt reports of deviations from the emissions allowed under the ROP were submitted to the department pursuant to Rule 213(3)(c)(ii), a certification by a Responsible Official which states that; “based on information and belief formed after reasonable inquiry, the statements and information contained in each of the reports submitted during the previous month were true, accurate, and complete.” The certification shall include a listing of the reports that are being certified. Any report submitted pursuant to Rule 213(3)(c)(ii) that will be certified on a monthly basis pursuant to this paragraph shall include a statement that certification of the report will be provided within 30 days following the end of the calendar month.
23. Semiannually for the term of the ROP as detailed in the special conditions, or more frequently if specified, the permittee shall submit certified reports of any required monitoring to the appropriate AQD District Office. All instances of deviations from ROP requirements during the reporting period shall be clearly identified in the reports. **(R 336.1213(3)(c)(i))**
24. On an annual basis, the permittee shall report the actual emissions, or the information necessary to determine the actual emissions, of each regulated air pollutant as defined in Rule 212(6) for each emission unit utilizing the emissions inventory forms provided by the department. **(R 336.1212(6))**
25. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the appropriate AQD District Office. The notice shall be provided not later than two business days after the start-up, shutdown, or discovery of the abnormal conditions or malfunction. Notice shall be by any reasonable means, including electronic, telephonic, or oral communication. Written reports, if required under Rule 912, must be submitted to the appropriate AQD District Supervisor within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal conditions or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5) and shall be certified by a Responsible Official in a manner consistent with the CAA.² **(R 336.1912)**

Permit Shield

26. Compliance with the conditions of the ROP shall be considered compliance with any applicable requirements as of the date of ROP issuance if either of the following provisions is satisfied. **(R 336.1213(6)(a)(i), R 336.1213(6)(a)(ii))**
 - a. The applicable requirements are included and are specifically identified in the ROP.
 - b. The permit includes a determination or concise summary of the determination by the department that other specifically identified requirements are not applicable to the stationary source.

Any requirements identified in Part E of this ROP have been identified as non-applicable to this ROP and are included in the permit shield.

27. Nothing in this ROP shall alter or affect any of the following:
 - a. The provisions of Section 303 of the CAA, emergency orders, including the authority of the USEPA under Section 303 of the CAA. **(R 336.1213(6)(b)(i))**
 - b. The liability of the owner or operator of this source for any violation of applicable requirements prior to or at the time of this ROP issuance. **(R 336.1213(6)(b)(ii))**
 - c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the CAA. **(R 336.1213(6)(b)(iii))**

- d. The ability of the USEPA to obtain information from a source pursuant to Section 114 of the CAA. **(R 336.1213(6)(b)(iv))**
28. The permit shield shall not apply to provisions incorporated into this ROP through procedures for any of the following:
- a. Operational flexibility changes made pursuant to Rule 215. **(R 336.1215(5))**
 - b. Administrative Amendments made pursuant to Rule 216(1)(a)(i)-(iv). **(R 336.1216(1)(b)(iii))**
 - c. Administrative Amendments made pursuant to Rule 216(1)(a)(v) until the amendment has been approved by the department. **(R 336.1216(1)(c)(iii))**
 - d. Minor Permit Modifications made pursuant to Rule 216(2). **(R 336.1216(2)(f))**
 - e. State-Only Modifications made pursuant to Rule 216(4) until the changes have been approved by the department. **(R 336.1216(4)(e))**
29. Expiration of this ROP results in the loss of the permit shield. If a timely and administratively complete application for renewal is submitted not more than 18 months, but not less than 6 months, before the expiration date of the ROP, but the department fails to take final action before the end of the ROP term, the existing ROP does not expire until the renewal is issued or denied, and the permit shield shall extend beyond the original ROP term until the department takes final action. **(R 336.1217(1)(c), R 336.1217(1)(a))**

Revisions

30. For changes to any process or process equipment covered by this ROP that do not require a revision of the ROP pursuant to Rule 216, the permittee must comply with Rule 215. **(R 336.1215, R 336.1216)**
31. A change in ownership or operational control of a stationary source covered by this ROP shall be made pursuant to Rule 216(1). **(R 336.1219(2))**
32. For revisions to this ROP, an administratively complete application shall be considered timely if it is received by the department in accordance with the time frames specified in Rule 216. **(R 336.1210(10))**
33. Pursuant to Rule 216(1)(b)(iii), Rule 216(2)(d) and Rule 216(4)(d), after a change has been made, and until the department takes final action, the permittee shall comply with both the applicable requirements governing the change and the ROP terms and conditions proposed in the application for the modification. During this time period, the permittee may choose to not comply with the existing ROP terms and conditions that the application seeks to change. However, if the permittee fails to comply with the ROP terms and conditions proposed in the application during this time period, the terms and conditions in the ROP are enforceable. **(R 336.1216(1)(c)(iii), R 336.1216(2)(d), R 336.1216(4)(d))**

Reopenings

34. A ROP shall be reopened by the department prior to the expiration date and revised by the department under any of the following circumstances:
- a. If additional requirements become applicable to this stationary source with three or more years remaining in the term of the ROP, but not if the effective date of the new applicable requirement is later than the ROP expiration date. **(R 336.1217(2)(a)(i))**
 - b. If additional requirements pursuant to Title IV of the CAA become applicable to this stationary source. **(R 336.1217(2)(a)(ii))**
 - c. If the department determines that the ROP contains a material mistake, information required by any applicable requirement was omitted, or inaccurate statements were made in establishing emission limits or the terms or conditions of the ROP. **(R 336.1217(2)(a)(iii))**
 - d. If the department determines that the ROP must be revised to ensure compliance with the applicable requirements. **(R 336.1217(2)(a)(iv))**

Renewals

35. For renewal of this ROP, an administratively complete application shall be considered timely if it is received by the department not more than 18 months, but not less than 6 months, before the expiration date of the ROP. **(R 336.1210(9))**

Stratospheric Ozone Protection

36. If the permittee is subject to Title 40 of the Code of Federal Regulations (CFR), Part 82 and services, maintains, or repairs appliances except for motor vehicle air conditioners (MVAC), or disposes of appliances containing refrigerant, including MVAC and small appliances, or if the permittee is a refrigerant reclaiming, appliance owner or a manufacturer of appliances or recycling and recovery equipment, the permittee shall comply with all applicable standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F.
37. If the permittee is subject to 40 CFR Part 82 and performs a service on motor (fleet) vehicles when this service involves refrigerant in the MVAC, the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed by the original equipment manufacturer. The term MVAC as used in Subpart B does not include the air-tight sealed refrigeration system used for refrigerated cargo or an air conditioning system on passenger buses using Hydrochlorofluorocarbon-22 refrigerant.

Risk Management Plan

38. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall register and submit to the USEPA the required data related to the risk management plan for reducing the probability of accidental releases of any regulated substances listed pursuant to Section 112(r)(3) of the CAA as amended in 40 CFR 68.130. The list of substances, threshold quantities, and accident prevention regulations promulgated under 40 CFR Part 68, do not limit in any way the general duty provisions under Section 112(r)(1).
39. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall comply with the requirements of 40 CFR Part 68, no later than the latest of the following dates as provided in 40 CFR 68.10(a):
- June 21, 1999,
 - Three years after the date on which a regulated substance is first listed under 40 CFR 68.130, or
 - The date on which a regulated substance is first present above a threshold quantity in a process.
40. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall submit any additional relevant information requested by any regulatory agency necessary to ensure compliance with the requirements of 40 CFR Part 68.
41. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall annually certify compliance with all applicable requirements of Section 112(r) as detailed in Rule 213(4)(c)). **(40 CFR Part 68)**

Emission Trading

42. Emission averaging and emission reduction credit trading are allowed pursuant to any applicable interstate or regional emission trading program that has been approved by the Administrator of the USEPA as a part of Michigan's State Implementation Plan. Such activities must comply with Rule 215 and Rule 216. **(R 336.1213(12))**

Permit to Install (PTI)

43. The process or process equipment included in this permit shall not be reconstructed, relocated, or modified unless a PTI authorizing such action is issued by the department, except to the extent such action is exempt from the PTI requirements by any applicable rule.² **(R 336.1201(1))**
44. The department may, after notice and opportunity for a hearing, revoke PTI terms or conditions if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of the PTI or is violating the department's rules or the CAA.² **(R 336.1201(8), Section 5510 of Act 451)**
45. The terms and conditions of a PTI shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by the PTI. If a new owner or operator submits a written request to the department pursuant to Rule 219 and the department approves the request, this PTI will be amended to reflect the change of ownership or operational control. The request must include all of the information required by Subrules (1)(a), (b) and (c) of Rule 219. The written request shall be sent to the appropriate AQD District Supervisor, EGLE.² **(R 336.1219)**
46. If the installation, reconstruction, relocation, or modification of the equipment for which PTI terms and conditions have been approved has not commenced within 18 months of the original PTI issuance date, or has been interrupted for 18 months, the applicable terms and conditions from that PTI, as incorporated into the ROP, shall become void unless otherwise authorized by the department. Furthermore, the person to whom that PTI was issued, or the designated authorized agent, shall notify the department via the Supervisor, Permit Section, EGLE, AQD, P. O. Box 30260, Lansing, Michigan 48909, if it is decided not to pursue the installation, reconstruction, relocation, or modification of the equipment allowed by the terms and conditions from that PTI.² **(R 336.1201(4))**

Footnotes:

¹This condition is state-only enforceable and was established pursuant to Rule 201(1)(b).

²This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

B. SOURCE-WIDE CONDITIONS

Part B outlines the Source-Wide Terms and Conditions that apply to this stationary source. The permittee is subject to these special conditions for the stationary source in addition to the general conditions in Part A and any other terms and conditions contained in this ROP.

The permittee shall comply with all specific details in the special conditions and the underlying applicable requirements cited. If a specific condition type does not apply to this source, NA (not applicable) has been used in the table. If there are no Source-Wide Conditions, this section will be left blank.

SOURCE-WIDE CONDITIONS

DESCRIPTION

All process equipment at the facility including equipment covered by other permits, grand-fathered equipment, and exempt equipment.

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NO _x	224.9 tpy ²	Based on a 12 month rolling time period as determined at the end of each calendar month	SOURCE-WIDE	SC VI.1	R 336.1205(1)(a), R 336.1205(3)
2. CO	224.9 tpy ²	Based on a 12 month rolling time period as determined at the end of each calendar month	SOURCE-WIDE	SC VI.1	R 336.1205(1)(a), R 336.1205(3)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall keep, in a satisfactory manner, the following records for all process equipment at the facility including equipment covered by other permits, grandfathered equipment and exempt equipment:²
(R 336.1205(1)(a), R 336.1205(3))
 - a. Monthly diesel fuel usage, in gallons;²
 - b. Monthly jet-A fuel usage, in gallons;²
 - c. Monthly natural gas fuel usage, in cubic feet;²
 - d. Calendar dates included in the calculated emissions;²
 - e. Emission factors used to calculate emissions;²
 - f. Monthly and 12 month rolling time period NO_x and CO emission calculations, in tons.²

All records shall be kept on file for a period of at least five years and made available to the Department upon request.²

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

¹This condition is state-only enforceable and was established pursuant to Rule 201(1)(b).

²This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

C. EMISSION UNIT SPECIAL CONDITIONS

Part C outlines terms and conditions that are specific to individual emission units listed in the Emission Unit Summary Table. The permittee is subject to the special conditions for each emission unit in addition to the General Conditions in Part A and any other terms and conditions contained in this ROP.

The permittee shall comply with all specific details in the special conditions and the underlying applicable requirements cited. If a specific condition type does not apply, NA (not applicable) has been used in the table. If there are no conditions specific to individual emission units, this section will be left blank.

EMISSION UNIT SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUTURBINE	Model: Titan 130-20501S Axial - A natural gas-fired turbine, rated at 145 MMBtu/hr, equipped with SoLoNO _x ™, Solar's dry low emissions combustion system to reduce nitrogen oxides emissions (NO _x).	09-14-2011	NA
EUGEN	Model: QST30-G5 NR2 - A diesel fuel-fired (No. 2 fuel oil) engine generator with a nameplate capacity of 1,482 brake horsepower (bhp) at 1,800 revolutions per minute (rpm). The unit is equipped with a turbocharger to minimize emissions of nitrogen oxides (NO _x) and maximize power output. Note the engine is a starter engine for the turbine; it will not run on its own. It will only run to spin the turbine until the turbine can take over on its own power. It is designed to operate less than 1 hour per startup.	09-14-2011	NA
EU001	Lean burn, spark ignition, natural gas-fired, internal combustion engine (48.3 MMBtu/hr heat input) equipped with catalytic oxidation control. The engine drives an electrical generator rated at 5,760 kW. The equipment is located in Building 821.	12-01-1999	FGMETROENERGYENGINES
EU002	Lean burn, spark ignition, natural gas-fired, internal combustion engine (48.3 MMBtu/hr heat input) equipped with catalytic oxidation control. The engine drives an electrical generator rated at 5,760 kW. The equipment is located in Building 821.	12-01-1999	FGMETROENERGYENGINES

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU003	Lean burn, spark ignition, natural gas-fired, internal combustion engine (48.3 MMBtu/hr heat input) equipped with catalytic oxidation control. The engine drives an electrical generator rated at 5,760 kW. The equipment is located in Building 821.	12-01-1999	FGMETROENERGYENGINES
EU006	High temperature water generator (rated at 47 MMBtu/hr heat input when firing natural gas and 45 MMBtu/hr heat input when firing Jet-A fuel) with a low NO _x burner. The boiler is located in Building 821.	12-01-1999	FG002
EU007	High temperature water generator (rated at 47 MMBtu/hr heat input when firing natural gas and 45 MMBtu/hr heat input when firing Jet-A fuel) with a low NO _x burner. The boiler is located in Building 821.	12-01-1999	FG002
EU008	High temperature water generator (rated at 47 MMBtu/hr heat input when firing natural gas and 45 MMBtu/hr heat input when firing Jet-A fuel) with a low NO _x burner. The boiler is located in Building 821.	12-01-1999	FG002
EU009	Spark ignition reciprocating internal combustion engine (4 MMBtu/hr heat input) firing Jet-A fuel. The engine drives an emergency electrical generator.	12-01-1999	NA
EU012	Teledyne Model VW10101N09K1A natural gas fired boiler rated at 1.01 MMBtu/hr heat input. Boiler is located in Building 711.	12-01-1973	FGEXNATGASBOILERS
EU013	Teledyne Model VW10101N09K1A natural gas fired boiler rated at 1.01 MMBtu/hr heat input. Boiler is located in Building 711.	12-01-1973	FGEXNATGASBOILERS
EU016	Bryan Model L-56WT natural-gas fired boiler rated at 3.75 MMBtu/hr heat input. Boiler is located in Building 425.	12-01-1995	FGEXNATGASBOILERS
EUBLD802BOILER (EU017)	Weil-McLane water heater located in DTW Building 802, firing natural gas only, rated at 2.6 MMBtu/hr heat input. Boiler is located in Building 802.	12-01-1992	FGEXNATGASBOILERS
EUBLD704H2OHEAT	AO Smith water heater located in DTW Building 704, firing natural gas only, rated at 0.154 MMBtu/hr heat input. Boiler is located in Building 704.	12-01-1993	FGEXNATGASBOILERS

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUBLD825MACDECK	Four Lochinvar FTXL fire tube boilers, firing natural gas, each rated at 0.85 MMBtu/hr heat input. Boilers are located in Building 825.	12-01-2002	FGEXNATGASBOILERS
EUNEWBOILER1	Fire tube boiler capable of utilizing natural gas and fuel oil. The boiler has a steam production capacity of 17,200 pounds per hour of steam, a maximum rated heat input of 20.8 MMBtu/hr when burning natural gas, and a maximum rated heat input of 20.4 MMBtu/hr when burning fuel oil.	11-02-2012	FGNEWBOILERS
EUNEWBOILER2	Fire tube boiler capable of utilizing natural gas and fuel oil. The boiler has a steam production capacity of 17,200 pounds per hour of steam, a maximum rated heat input of 20.8 MMBtu/hr when burning natural gas, and a maximum rated heat input of 20.4 MMBtu/hr when burning fuel oil.	02-27-2013	FGNEWBOILERS
EUNEWBOILER3	Fire tube boiler capable of utilizing natural gas and fuel oil. The boiler has a steam production capacity of 17,200 pounds per hour of steam, a maximum rated heat input of 20.8 MMBtu/hr when burning natural gas, and a maximum rated heat input of 20.4 MMBtu/hr when burning fuel oil.	04-29-2013	FGNEWBOILERS
EUNEWBOILER4	Fire tube boiler capable of utilizing natural gas and fuel oil. The boiler has a steam production capacity of 17,200 pounds per hour of steam, a maximum rated heat input of 20.8 MMBtu/hr when burning natural gas, and a maximum rated heat input of 20.4 MMBtu/hr when burning fuel oil.	04-29-2013	FGNEWBOILERS
EUENGINE2	Cummins-Onan Model KTA50 G9, diesel emergency engine generator-set rated at 2,220 hp which drives a generator rated at 1,500kW. The generator-set is located in a semi-truck trailer outside of Building 703.	02-01-1999	NA
EUENGINE4	Caterpillar, model 3412 DT, diesel-fired stationary generator, rated at 500kW. The generator is located at the powerhouse (Building 611) and is used for emergency purposes.	12-01-1990	FGZZZEXISTINGRICE>500
EUENGINE9	Stationary, Caterpillar Model 3412, 558.5 kW, diesel fueled emergency generator, located in AVL 2.	12-01-2000	FGZZZEXISTINGRICE>500

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUENGINE13	Stationary, Caterpillar Model SR4B emergency engine generator-set rated at 2,153hp which drives a generator rated at 1,500kW. The generator-set is located at and serves the needs of Midfield Parking North.	04-01-2000	FG007, FGZZZEXISTINGRICE>500
EUENGINE14	Stationary, Caterpillar Model SR4B emergency engine generator-set rated at 2,153hp which drives a generator rated at 1,500kW. The generator-set is located at and serves the needs of Midfield Parking South.	04-01-2000	FG007, FGZZZEXISTINGRICE>500
EUENGINE15	Stationary, Cummins Model GTA19 natural gas-fired emergency generator rated at 495hp, located at 609 N Tunnel.	12-01-2001	FGEXEMERGENCYRICE≤500
EUENGINE17	Stationary, Caterpillar Model 558.5, diesel fueled emergency generator, rated at 749hp (Serial No. 81Z11011)	12-01-1985	FGZZZEXISTINGRICE>500
EUENGINE21	Stationary Cummins, 500kW diesel powered emergency generator located at Fire Hall 200.	12-01-2001	FGZZZEXISTINGRICE>500
EUENGINE22	Stationary Caterpillar, 205kW diesel-fired emergency generator located behind Fire Hall 100.	12-01-1992	FGEXEMERGENCYRICE≤500
EUENGINE27	Stationary, Caterpillar Model C32, diesel-fueled emergency generator rated at 1,000kW, with a displacement of 32.1 L, located at the North Terminal.	01-01-2008	FGSUBPARTIIIIENGINES
EUENGINE28	Stationary, Caterpillar Model C32, diesel-fueled emergency generator rated at 1,000kW, with a displacement of 32.1 L, located at the North Terminal.	01-01-2008	FGSUBPARTIIIIENGINES
EUENGINE29	Stationary, Cummins Model GGLB, natural gas-fired emergency generator rated at 150kW located at the North Terminal.	01-01-2008	FGSUBPARTJJJJENGINES
EUENGINE43	Stationary, Cummins Model DF EK, Manufacture date: April 2012, Diesel-fueled, 500kW, with a displacement of 14.9 L, airfield lighting vault emergency generator. The generator is located next to Fire Station 300.	10-01-2012	FGSUBPARTIIIIENGINES
EUENGINE44	Stationary, fire-pump engine, John Deere Model 6081HF001, Serial Number RG6081H125425, Manufacture Year 2000, 300hp @ 1800rpm, located near Building 425.	12-01-1995	FGEXEMERGENCYRICE≤500

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUENGINE45	Stationary, fire-pump engine, John Deere Model 6081HF001, Serial Number RG6081H125412, Manufacture Year 2000, 300hp @ 1800rpm, located near Building 425.	12-01-1995	FGEXEMERGENCYRICE≤500
EUENGINE46	Stationary, fire-pump engine, John Deere Model 6081HF001, Serial Number RG6081H125423, Manufacture Year 2000, 300hp @ 1800rpm, located near Building 425.	12-01-1995	FGEXEMERGENCYRICE≤500
EUENGINE47	Stationary, fire-pump engine, John Deere Model 6081HF001, Serial Number RG6081H125270, Manufacture Year 2000, 300hp @ 1800rpm, located near Building 425.	12-01-1995	FGEXEMERGENCYRICE≤500
EUENGINE48	Stationary, Generac Model QT08054GNSN, Serial Number 4365383 with Ford Serial Number OG622XA (5.4 Liter), natural gas-fired, 80kW, emergency engine, located near Fire Hall 300.	12-01-2006	FGEXEMERGENCYRICE≤500
EUENGINE49	Stationary, Caterpillar Model 1000SC2, emergency generator set, diesel-fueled, 1,000kW, with a displacement of 32.1 L located near building 610/Police.	12-01-2015	FGSUBPARTIIIIENGINES
EUENGINE50	Stationary, Caterpillar Model C27, Manufacture date: December 2013, emergency generator set, diesel-fueled, 750kW, with a displacement of 27.03 L, located near building 609/Life Safety.	12-01-2015	FGSUBPARTIIIIENGINES
EUENGINE51	Stationary, Briggs, natural gas-fired 12kW, emergency engine, located at the 607 Parking Deck.	12-01-2005	FGEXEMERGENCYRICE≤500
EUBLDG358TANK	One underground gasoline storage vessel with a maximum storage capacity of 4,000 gallons. This vessel is part of the storage and dispensing facilities used to refuel airport vehicles.	12-01-1999	FGFUELDISPENSING
EUBLDG601TANK	One underground gasoline storage vessel with a maximum storage capacity of 15,000 gallons. This vessel is part of the storage and dispensing facilities used to refuel airport vehicles.	01-01-2008	FGFUELDISPENSING
EUBLDG703TANK	One underground gasoline storage vessel with a maximum storage capacity of 12,000 gallons. This vessel is part of the storage and dispensing facilities used to refuel airport vehicles.	08-15-2016	FGFUELDISPENSING

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUBLDG802TANK	One underground gasoline storage vessel with a maximum storage capacity of 12,000 gallons. This vessel is part of the storage and dispensing facilities used to refuel airport vehicles.	12-01-2002	FGFUELDISPENSING
EUPAINTBOOTH	Maintenance Paint Spray Booth located in DTW Building 703	01-01-1997	FGRULE287(2)(c)
EUCOLDCLEANERS	<p>Three cold cleaners located at Building 704; each have a capacity of 15 gallons.</p> <p>Any cold cleaner that is grandfathered or exempt from Rule 201 pursuant to Rule 278 and Rule 281(2)(h) or Rule 285(2)(r)(iv) and was placed into operation prior to December 20, 2016.</p>	12-01-1993	FGCOLDCLEANERS

**EUTURBINE
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Model: Titan 130-20501S Axial - A natural gas-fired turbine, rated at 145 MMBtu/hr, equipped with SoLoNO_x™, Solar’s dry low emissions combustion system to reduce nitrogen oxides emissions (NO_x).

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Low NO_x burner (SoLoNO_x™)

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Visible Emissions	5 percent opacity ²	6-minute average except one 6-minute average per hour of not more than 10 percent	EUTURBINE	SC VI.2	R 336.1301(1)(c)
2. NO _x	0.06 lb/MMBtu ²	Hourly	EUTURBINE	SC V.1, SC V.3	R 336.1205(1)(a)
3. NO _x	8.7 pph ²	Hourly	EUTURBINE	SC V.1, SC V.3, SC VI.1, SC VI.5	40 CFR 52.21(c) & (d)
4. CO	0.061 lb/MMBtu ²	Hourly	EUTURBINE	SC V.1, SC V.3	R 336.1205(1)(a)
5. CO	8.8 pph ²	Hourly	EUTURBINE	SC V.1, SC V.3, SC VI.1, SC VI.5	40 CFR 52.21(d)

II. MATERIAL LIMIT(S)

1. The permittee shall only combust pipeline quality natural gas in EUTURBINE.² (R 336.1205(1)(a), R 336.1401, R 336.1702(a), 40 CFR 60.4330)

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate EUTURBINE for more than 1,250 hours per 12-month rolling time period as determined at the end of each calendar month.² (R 336.1205(1)(a), R 336.1225, R 336.1702(a), R 336.1901, 40 CFR 52.21(c) & (d))
2. The permittee shall not operate EUTURBINE unless a malfunction abatement plan (MAP) as described in Rule 911(2), has been submitted within 180 days of initial start-up, and is implemented and maintained. The MAP shall, at a minimum, specify the following:
 - a. A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement.

- b. An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures.
- c. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days, if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits.² **(R 336.1911)**

3. The permittee shall not operate EUTURBINE unless the AQD District Supervisor has approved a plan that describes how emissions will be minimized during start-up and shutdown. The plan shall incorporate procedures recommended by the equipment manufacturer as well as incorporating standard industry practices. Unless notified by the AQD District Supervisor within 30 business days after plan submittal, the plan shall be deemed approved.² **(R 336.1911, R 336.1912)**
4. The permittee shall not operate EUTURBINE except in accordance with the Start-up, Shutdown, and Malfunction Plan, approved by the AQD District Supervisor, for the minimization of emission during start-ups, shutdowns, and malfunctions. **(R 336.1213(3), R 336.1911, R 336.1912)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The maximum design heat input capacity of EUTURBINE shall not exceed 145 MMBtu per hour on a fuel heat input basis.² **(R 336.1205(1)(a))**
2. The permittee shall not operate EUTURBINE unless the low-NO_x burner (SoLoNO_xTM) is installed, maintained, and operated in a satisfactory manner.² **(40 CFR 52.21(c) & (d))**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. Once within five years from the previous test, verification of NO_x and CO emission rates and mass emissions from EU-Turbine at 50%, 70% and 100% loads or other loads as determined and approved by AQD, by testing at owner's expense, in accordance with Department requirements, will be required. No less than 60 days prior to testing, a complete test plan shall be submitted to the AQD Technical Programs Unit and District Office. The final plan must be approved by the AQD prior to testing. Verification of emission rates includes the submittal of a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test.² **(R 336.1205(1)(a), R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) & (d))**
2. Testing shall be performed using an approved EPA Method listed in 40 CFR Part 60, Appendix A. An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**
3. The permittee shall verify the NO_x and CO emission rates from EU-Turbine, at a minimum, every five years from the date of the last test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**
4. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. **(R 336.1213(3))**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition.² **(R 336.1205, 40 CFR 52.21(c) & (d))**
2. The permittee shall perform and document non-certified visible emissions observations as required in Emission Limit SC I.1 on a daily basis when EUTURBINE is operating. If during the observation there are any visible emissions detected from an emission point, a USEPA Method 9 certified visible emissions observation shall be conducted for a minimum of 15 minutes to determine the actual opacity from that emission point. Records of the non-certified visible emissions observations, USEPA Method 9 observations that are performed, the reason for any visible emissions observed and any corrective actions taken shall be kept on file and in a format acceptable to the AQD.² **(R 336.1301(1)(c))**
3. The permittee shall keep, in a satisfactory manner, a written log of the monthly hours of operation of EUTURBINE. The permittee shall keep all records on file and make them available to the Department upon request.² **(40 CFR 52.21(c) & (d))**
4. The permittee shall keep, in a satisfactory manner, a written log of the hours operated per 12-month rolling time period as determined at the end of each calendar month. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1213(3))**
5. The permittee shall maintain records of all information necessary for all notifications and reports as specified in these special conditions as well as that information necessary to demonstrate compliance with the emission limits of EUTURBINE. This information shall include, but shall not be limited to the following:
 - a. Compliance tests and any testing required under the special conditions of EUTURBINE;
 - b. Monitoring data;
 - c. Total sulfur content of the natural gas as required by 40 CFR 60.4365(a);
 - d. Verification of heat input capacity required to show compliance with SC IV.1;
 - e. Identification, type and the amounts of fuel combusted in EUTURBINE on a calendar month basis;
 - f. All records required by 40 CFR 60.7;
 - g. Records of the duration of all times EUTURBINE is operated under start-up or shutdown conditions as defined in SC III.3;
 - h. All calculations necessary to show compliance with the limits contained in EUTURBINE.

All of the above information shall be stored in a format acceptable to the Air Quality Division and shall be consistent with the requirements of 40 CFR 60.7(f).² **(R 336.1205(1)(a), R 336.1224, R 336.1225, R 336.1301, R 336.1331, R 336.1401, R 336.1702(a), R 336.1901, R 336.1912, 40 CFR 52.21(c) & (d), 40 CFR 60.7(f), 40 CFR 60.4365(a))**

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

4. The permittee shall submit any performance test reports to the AQD Technical Programs Unit and District Office, in a format approved by the AQD. **(R 336.1213(3)(c), R 336.2001(5))**
5. If EUTURBINE is operated for purposes other than allowed in the definition of “emergency combustion turbine” in 40 CFR Part 60 Subpart KKKK, then the permittee or the authorized agent pursuant to Rule 204, shall notify the AQD District Supervisor, in writing. Operating EUTURBINE for purposes other than those allowed in the definition of “emergency combustion turbine” will trigger the applicability of the nitrogen oxides emission limits in Subpart KKKK (40 CFR 60.4320).² **(R 336.1201(7)(a))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-TURBINE	72 ²	54 ²	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all provisions of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subparts A and KKKK, as they apply to EUTURBINE.² **(40 CFR Part 60, Subparts A and KKKK)**

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

² This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**EUGEN
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Model: QST30-G5 NR2 - A diesel fuel-fired (No. 2 fuel oil) engine generator with a nameplate capacity of 1,482 brake horsepower (bhp) at 1,800 revolutions per minute (rpm). The unit is equipped with a turbocharger to minimize emissions of nitrogen oxides (NO_x) and maximize power output. Note the engine is a starter engine for the turbine; it will not run on its own. It will only run to spin the turbine until the turbine can take over on its own power. It is designed to operate less than 1 hour per startup.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

The unit is equipped with a turbocharger to minimize emissions of nitrogen oxides (NO_x) and maximize power output.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	0.15 g/HP-hr ²	Hourly	EUGEN	SC V.1, SC VI.1, SC VI.2, SC VI.3, SC VII.5	R 336.1331(1)(c), 40 CFR 60.4205(b)
2. NMHC + NO _x	4.8 g/HP-hr ²	Hourly	EUGEN	SC V.1, SC VI.1, SC VI.2, SC VI.3, SC VII.5	R 336.1702, 40 CFR 52.21(c) & (d), 40 CFR 60.4205(b)
3. CO	2.6 g/HP-hr ²	Hourly	EUGEN	SC V.1, SC VI.1, SC VI.2, SC VI.3, SC VII.5	40 CFR 52.21(d), 40 CFR 60.4205(b)

II. MATERIAL LIMIT(S)

1. The permittee shall only burn diesel fuel, in EUGEN, that meets the requirements of 40 CFR 80.510(b), as follows²:
 - a. Maximum sulfur content of 15 ppm per gallon, and
 - b. A minimum Cetane index of 40 or a maximum aromatic content of 35 volume percent.
(40 CFR 60.4207(b))

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall operate and maintain EUGEN according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the manufacturer to ensure compliance with the applicable emission standards in 40 CFR 60.4205(b).² **(R 336.1911, 40 CFR 60.4205(b), 40 CFR 60.4206, 40 CFR 60.4211(c))**

2. The permittee shall not operate EUGEN for more than 500 hours per 12-month rolling time period as determined at the end of each calendar month. The 500 hours includes the hours for the purpose of necessary maintenance checks and readiness testing as described in SC III.3.² **(R 336.1205(1)(a))**
3. The permittee may operate EUGEN for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. EUGEN may operate up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing. Except as provided in 40 CFR 60.4211(f)(3)(i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for the permittee to supply non-emergency power as part of a financial arrangement with another entity.² **(40 CFR 60.4211(f))**
4. If the permittee purchased a certified engine, according to procedures specified in 40 CFR Part 60 Subpart IIII, for the same model year and maximum engine power, the permittee shall meet the following requirements for EUGEN:
 - a. Operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions;
 - b. Change only those emission-related settings that are permitted by the manufacturer; and
 - c. Meet the requirements as specified in 40 CFR 89, 94, and/or 1068, as they apply to you.If you do not operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions, the engine may be considered a non-certified engine.² **(40 CFR 60.4211(a) & (c))**
5. If the permittee purchased a non-certified engine or a certified engine operating in a non-certified manner, the permittee shall keep a maintenance plan for EUGEN and shall, to the extent practicable, maintain and operate engine in a manner consistent with good air pollution control practice for minimizing emissions.² **(40 CFR 60.4211(g)(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain EUGEN with a non-resettable hour meter to track the number of hours the engine operates.² **(R 336.1205(1)(a), 40 CFR 60.4209(a))**
2. EUGEN shall not exceed a nameplate capacity of 1,428 BHP.² **(R 336.1205(1)(a), 40 CFR Part 72.2)**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. If EUGEN is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee must demonstrate compliance as follows:
 - a. Conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.
 - b. If a performance test is required, the performance tests shall be conducted according to 40 CFR 60.4212.
 - c. Conduct subsequent performance testing every 8,760 hours of engine operation or every 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.No less than 30 days prior to testing, a complete test plan shall be submitted to the AQD. Verification of emission rates includes the submittal of a complete report of the test results to the AQD within 60 days following the last date of the test.² **(40 CFR 60.4211(g)(3) , 40 CFR 60.4212)**

2. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. **(R 336.1213(3))**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition.² **(R 336.1205, 40 CFR 52.21(c) & (d))**
2. The permittee shall keep, in a satisfactory manner, the following records for EUGEN:
 - a. For a certified engine: The permittee shall keep records of the manufacturer certification documentation.
 - b. For an uncertified engine: The permittee shall keep records of testing required in SC V.1.The permittee shall keep all records on file and make them available to the Department upon request.² **(40 CFR 60.4211)**
3. The permittee shall keep, in a satisfactory manner, the following records of maintenance activity for EUGEN:
 - a. For a certified engine: The permittee shall keep records of the manufacturer's emission-related written instructions, and records demonstrating that the engine has been maintained according to those instructions, as specified in SC III.4.
 - b. For an uncertified engine: The permittee shall keep records of a maintenance plan, as required by SC III.5, and maintenance activities.The permittee shall keep all records on file and make them available to the Department upon request.² **(40 CFR 60.4211)**
4. The permittee shall monitor and record the total hours of operation and the hours of operation during non-emergencies for EUGEN, on a monthly and 12-month rolling time period basis, in a manner acceptable to the District Supervisor, Air Quality Division. The permittee shall document how many hours are spent for emergency operation of EUGEN, including what classified the operation as emergency.² **(R 336.1205(1)(a), 40 CFR 60.4211, 40 CFR 60.4214)**
5. The permittee shall keep, in a satisfactory manner, fuel supplier certification records or fuel sample test data, for each delivery of diesel fuel oil used in EUGEN, demonstrating that the fuel meets the requirement of 40 CFR 80.510(b). The certification or test data shall include the name of the oil supplier or laboratory, the sulfur content, and cetane index or aromatic content of the fuel oil.² **(40 CFR 60.4207, 40 CFR 80.510(b))**

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit any performance test reports to the AQD Technical Programs Unit and District Office, in a format approved by the AQD. **(R 336.1213(3)(c), R 336.2001(5))**
5. The permittee shall submit a notification specifying whether EUGEN will be operated in a certified or a non-certified manner to the AQD District Supervisor, in writing, within 30 days following permit issuance and within 30 days of switching the manner of operation.² **(40 CFR Part 60 Subpart III)**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-GEN	13 ²	16 ²	R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all provisions of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subparts A and IIII, as they apply to EUGEN.² **(40 CFR Part 63, Subparts A and IIII)**
2. The permittee shall comply with all provisions of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 63 Subpart ZZZZ, as they apply to EUGEN.² **(40 CFR Part 63, Subpart ZZZZ)**

Footnotes:

¹This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

²This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

EU009
EMISSION UNIT CONDITIONS

DESCRIPTION

Spark ignition, reciprocating internal combustion engine (4 MMBtu/hr heat input) firing Jet-A fuel. The engine drives an emergency electrical generator.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall burn only Jet-A fuel in EU009.² (R 336.1205(1)(a), R 336.1205(3), R 336.1702(a))
2. The permittee shall not operate EU009 for more than 500 hours per 12-month rolling time period as determined at the end of each calendar month.² (R 336.1205(1)(a), R 336.1205(3), R 336.1702(a))

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

1. The permittee shall keep, in a satisfactory manner, records of the monthly hours of operation for EU009. All records shall be kept on file for a period of at least five years and made available to the Department upon request.² (R 336.1205(1)(a), R 336.1205(3), R 336.1702(a))

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR, Part 63, Subpart A and Subpart ZZZZ, for Stationary Reciprocating Internal Combustion Engines by the initial compliance date. **(40 CFR 63.6595(a)(2), 40 CFR Part 63 Subparts A and ZZZZ)**

Footnotes:

¹This condition is state-only enforceable and was established pursuant to Rule 201(1)(b).

²This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**EUENGINE2
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Cummins-Onan Model KTA50 G9, diesel emergency engine generator-set rated at 2,220 hp which drives a generator rated at 1,500kW. The generator-set is located in a semi-truck trailer outside of Building 703.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NO _x	550 lb/1,000 gallons of fuel oil ²	Hourly	EUENGINE2	SC V.1	R 336.1205(3)

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. No. 2 fuel oil	60,000 gallons ²	12 month rolling time period as determined at the end of each calendar month ²	EUENGINE2	SC VI.1	R 336.1205(3), R 336.1225, R 336.1702(a)
2. No. 2 fuel oil	0.3 percent sulfur by weight ²	NA	EUENGINE2	SC VI.3	R 336.1205(3), R 336.1402

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall burn only diesel fuel in EUENGINE2.² (R 336.1225, R 336.1702(a))

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

1. If the permittee exceeds 12,000 gallons of fuel oil combusted in EUENGINE2, in any 12 month rolling time period, the permittee shall verify NO_x emission rates from EUENGINE2, by testing at the owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in 40 CFR Part 60, Appendix A. An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The

permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

2. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. **(R 336.1213(3))**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall monitor, in a satisfactory manner, the diesel fuel oil usage rate for EUENGINE2 on a monthly basis.² **(R 336.1213(3), R 336.1205(3), R 336.1225, R 336.1702(a))**
2. The permittee shall keep, in a satisfactory manner, monthly fuel use records for EUENGINE2. All records shall be kept on file for a period of at least five years and made available to the Department upon request.² **(R336.1205(3), R336.1225, R336.1702(a))**
3. The permittee shall maintain records of the sulfur content (percent by weight) of the fuel oil used in EUENGINE2 for each fuel oil delivery. All records shall be kept on file for a period of at least five years and made available to the Department upon request.² **(R 336.1205(3))**
4. All required calculations shall be completed in a format acceptable to the AQD District Supervisor and made available by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition.² **(R336.1205(3), R336.1225, R336.1702(a))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit any performance test reports to the AQD Technical Programs Unit and District Office, in a format approved by the AQD. **(R 336.1213(3)(c), R 336.2001(5))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR, Part 63, Subpart A and Subpart ZZZZ, for Stationary Reciprocating Internal Combustion Engines by the initial compliance date. **(40 CFR 63.6595(a)(2), 40 CFR Part 63 Subparts A and ZZZZ)**

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

² This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

D. FLEXIBLE GROUP SPECIAL CONDITIONS

Part D outlines the terms and conditions that apply to more than one emission unit. The permittee is subject to the special conditions for each flexible group in addition to the General Conditions in Part A and any other terms and conditions contained in this ROP.

The permittee shall comply with all specific details in the special conditions and the underlying applicable requirements cited. If a specific condition type does not apply, NA (not applicable) has been used in the table. If there are no special conditions that apply to more than one emission unit, this section will be left blank.

FLEXIBLE GROUP SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGMETROENERGYENGINES	Three lean burn, natural gas fired, spark ignition, reciprocating internal combustion engines, each rated at 48.3 MMBtu/hr and equipped with catalytic oxidation controls. These emission units are located in the Midfield Terminal Energy Facility portion of the Airport (Building 821).	EU001, EU002, EU003
FG002	Three high temperature water generators equipped with low NO _x burners, each rated at 47 MMBtu/hr heat input when firing natural gas and 45 MMBtu/hr when firing Jet-A kerosene. These boilers are subject to 40 CFR Part 60, Subpart Dc – the Standards of Performance for Small Industrial, Commercial, Institutional Steam Generating Units and 40 CFR Part 63, Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. These emission units are located in the Midfield Terminal Energy Facility portion of the Airport (Building 821).	EU006, EU007, EU008
FGNEWBOILERS	Four natural gas-fired and fuel oil-fired fire tube boilers. Each boiler has a steam production capacity of 17,200 pounds per hour of steam and has a maximum rated heat input of 20.8 MMBtu/hr when burning natural gas and a maximum rated heat input of 20.4 MMBtu/hr when burning fuel oil. These boilers are subject to 40 CFR Part 60 Subpart Dc, The Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, and 40 CFR Part 63 Subpart DDDDD, the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters.	EUNEWBOILER1, EUNEWBOILER2, EUNEWBOILER3, EUNEWBOILER4

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGEXNATGASBOILERS	Requirements for existing natural gas boilers with a heat input capacity of <10 MMBTU/hr for major sources of HAP emissions per 40 CFR Part 63, Subpart DDDDD (Boiler MACT).	EU012, EU013, EU016, EUBLD802BOILER (EU017), EUBLD704H2OHEAT, EUBLD825MACDECK
FG007	Two 1,500 kW diesel-fired emergency generator sets, each rated at 2,153 horsepower. The generators are located at and serve the needs of the McNamara Terminal's parking deck.	EUENGINE13, EUENGINE14
FGZZZEXISTINGRICE>500	Existing (constructed before 12/9/2002), stationary, emergency, engines with ratings greater than 500 HP, located at a major source of HAP emissions, subject to 40 CFR Part 63 Subpart ZZZZ - The National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.	EUENGINE4, EUENGINE9, EUENGINE13, EUENGINE14, EUENGINE17, EUENGINE21
FGEXEMERGENCYRICE≤500	Existing (constructed before 06/12/2006), stationary emergency, compression ignition and spark ignition engines, with ratings less than or equal to 500 HP, located at a major source of HAP emissions, subject to 40 CFR Part 63 Subpart ZZZZ - The National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.	EUENGINE15, EUENGINE22, EUENGINE44, EUENGINE45, EUENGINE46, EUENGINE47, EUENGINE48, EUENGINE51
FGSUBPARTIIIIENGINES	New, stationary, emergency, diesel fueled, engines with ratings greater than 500 HP, located at a major source of HAP emissions, subject to 40 CFR Part 63 Subpart ZZZZ - The National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and 40 CFR Part 60 Subpart IIII – The Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.	EUENGINE27, EUENGINE28, EUENGINE43, EUENGINE49, EUENGINE50
FGSUBPARTJJJJENGINES	New, stationary, emergency, natural gas fueled, engines, located at a major source of HAP emissions, subject to 40 CFR Part 63 Subpart ZZZZ- The National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and 40 CFR Part 60 Subpart JJJJ-The Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	EUENGINE29
FGFUELDISPENSING	Equipment associated with storage and dispensing of fuel used to refuel airport vehicles. This equipment consists of five underground storage vessels and corresponding dispensing equipment.	EUBLDG358TANK, EUBLDG601TANK, EUBLDG703TANK1, EUBLDG703TANK2, EUBLDG802TANK

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGRULE287(2)(c)	Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rule 278, Rule 278a and Rule 287(2)(c). Emission units installed/modified before December 20, 2016, may show compliance with Rule 287 in effect at the time of installation/modification.	EUPAINTBOOTH
FGCOLDDCLEANERS	Any cold cleaner that is grandfathered or exempt from Rule 201 pursuant to Rule 278, Rule 278a and Rule 281(2)(h) or Rule 285(2)(r)(iv). Existing cold cleaners were placed into operation prior to July 1, 1979. New cold cleaners were placed into operation on or after July 1, 1979.	EUCOLDCLEANERS

**FGMETROENERGYENGINES
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Three lean burn, natural gas fired, spark ignition, reciprocating internal combustion engines, each rated at 48.3 MMBtu/hr and equipped with catalytic oxidation controls. These emission units are located in the Midfield Terminal Energy Facility portion of the Airport (Building 821).

Emission Units: EU001, EU002, EU003

POLLUTION CONTROL EQUIPMENT

Catalytic oxidizers

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NO _x	0.21 lb/MMBtu ²	Hourly	EU001, EU002, EU003, individually	SC V.1	R 336.1205(1)(a), R 336.1205(3)
2. CO	0.17 lb/MMBtu ²	Hourly	EU001, EU002, EU003, individually	SC V.1	R 336.1205(1)(a), R 336.1205(3)
3. VOC	0.09 lb/MMBtu ²	Hourly	EU001, EU002, EU003, individually	SC V.1	R 336.1702(a)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall burn only natural gas in FGMETROENERGYENGINES.² (R 336.1205(1)(a), R 336.1205(3))
2. The permittee shall not operate any unit in FGMETROENERGYENGINES unless each catalytic oxidizer control is installed, maintained and operated in a satisfactory manner.² (R 336.1205(1)(a), R 336.1205(3), (40 CFR 64.4(e))
3. The permittee shall not operate any unit in FGMETROENERGYENGINES unless the Malfunction Abatement Plan (MAP), as described in Rule 911(2) or an alternate plan approved by the AQD District Supervisor, is implemented and maintained. If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. (R 336.1910, R 336.1911, R 336.1912, 40 CFR 64.6(c)(1)(i and ii), 40 CFR 64.7(d))

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall install, calibrate, and maintain devices, for each unit in FGMETROENERGYENGINES, to continuously monitor the catalyst inlet temperatures and the catalyst bed outlet temperatures. **(64.6(c)(1)(ii))**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. Within 180 days of the ROP issuance, the permittee shall verify NO_x, CO, and VOC emission rates from EU001, EU002, and EU003, by testing at owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in 40 CFR Part 60, Appendix A. An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**
2. The permittee shall verify the NO_x, CO, and VOC emission rates from EU001, EU002, and EU003, at a minimum, every five years from the date of the previous test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**
3. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. **(R 336.1213(3))**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall keep, in a satisfactory manner, monthly records of the natural gas use for EU001, EU002, and EU003.² **(R 336.1205(1)(a), R 336.1205(3), R 336.1702(a))**
2. The permittee shall continuously monitor the catalyst bed inlet and outlet temperatures, and record temperatures on a daily basis, as an indicator of proper operation of the catalytic oxidizer. **(40 CFR 64.6(c)(1)(i and ii))**
3. The permittee shall keep daily records of the change in temperature across the catalyst bed as an indicator of the proper operation of the catalytic oxidizer. **(40 CFR 64.6(c)(1)(i and ii))**
4. The permittee shall utilize temperature monitoring devices as indicators of proper operation of each catalyst. The appropriate temperature range defining proper operation of each catalyst is >572 °F , less than 1112 °F or identified in the MAP. **(40 CFR 64.6(c)(1)(i and ii))**
5. An excursion shall be a catalyst inlet temperature monitoring device reading of less than 572°F or greater than 1112°F or a temperature rise across the catalyst of zero or a negative number. **(40 CFR 64.6(c)(2))**
6. Upon detecting an excursion of an inlet catalytic oxidizer temperature, the permittee shall check loading on the engine, check for faulty gauges, or faulty temperature monitoring devices, and check for proper operation of the ignition system. **(40 CFR 64.7(d))**
7. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities, the permittee shall conduct all monitoring in continuous operation at all times that the pollutant specific emission unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for 40 CFR Part 64 compliance, including data averages and calculations or fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonable preventable failure of the monitoring to provide valid data. Monitoring malfunctions that are caused in part by poor maintenance or careless operation are not malfunctions. **(40 CFR 64.6(c)(3), 40 CFR 64.7(c))**

8. The permittee shall properly maintain the monitoring system including keeping necessary parts for routine repair of the monitoring equipment. **(40 CFR 64.7(b))**
9. The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan and any activities undertaken to implement a quality improvement plan, and other information such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions. **(40 CFR 64.9(b)(1))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Each semiannual report of monitoring and deviations shall include summary information on the number, duration and cause of excursions and/or exceedances and the corrective actions taken. If there were no excursions or exceedances in the reporting period, this this report shall include a statement that there were no excursions and/or exceedances. **(40 CFR 64.9(a)(2)(i))**
5. Each semiannual report of monitoring and deviations shall include summary information on monitor downtime. If there were no periods of monitor downtime in the reporting period, then this report shall include a statement that there were no periods of monitor downtime. **(40 CFR 64.9(a)(2)(ii))**
6. The permittee shall submit any performance test reports to the AQD Technical Programs Unit and District Office, in a format approved by the AQD. **(R 336.1213(3)(c), R 336.2001(5))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV001	36 ²	40 ²	R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d)
2. SV002	36 ²	40 ²	R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d)
3. SV003	36 ²	40 ²	R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d)

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable requirements of 40 CFR Part 64. **(40 CFR Part 64)**
2. If the permittee and/or the AQD identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the AQD and if necessary, submit a proposed modification of the CAM plan to address the necessary monitoring changes. Such a modification may include but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. **(40 CFR 64.7(e))**
3. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart ZZZZ, for Stationary Reciprocating Internal Combustion Engines by the initial compliance date. **(40 CFR 63.6595, 40 CFR Part 63, Subparts A and ZZZZ)**

Footnotes:

¹This condition is state-only enforceable and was established pursuant to Rule 201(1)(b).

²This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG002
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Three high temperature water generators, each rated at 47 MMBtu/hr heat input when firing natural gas and 45 MMBtu/hr when firing Jet-A fuel oil. These emission units are subject to 40 CFR Part 60, Subpart Dc – the Standards of Performance for Small Industrial, Commercial, Institutional Steam Generating Units, and 40 CFR Part 63, Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. These emission units are located in the Midfield Terminal Energy Facility portion of the Airport (Building 821).

Emission Unit: EU006, EU007, EU008

POLLUTION CONTROL EQUIPMENT

Low NO_x burners

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NO _x	0.15 lb/MMBtu ²	Hourly, when firing natural gas	EU006, EU007, EU008, individually	SC V.1, SC V.2	R 336.1205(1)(a), R 336.1205(3)
2. NO _x	0.3 lb/MMBtu ²	Hourly, when firing Jet-A fuel oil	EU006, EU007, EU008, individually	SC V.1, SC V.2	R 336.1205(1)(a), R 336.1205(3)
3. CO	0.20 lb/MMBtu ²	Hourly	EU006, EU007, EU008, individually	SC V.1, SC V.2.	R 336.1205(1)(a), R 336.1205(3)
4. VOC	0.20 lb/MMBtu ²	Hourly	EU006, EU007, EU008, individually	SC V.1, SC V.2.	R 336.1702(a)
5. Visible emissions	20 percent opacity ²	Six minute average, when firing Jet-A fuel oil	EU006, EU007, EU008, individually	SC V.4	R 336.1301(1), 40 CFR 60.43c(c), 40 CFR 60.43c(d)

II. MATERIAL LIMIT(S)

1. The sulfur content of the Jet-A fuel oil burned in in EU006, EU007, and EU008, shall not exceed 0.30 percent by weight.² (R 336.1402(3), 40 CFR 60.42c(d))

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall burn only natural gas or Jet-A fuel oil in EU006, EU007, and EU008.² (R 336.1205(1)(a))
2. The permittee shall only use Jet-A fuel oil as an emergency fuel in EU006, EU007, and EU008.² (R 336.1205(1)(a), R 336.1205(3), R 336.1702(a))

3. The permittee shall only burn fuels as allowed in the Unit designed to burn gas 1 subcategory definition in 40 CFR 63.7575. **(40 CFR 63.7499(l))**
4. The permittee must meet the requirements in paragraphs (a)(1) and (3) of 40 CFR 63.7500, as listed below. The permittee must meet these requirements at all times the affected unit is operating, except during periods of startup and shutdown. **(40 CFR 63.7500(a), 40 CFR 63.7500(f))**
 - a. The permittee must meet each work practice standard in Table 3 of 40 CFR Part 63, Subpart DDDDD that applies to the boiler or process heater, for each boiler or process heater at the source. **(40 CFR 63.7500(a)(1))**
 - b. At all times, the permittee must operate and maintain any affected source (as defined in 40 CFR 63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. **(40 CFR 63.7500(a)(3))**
 - c. As provided in 40 CFR 63.6(g), the EPA may approve use of an alternative to the work practice standards. **(40 CFR 63.7500(a)(3)(b))**
5. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 of 40 CFR Part 63, Subpart DDDDD, or the operating limits in Table 4 of 40 CFR Part 63, Subpart DDDDD. Boilers and process heaters in the units designed to burn gas 1 fuel subcategory with a heat input capacity greater than 10 million Btu per hour must complete a tune-up annually. Each annual tune-up specified in 40 CFR 63.7540(a)(10), stated in SC IX.5.a, must be no more than 13 months after the previous tune-up. **(40 CFR 63.7500, 40 CFR 63.7515(d), Table 3 of 40 CFR Part 63, Subpart DDDDD)**
6. For startup and shutdown, the permittee must meet the work practice standards according to items 5 and 6 of Table 3 of 40 CFR Part 63, Subpart DDDDD. **(40 CFR 63.7540(d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. Verification of NO_x, CO, and VOC emission rates from each boiler burning natural gas, in accordance with Department requirements, will be required. Testing shall be completed once every five years from the previous test and may be coordinated with the ROP issuance, in which case testing shall be conducted within six months of the RO permit issuance date. If Jet-A fuel oil is used during the five year period (except for scheduled and required maintenance), verification of NO_x, CO, and VOC emission rates from each boiler burning Jet-A fuel, may be required upon request of the AQD District Supervisor. No less than 60 days prior to testing, a complete test plan shall be submitted to the AQD Technical Programs Unit and District Office. The final plan must be approved by the AQD prior to testing. Verification of emission rates includes the submittal of a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test.² **(R336.1205(1)(a) and (3), R336.1702, R336.2001, R336.2003, R336.2004)**
2. The permittee shall verify the NO_x, CO, and VOC emission rates from EU006, EU007, and EU008, at a minimum, every five years from the date of the previous test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**
3. Testing shall be performed using an approved EPA Method listed in 40 CFR Part 60, Appendix A. An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**
4. Per the requirements in the Federal Standards of Performance for New Stationary Sources, visible emissions from EU006, EU007, and EU008, when firing Jet-A fuel oil, shall be evaluated, at owner's expense, in accordance with 40 CFR Part 60 Subparts A and Dc. The evaluation of visible emissions may be conducted concurrently

with the emissions testing required in the previous condition (V.1). Visible emission observation procedures must have prior approval by the AQD. Verification of visible emissions includes the submittal of a complete report of opacity observations to the AQD Technical Programs Unit and District Office within 60 days following the last date of the evaluation.² **(R 336.1301, 40 CFR 60.45c(a))**

5. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. **(R 336.1213(3))**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall maintain, in a manner satisfactory to the AQD, monthly records of the natural gas usage and Jet-A fuel oil use in EU006, EU007, and EU008.² **(40 CFR 60.48c(g)(2), R 336.1205(1)(a), R 336.1205(3), R 336.1702(a))**
2. The permittee shall comply with the notification requirements in 40 CFR 60.48c (a) for the EU006, EU007, and EU008.² **(40 CFR Part 60 Subpart Dc, 60.48c(a))**
3. The permittee shall maintain records of the Jet-A fuel oil supplier certification. The fuel supplier certification shall include:² **(40 CFR 60.48c(e) and (f))**
 - a. Calendar dates covered in the reporting period.² **(40 CFR 60.48c(e)(1))**
 - b. The name of the fuel supplier.² **(40 CFR 60.48c(f)(1)(i))**
 - c. A statement from the fuel supplier that the fuel complies with the specifications under the definition of distillate oil in 40 CFR 60.41c.² **(40 CFR 60.48c(f)(1)(ii))**
 - d. The sulfur content or maximum sulfur content of the fuel.² **(40 CFR 60.48c(f)(1)(iii))**
4. The permittee shall maintain records for all visual observations performed. These records shall include: **(40 CFR 60.48c(c))**
 - a. Dates and time intervals of all opacity observation periods. **(40 CFR 60.48c(c)(1)(i), 40 CFR 60.48c(c)(2)(i))**
 - b. Name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test. **(40 CFR 60.48c(c)(1)(ii), 40 CFR 60.48c(c)(2)(ii))**
 - c. Copies of all visible emission observer opacity field data sheets. **(40 CFR 60.48c(c)(1)(iii), 40 CFR 60.48c(c)(2)(iii))**
 - d. Documentation of any adjustments made and the time the adjustments were completed to the affected facility operation by permittee to demonstrate compliance with the applicable monitoring requirements. **(40 CFR 60.48c(c)(2)(iv))**
5. The permittee shall maintain the following records as required in paragraphs (a)(1) and (2) of 40 CFR 63.7555, **(40 CFR 63.7555(a))**
 - a. A copy of each notification and report that the permittee submitted to comply with 40 CFR Part 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that the permittee submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv). **(40 CFR 63.7555(a)(1))**
 - b. Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR 63.10(b)(2)(viii). **(40 CFR 63.7555(a)(2))**
6. If the permittee operates a unit in the unit designed to burn gas 1 subcategory that is subject to 40 CFR Part 63, Subpart DDDDD, and the permittee uses an alternative fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart under 40 CFR Part 63, other gas 1 fuel, or gaseous fuel subject to another subpart of 40 CFR Part 63 or Parts 60, 61, or 65, the permittee must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies. **(40 CFR 63.7555(h))**
7. The permittee's records shall be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). **(40 CFR 63.7560(a))**

8. As specified in 40 CFR 63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. **(40 CFR 63.7560(b))**
9. The permittee shall keep each record on site, or they must be accessible from on-site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The permittee can keep the records off site for the remaining 3 years. **(40 CFR 63.7560(c))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit any performance test reports to the AQD Technical Programs Unit and District Office, in a format approved by the AQD. **(R 336.1213(3)(c), R 336.2001(5))**
5. The permittee shall submit semiannual reports of the information contained in SC VI.3. The report shall include a certified statement that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period. **(40 CFR 60.48c(d), 40 CFR 60.48c(e)(11), 40 CFR 60.48c(j))**
6. The permittee shall meet the notification requirements in 40 CFR 63.7545 according to the schedule in 40 CFR 63.7545, and in Subpart A of 40 CFR Part 63. **(40 CFR 63.7495(d))**
7. The permittee shall submit to the department all the notifications in 40 CFR 63.7(b) and (c), 40 CFR 63.8(e), (f)(4) and (6), and 40 CFR 63.9(b) through (h) that apply to the permittee by the dates specified. **(40 CFR 63.7545(a))**
8. If the permittee operates a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that is subject to 40 CFR Part 63, Subpart DDDDD, and the permittee intends to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart of 40 CFR Part 63, Part 60, Part 61, or Part 65, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in 40 CFR 63.7575, the permittee must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in 40 CFR 63.7575. The notification must include the information specified in paragraphs (f)(1) through (5) of 40 CFR 63.7545, as listed below. **(40 CFR 63.7545(f))**
 - a. Company name and address. **(40 CFR 63.7545(f)(1))**
 - b. Identification of the affected unit. **(40 CFR 63.7545(f)(2))**
 - c. Reason the permittee is unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began. **(40 CFR 63.7545(f)(3))**
 - d. Type of alternative fuel that the permittee intends to use. **(40 CFR 63.7545(f)(4))**
 - e. Dates when the alternative fuel use is expected to begin and end. **(40 CFR 63.7545(f)(5))**
9. If the permittee has switched fuels or made a physical change to the boiler or process heater and the fuel switch or physical change resulted in the applicability of a different subcategory, the permittee shall provide notice of the date upon which the permittee switched fuels or made the physical change within 30 days of the switch/change. The notification must identify: **(40 CFR 63.7545(h))**
 - a. The name of the owner or operator of the affected source, as defined in 40 CFR 63.7490, the location of the source, the boiler(s) and process heater(s) that have switched fuels, were physically changed, and the date of the notice. **(40 CFR 63.7545(h)(1))**
 - b. The currently applicable subcategory under 40 CFR Part 63, Subpart DDDDD. **(40 CFR 63.7545(h)(2))**
 - c. The date upon which the fuel switch or physical change occurred. **(40 CFR 63.7545(h)(3))**

10. The permittee shall submit each report in Table 9 of 40 CFR Part 63, Subpart DDDDD that applies. Unless the EPA Administrator has approved a different schedule for submission of reports under 40 CFR 63.10(a), the permittee must submit each report, according to paragraph (h) of 40 CFR 63.7550 by the date in Table 9 of 40 CFR Part 63, Subpart DDDDD and according to the requirements in paragraphs (b)(1) through (4) of 40 CFR 63.7550, as listed below. For units that are subject only to a requirement to conduct an annual tune-up according to 40 CFR 63.7540(a)(10), and not subject to emission limits or Table 4 operating limits, the permittee may submit only an annual, as specified in paragraphs (b)(1) through (4) of 40 CFR 63.7550, as listed below, instead of a semi-annual compliance report. **(40 CFR 63.7550(a) and (b))**
 - a. The first semi-annual compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495, and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for the source in 40 CFR 63.7495. If submitting an annual, biennial, or 5-year compliance report, the first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495 and ending on December 31 within 1, 2, or 5 years, as applicable, after the January 31, 2016 compliance date. **(40 CFR 63.7550(b)(1))**
 - b. The first semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31. **(40 CFR 63.7550(b)(2), (40 CFR 63.10(a)(5))**
 - c. Each subsequent semi-annual compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1, 2, or 5-year periods from January 1 to December 31. **(40 CFR 63.7550(b)(3))**
 - d. Each subsequent semi-annual compliance report must be postmarked or submitted no later than September 15 or March 15, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than March 15. **(40 CFR 63.7550(b)(4), (40 CFR 63.10(a)(5))**
11. The first and subsequent compliance reports may be submitted according to the dates specified in SC VII.2 for semi-annual ROP reporting. **(40 CFR 63.7550(b)(5))**
12. A compliance report must contain the following information depending on how the permittee chooses to comply with the limits set in this rule. **(40 CFR 63.7550(c))**
 - a. If the facility is subject to the requirements of a tune up the permittee must submit a compliance report with the information listed in 40 CFR 63.7550(c)(5). **(40 CFR 63.7550(c)(1))**
 - b. 40 CFR 63.7550(c)(5) is as follows:
 - i. Company and Facility name and address. **(40 CFR 63.7550(c)(5)(i))**
 - ii. Process unit information, emissions limitations, and operating parameter limitations. **(40 CFR 63.7550(c)(5)(ii))**
 - iii. Date of report and beginning and ending dates of the reporting period. **(40 CFR 63.7550(c)(5)(iii))**
 - iv. The total operating time during the reporting period. **(40 CFR 63.7550(c)(5)(iv))**
 - v. The total fuel use by each individual boiler or process heater subject to an emission limit within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the EPA or the basis for concluding that the fuel is not a waste, and the total fuel usage amount with units of measure. **(40 CFR 63.7550(c)(5)(vi))**
 - vi. A summary of any fuel specification analyses conducted according to 40 CFR 63.7521(f) and 40 CFR 63.7530(g). **(40 CFR 63.7550(c)(5)(x))**
 - vii. If there are no deviations from any emission limits or operating limits in 40 CFR Part 63, Subpart DDDDD that apply to the permittee, a statement that there were no deviations from the emission limits or operating limits during the reporting period. **(40 CFR 63.7550(c)(5)(xi))**
 - viii. If a malfunction occurred during the reporting period, the report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of a boiler, process heater,

- or associated air pollution control device or CMS to minimize emissions in accordance with 40 CFR 63.7500(a)(3), including actions taken to correct the malfunction. **(40 CFR 63.7550(c)(5)(xiii))**
- ix. Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual tune-up according to 40 CFR 63.7540(a)(10). Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown. **(40 CFR 63.7550(c)(5)(xiv))**

13. The permittee shall submit all reports required by Table 9 of 40 CFR Part 63, Subpart DDDDD electronically to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) The permittee must use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, the permittee may submit an alternate electronic file consistent with the XML schema listed on the CEDRI website (<http://www.epa.gov/ttn/chief/cedri/index.html>), once the XML schema is available. If the reporting form specific to 40 CFR Part 63, Subpart DDDDD is not available in CEDRI at the time that the report is due, the permittee must submit the report to the Administrator at the appropriate address listed in 40 CFR 63.13. The permittee must begin submitting reports via CEDRI no later than 90-days after the form become available in CEDRI. **(40 CFR 63.7550(h)(3))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV006	36 ²	40 ²	R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d)
2. SV007	36 ²	40 ²	R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d)
3. SV008	36 ²	40 ²	R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d)

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the Federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60, Subparts A and Dc. **(40 CFR Part 60, Subparts A and Dc)**
2. The permittee shall comply with all applicable provisions of the Federal National Standards for Hazardous Air Pollutants for Major Sources as specified in 40 CFR Part 63, Subpart DDDDD. **(40 CFR Part 63, Subpart DDDDD)**
3. 40 CFR Part 63, Subpart DDDDD applies to existing affected sources as described in paragraph (a)(1) of 40 CFR 63.7490, as listed below. **(40 CFR 63.7490(a))**
 - a. The affected source of 40 CFR Part 63, Subpart DDDDD is the collection at a major source of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory as defined in 40 CFR 63.7575. **(40 CFR 63.7490(a)(1))**
4. A boiler or process heater is existing if it is not new or reconstructed, as defined below. **(40 CFR 63.7490(d))**
 - a. A boiler or process heater is new if the permittee commences construction of the boiler or process heater after June 4, 2010, and the permittee meets the applicability criteria at the time the permittee commences construction. **(40 CFR 63.7490(b))**
 - b. A boiler or process heater is reconstructed if the permittee meets the reconstruction criteria as defined in 40 CFR 63.2, the permittee commences reconstruction after June 4, 2010, and the permittee meets the applicability criteria at the time the permittee commence reconstruction. **(40 CFR 63.7490(c))**

5. The permittee shall demonstrate continuous compliance with the work practice standards in Table 3 of 40 CFR Part 63, Subpart DDDDD that applies according to the methods specified in paragraphs (a)(10) through (13) of 40 CFR 63.7540, as listed below. **(40 CFR 63.7540(a))**
- a. If the boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, the permittee must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of 40 CFR 63.7540, as listed below. The tune-up must be conducted while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up. This frequency does not apply to units with continuous oxygen trim systems that maintain an optimum air to fuel ratio. **(40 CFR 63.7540(a)(10))**
 - i. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may perform the burner inspection any time prior to tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment. **(40 CFR 63.7540(a)(10)(i))**
 - ii. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. **(40 CFR 63.7540(a)(10)(ii))**
 - iii. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection. **(40 CFR 63.7540(a)(10)(iii))**
 - iv. Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject. **(40 CFR 63.7540(a)(10)(iv))**
 - v. Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer. **(40 CFR 63.7540(a)(10)(v))**
 - vi. Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of 40 CFR 63.7540, as listed below. **(40 CFR 63.7540(a)(10)(vi))**
 - (1). The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater. **(40 CFR 63.7540(a)(10)(vi)(A))**
 - (2). A description of any corrective actions taken as a part of the tune-up. **(40 CFR 63.7540(a)(10)(vi)(B))**
 - (3). The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit. **(40 CFR 63.7540(a)(10)(vi)(C))**
 - b. If the boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(12) of 40 CFR 63.7540), the permittee must conduct a biennial tune-up of the boiler or process heater as specified in paragraphs (a)(10)(i) through (vi) of 40 CFR 63.7540 to demonstrate continuous compliance. **(40 CFR 63.7540(a)(11))**
 - c. If the boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1 subcategory, the permittee must conduct a tune-up of the boiler or process heater every 5 years as specified in paragraphs (a)(10)(i) through (vi) of 40 CFR 63.7540 to demonstrate continuous compliance. The permittee may delay the burner inspection specified in paragraph (a)(10)(i) of 40 CFR 63.7540 until the next scheduled or unscheduled unit shutdown, but the permittee must inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up. **(40 CFR 63.7540(a)(12))**
 - d. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup. **(40 CFR 63.7540(a)(13))**

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

² This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FGNEWBOILERS
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Four natural gas-fired and fuel oil-fired fire tube boilers. Each boiler has a steam production capacity of 17,200 pounds per hour of steam and has a maximum rated heat input of 20.8 MMBtu/hr when burning natural gas and a maximum rated heat input of 20.4 MMBtu/hr when burning fuel oil. These boilers are subject to 40 CFR Part 60 Subpart Dc, The Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, and 40 CFR Part 63 Subpart DDDDD, the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters.

Emission Unit: EUNEWBOILER1, EUNEWBOILER2, EUNEWBOILER3, EUNEWBOILER4

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NO _x	0.018 lb/MMBtu ²	Hourly, when firing natural gas	Each boiler in FGNEWBOILERS, individually.	SC V.1, SC V.2	R 336.1205(3)
2. NO _x	0.113 lb/MMBtu ²	Hourly, when firing fuel oil	Each boiler in FGNEWBOILERS, individually.	SC V.1, SC V.2	R 336.1205(3)
3. Visible emissions	20 percent opacity	Six minute average, when firing fuel oil	Each boiler in FGNEWBOILERS, individually.	SC V.4	R 336.1301(1), 40 CFR 60.43c(c), 40 CFR 60.43c(d)

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Fuel oil	0.0015 percent sulfur by weight ²	Continuously	FGNEWBOILERS, individually	SC VI.1	R 336.1402(3), 40 CFR 60.42c(d)
2. Fuel oil	28,000 gallons per year ²	12 month rolling time period as determined at the end of each calendar month	FGNEWBOILERS, collectively	SC VI.2	R 336.1205(3)

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall only combust natural gas and/or fuel oil in FGNEWBOILERS.¹ (R 336.1225)
2. The permittee shall install, maintain, and operate each boiler in FGNEWBOILERS according to the manufacturer written instructions or procedures developed by the owner/operator and approved by the boiler manufacturer, over the entire life of each boiler.² (R 336.1225, R 336.1911)

3. The permittee shall meet the requirements in paragraphs (a)(1) and (3) of 40 CFR 63.7500, as listed below, except as provided in paragraphs (b) and (e) of 40 CFR 63.7500. The permittee must meet these requirements at all times the affected unit is operating. **(40 CFR 63.7500(a))**
 - a. The permittee must meet each work practice standard in Table 3 of 40 CFR Part 63, Subpart DDDDD that applies to the boiler or process heater, for each boiler or process heater at the source. **(40 CFR 63.7500(a)(1))**
 - b. At all times, the permittee must operate and maintain any affected source (as defined in 40 CFR 63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. **(40 CFR 63.7500(a)(3))**
4. As provided in 40 CFR 63.6(g), the EPA may approve use of an alternative to the work practice standards. **(40 CFR 63.7500(b))**
5. The permittee shall complete an annual tune-up of each boiler with a heat input capacity greater than 10 MMBtu per hour as specified in 40 CFR 63.7540. **40 CFR 63.7540(a)(10)**
6. The permittee shall demonstrate initial compliance with the applicable work practice standards in Table 3 to 40 CFR Part 63, Subpart DDDDD within the annual schedule as specified in 40 CFR 63.7515(d), following the initial compliance date specified in 40 CFR 63.7495(a). Thereafter, you are required to complete the annual tune-up as specified in 40 CFR 63.7515(d). **(40 CFR 63.7510(g))**
7. If the permittee is required to meet an applicable tune-up work practice standard, the permittee shall:
 - a. Conduct the first annual tune-up no later than 13-months after the initial startup of the new or reconstructed boiler or process heater, the first biennial tune-up no later than 25-months after the initial startup of the new or reconstructed boiler or process heater, or the first 5-year tune-up no later than 61-months after the initial startup of the new or reconstructed boiler or process heater.
 - b. Conduct an annual performance tune-up according to 40 CFR 63.7540(a)(10); biennial performance tune-up according to 40 CFR 63.7540(a)(11); or 5-year performance tune-up according to 40 CFR 63.7540(a)(12). Each annual tune-up specified in 40 CFR 63.7540(a)(10) must be no more than 13-months after the previous tune-up. Each biennial tune-up specified in 40 CFR 63.7540(a)(11) must be conducted no more than 25-months after the previous tune-up. Each 5-year tune-up specified in 40 CFR 63.7540(a)(12) must be conducted no more than 61-months after the previous tune-up. **(40 CFR 63.7515(d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The maximum design heat input rate of each boiler in FGNEWBOILERS shall not exceed 20.8 MMBtu/hr on a fuel heat input basis.² **(R 336.1205(3), 40 CFR Part 63, Subpart DDDDD, Table 2)**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. Within 180 days of permit issuance, the permittee shall verify NO_x emission rates from at least one boiler in FGNEWBOILERS, when firing natural gas, by testing at the owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in 40 CFR Part 60, Appendix A. An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. If fuel oil is used during the five year period (except for scheduled and required maintenance), verification of NO_x emission rates from each boiler burning fuel oil, may be required upon request of the AQD District Supervisor. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

2. The permittee shall verify the NO_x emission rates from at least one boiler in FGNEWBOILERS, at a minimum, every five years from the date of the previous test. The permittee shall rotate the boiler tested so that a different boiler is tested at least once every five years; if extenuating circumstances preclude testing a different boiler for a particular test, the submitted test plan shall describe the extenuating circumstances and request that this requirement be waived for that test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**
3. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. **(R 336.1213(3))**
4. When firing fuel oil, the permittee shall conduct visible emissions observations for EUNEWBOILER1, EUNEWBOILER2, EUNEWBOILER3, and EUNEWBOILER4, at owner's expense, as required in 40 CFR 60.47c(a). The evaluation of visible emissions may be conducted concurrently with the emissions testing required in the SC V.1. Visible emission observation procedures must have prior approval by the AQD Technical Programs Unit and District Office. Verification of visible emissions includes the submittal of a complete report of opacity observations to the AQD within 60 days following the last date of the evaluation. **(R 336.1301, 40 CFR 60.47c(a))**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall maintain records of the fuel oil supplier certification for all oil combusted in FGNEWBOILERS. The fuel supplier certification shall include:² **(40 CFR 60.48c(e) and (f))**
 - a. Calendar dates covered in the reporting period.² **(40 CFR 60.48c(e)(1))**
 - b. The name of the fuel supplier.² **(40 CFR 60.48c(f)(1)(i))**
 - c. A statement from the fuel supplier that the fuel complies with the specifications under the definition of distillate oil in 40 CFR 60.41c.² **(40 CFR 60.48c(f)(1)(ii))**
 - d. The sulfur content or maximum sulfur content of the fuel.² **(40 CFR 60.48c(f)(1)(iii))**
2. The permittee shall maintain the following records:
 - a. The amount of natural gas combusted in FGNEWBOILERS in million cubic feet, on a monthly basis.²
 - b. The amount of distillate oil combusted in FGNEWBOILERS in thousands of gallons, on a monthly basis.² **(40 CFR 60.48c(g)(3), R 336.1201(7)(a), 40 CFR 60.7)**
3. The permittee shall maintain records for all visual observations performed. These records shall include: **(40 CFR 60.48c(c))**
 - a. Dates and time intervals of all opacity observation periods. **(40 CFR 60.48c(c)(1)(i), 40 CFR 60.48c(c)(2)(i))**
 - b. Name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test. **(40 CFR 60.48c(c)(1)(ii), 40 CFR 60.48c(c)(2)(ii))**
 - c. Copies of all visible emission observer opacity field data sheets. **(40 CFR 60.48c(c)(1)(iii), 40 CFR 60.48c(c)(2)(iii))**
 - d. Documentation of any adjustments made and the time the adjustments were completed to the affected facility operation by permittee to demonstrate compliance with the applicable monitoring requirements. **(40 CFR 60.48c(c)(2)(iv))**
4. The permittee shall keep records according to paragraphs (a)(1) and (2) of 40 CFR 63.7555, as listed below. **(40 CFR 63.7555(a))**
 - a. A copy of each notification and report that the permittee submitted to comply with 40 CFR Part 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that the permittee submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv). **(40 CFR 63.7555(a)(1))**
 - b. Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR 63.10(b)(2)(viii). **(40 CFR 63.7555(a)(2))**
5. If the permittee operates a unit in the unit designed to burn gas 1 subcategory that is subject to 40 CFR Part 63, Subpart DDDDD, and the permittee uses an alternative fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart under 40 CFR Part 63, other gas 1 fuel, or gaseous fuel subject to another subpart of

40 CFR Part 60 or Parts 61, Part 63, or Part 65, the permittee must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies. **(40 CFR 63.7555(h))**

6. The permittee's records shall be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). **(40 CFR 63.7560(a))**
7. As specified in 40 CFR 63.10(b)(1), the permittee shall keep each record for 5-years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. **(40 CFR 63.7560(b))**
8. The permittee shall keep each record on site, or they must be accessible from on-site (for example, through a computer network), for at least 2-years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The permittee can keep the records off site for the remaining 3-years. **(40 CFR 63.7560(c))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit any performance test reports to the AQD Technical Programs Unit and District Office, in a format approved by the AQD. **(R 336.1213(3)(c), R 336.2001(5))**
5. The permittee shall submit semiannual reports of the records maintained in accordance with SC VI.1 and SC VI.2 to the District Supervisor. **(40 CFR 60.48c(d), (e)(11), (f), and (j))**
6. The permittee shall meet the notification requirements in 40 CFR 63.7545 according to the schedule in 40 CFR 63.7545 and in Subpart A of 40 CFR Part 63. **(40 CFR 63.7495(d))**
7. The permittee shall report each instance in which they did not meet each emission limit and operating limit in Tables 1 through 4 to this subpart that applies. These instances are deviations from the emission limits or operating limits, respectively, in this subpart. These deviations must be reported according to the requirements in 40 CFR 63.7550. **(40 CFR 63.7540(b))**
8. The permittee shall submit to the Administrator all of the notifications in 40 CFR 63.7(b) and (c), 40 CFR 63.8(e), (f)(4) and (6), and 40 CFR 63.9(b) through (h) that apply to the permittee by the dates specified. **(40 CFR 63.7545(a))**
9. If the permittee operates a unit designed to burn natural gas, refinery gas, or other gas 1 fuels that is subject to 40 CFR Part 63, Subpart DDDDD, and the permittee intends to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart of 40 CFR Part 63, Part 60, Part 61, or Part 65, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in 40 CFR 63.7575, the permittee must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in 40 CFR 63.7575. The notification must include the information specified in paragraphs (f)(1) through (5) of 40 CFR 63.7545, as listed below. **(40 CFR 63.7545(f))**
 - a. Company name and address. **(40 CFR 63.7545(f)(1))**
 - b. Identification of the affected unit. **(40 CFR 63.7545(f)(2))**
 - c. Reason the permittee is unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began. **(40 CFR 63.7545(f)(3))**
 - d. Type of alternative fuel that the permittee intends to use. **(40 CFR 63.7545(f)(4))**

- e. Dates when the alternative fuel use is expected to begin and end. **(40 CFR 63.7545(f)(5))**
10. If the permittee has switched fuels or made a physical change to the boiler or process heater and the fuel switch or physical change resulted in the applicability of a different subcategory, the permittee shall provide notice of the date upon which the permittee switched fuels or made the physical change within 30-days of the switch/change. The notification must identify the following: **(40 CFR 63.7545(h))**
- a. The name of the owner or operator of the affected source, as defined in 40 CFR 63.7490, the location of the source, the boiler(s) and process heater(s) that have switched fuels, were physically changed, and the date of the notice. **(40 CFR 63.7545(h)(1))**
 - b. The currently applicable subcategory under 40 CFR Part 63, Subpart DDDDD. **(40 CFR 63.7545(h)(2))**
 - c. The date upon which the fuel switch or physical change occurred. **(40 CFR 63.7545(h)(3))**
11. The permittee shall submit each report in Table 9 of 40 CFR Part 63, Subpart DDDDD that applies. **(40 CFR 63.7550(a))**
12. Unless the EPA Administrator has approved a different schedule for submission of reports under 40 CFR 63.10(a), the permittee shall submit each report, according to paragraph (h) of 40 CFR 63.7550, by the date in Table 9 of 40 CFR Part 63, Subpart DDDDD and according to the requirements in paragraphs (b)(1) through (4) of 40 CFR 63.7550, as listed below. For units that are subject only to a requirement to conduct an annual tune-up according to 40 CFR 63.7540(a)(10), and not subject to emission limits or operating limits, the permittee may submit only an annual, , as applicable, as specified in paragraphs (b)(1) through (4) of 40 CFR 63.7550, as listed below, instead of a semi-annual compliance report. **(40 CFR 63.7550(b))**
- a. The first semi-annual compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495, and ending on December 31 after the compliance date that is specified for the source in 40 CFR 63.7495. When submitting an annual, biennial, or 5-year compliance report, the first compliance report must cover the period beginning on the compliance date specified for each boiler or process heater in 40 CFR 63.7495 and ending on December 31 within 1, 2, or 5-years, as applicable, after the compliance date that is specified in 40 CFR 63.7495. **(40 CFR 63.7550(b)(1))**
 - b. The first semi-annual compliance report must be postmarked or submitted no later than September 15 or March 15, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than March 15. **(40 CFR 63.7550(b)(2), 40 CFR 63.7550(b)(5))**
 - c. Each subsequent semi-annual compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1, 2, or 5-year periods from January 1 to December 31. **(40 CFR 63.7550(b)(3))**
 - d. Each subsequent semi-annual compliance report must be postmarked or submitted no later than September 15 or March 15, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than March 15. **(40 CFR 63.7550(b)(4), 40 CFR 63.7550(b)(5))**
13. A compliance report must contain the following information depending on how the permittee chooses to comply with the limits set in this rule. **(40 CFR 63.7550(c))**
- a. If the facility is subject to the requirements of a tune up the permittee must submit a compliance report with the information in paragraphs (c)(5)(i) through (iii), (xiv), and (xvii) of 40 CFR 63.7550. **(40 CFR 63.7550(c)(1))**
 - b. 40 CFR 63.7550(c)(5) is as follows:
 - i. Company and Facility name and address. **(40 CFR 63.7550(c)(5)(i))**
 - ii. Process unit information, emissions limitations, and operating parameter limitations. **(40 CFR 63.7550(c)(5)(ii))**
 - iii. Date of report and beginning and ending dates of the reporting period. **(40 CFR 63.7550(c)(5)(iii))**
 - iv. The total fuel use by each individual boiler or process heater subject to an emission limit within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the EPA or the basis for concluding that the fuel is not a waste, and the total fuel usage amount with units of measure. **(40 CFR 63.7550(c)(5)(vi))**

- v. A summary of any fuel specification analyses conducted according to 40 CFR 63.7521(f) and 40 CFR 63.7530(g). **(40 CFR 63.7550(c)(5)(x))**
- vi. If there are no deviations from any emission limits or operating limits in 40 CFR Part 63, Subpart DDDDD that apply to the permittee, a statement that there were no deviations from the emission limits or operating limits during the reporting period. **(40 CFR 63.7550(c)(5)(xi))**
- vii. If a malfunction occurred during the reporting period, the report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of a boiler, process heater, or associated air pollution control device or CMS to minimize emissions in accordance with 40 CFR 63.7500(a)(3), including actions taken to correct the malfunction. **(40 CFR 63.7550(c)(5)(xiii))**
- viii. Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual tune-up according to 40 CFR 63.7540(a)(10). Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown. **(40 CFR 63.7550(c)(5)(xiv))**
- ix. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report. **(40 CFR 63.7550(c)(5)(xvii))**

14. The permittee must submit the reports according to the procedures specified in paragraph (h)(3) of 40 CFR 63.7550, as listed below. **(40 CFR 63.7550(h))**
- a. The permittee must submit all reports required by Table 9 of 40 CFR Part 63, Subpart DDDDD electronically to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). (CEDRI can be accessed through the EPA's CDX.) The permittee must use the appropriate electronic report in CEDRI for 40 CFR Part 63, Subpart DDDDD. Instead of using the electronic report in CEDRI for 40 CFR Part 63, Subpart DDDDD, the permittee may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (<http://www.epa.gov/ttn/chief/cedri/index.html>), once the XML schema is available. If the reporting form specific to 40 CFR Part 63, Subpart DDDDD is not available in CEDRI at the time that the report is due, the permittee must submit the report to the Administrator at the appropriate address listed in 40 CFR 63.13. The permittee must begin submitting reports via CEDRI no later than 90-days after the form becomes available in CEDRI. **(40 CFR 63.7550(h)(3))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVNEWBOILER1	24.0 ¹	42.5 ¹	R 336.1225
2. SVNEWBOILER2	24.0 ¹	42.5 ¹	R 336.1225
3. SVNEWBOILER3	24.0 ¹	42.5 ¹	R 336.1225
4. SVNEWBOILER4	24.0 ¹	42.5 ¹	R 336.1225

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the Federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60, Subparts A and Dc. **(40 CFR, Part 60, Subparts A and Dc)**
2. The permittee shall comply with all applicable provisions of the Federal National Standards for Hazardous Air Pollutants for Major Sources as specified in 40 CFR Part 63, Subpart DDDDD. **(40 CFR Part 63 Subpart DDDDD)**
3. 40 CFR Part 63, Subpart DDDDD applies to new or reconstructed affected sources as described in paragraph (a)(2) of 40 CFR 63.7490, as listed below. **(40 CFR 63.7490(a))**
 - a. The affected source of 40 CFR Part 63, Subpart DDDDD is each new or reconstructed industrial, commercial, or institutional boiler or process heater, as defined in 40 CFR 63.7575, located at a major source. **(40 CFR 63.7490(a)(2))**
4. A boiler or process heater is:
 - a. New if the permittee commences construction of the boiler or process heater after June 4, 2010, and the permittee meets the applicability criteria at the time the permittee commences construction. **(40 CFR 63.7490(b))**
 - b. Reconstructed if the permittee meets the reconstruction criteria as defined in 40 CFR 63.2, the permittee commences reconstruction after June 4, 2010, and the permittee meets the applicability criteria at the time the permittee commence reconstruction. **(40 CFR 63.7490(c))**
5. If the permittee has a new or reconstructed boiler or process heater, the permittee shall comply with 40 CFR Part 63, Subpart DDDDD by April 1, 2013, or upon startup of each boiler or process heater, whichever is later. **(40 CFR 63.7495(a))**
6. The permittee shall be in compliance with the work practice standards of 40 CFR Part 63, Subpart DDDDD. **(40 CFR 63.7505(a))**
7. For affected sources, as defined in 40 CFR 63.7490, that switch subcategory consistent with 40 CFR 63.7545(h), after the initial compliance date, the permittee shall demonstrate compliance within 60 days of the effective date of the switch, unless the compliance demonstration for this subcategory has been conducted within the previous 12 months. **(40 CFR 63.7510(k))**
8. For affected sources (as defined in 40 CFR 63.7490) that have not operated since the previous compliance demonstration and more than one year has passed since the previous compliance demonstration, the permittee must complete a subsequent tune-up by following the procedures described in 40 CFR 63.7540(a)(10)(i) through (vi), and the schedule described in 40 CFR 63.7540(a)(13), for units that are not operating at the time of their scheduled tune-up. **(40 CFR 63.7515(g))**
9. The permittee shall demonstrate continuous compliance with the work practice standards in Table 3 of 40 CFR Part 63, Subpart DDDDD that applies according to the methods specified in paragraphs (a)(10) through (13) of 40 CFR 63.7540, as listed below. **(40 CFR 63.7540(a))**
 - a. If the boiler or process heater has a heat input capacity of 10 MMBtu per hour or greater, the permittee must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of 40 CFR 63.7540, as listed below. The tune-up must be conducted while burning the type of fuel or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12-months prior to the tune-up. This frequency does not apply to units with continuous oxygen trim systems that maintain an optimum air to fuel ratio. **(40 CFR 63.7540(a)(10))**
 - i. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36-months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up

- inspections, inspections are required only during planned entries into the storage vessel or process equipment. **(40 CFR 63.7540(a)(10)(i))**
- ii. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. **(40 CFR 63.7540(a)(10)(ii))**
 - iii. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36-months from the previous inspection. **(40 CFR 63.7540(a)(10)(iii))**
 - iv. Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject. **(40 CFR 63.7540(a)(10)(iv))**
 - v. Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer. **(40 CFR 63.7540(a)(10)(v))**
 - vi. Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of 40 CFR 63.7540, as listed below. **(40 CFR 63.7540(a)(10)(vi))**
 - (1) The concentrations of CO in the effluent stream in ppm by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater. **(40 CFR 63.7540(a)(10)(vi)(A))**
 - (2) A description of any corrective actions taken as a part of the tune-up. **40 CFR 63.7540(a)(10)(vi)(B))**
 - (3) The type and amount of fuel used over the 12-months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit. **(40 CFR 63.7540(a)(10)(vi)(C))**
 - b. If the boiler or process heater has a heat input capacity of less than 10 MMBtu per hour (except as specified in paragraph (a)(12) of 40 CFR 63.7540), the permittee must conduct a biennial tune-up of the boiler or process heater as specified in paragraphs (a)(10)(i) through (vi) of 40 CFR 63.7540 to demonstrate continuous compliance. **(40 CFR 63.7540(a)(11))**
 - c. If the boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 MMBtu per hour and the unit is in the units designed to burn gas 1 subcategory, the permittee must conduct a tune-up of the boiler or process heater every 5-years as specified in paragraphs (a)(10)(i) through (vi) of 40 CFR 63.7540 to demonstrate continuous compliance. The permittee may delay the burner inspection specified in paragraph (a)(10)(i) of 40 CFR 63.7540 until the next scheduled or unscheduled unit shutdown, but the permittee must inspect each burner at least once every 72-months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5-years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up. **(40 CFR 63.7540(a)(12))**
 - d. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30-calendar days of startup. **(40 CFR 63.7540(a)(13))**

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

² This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FGEXNATGASBOILERS
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Requirements for existing natural gas boilers with a heat input capacity of <10 MMBTU/hr for major sources of HAP emissions per 40 CFR Part 63, Subpart DDDDD (Boiler MACT).

Emission Units:

Less than 5 MMBtu/hr	EU012, EU013, EU016, EUBLD802BOILER (EU017), EUBLD704H2OHEAT, EUBLD825MACDECK
Equal to or greater than 5 MMBtu/hr and less than 10 MMBtu/hr	NA

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee must, for boilers or process heaters with a heat input capacity of less than or equal to 5 MMBTU/hr, conduct a 5-year tune-up according to 40 CFR 63.7540(a)(12). Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up. The burner inspection may be delayed until the next scheduled or unscheduled unit shutdown, but each burner must be inspected at least once every 72 months. **(40 CFR 63.7500(d) or (e), 40 CFR 63.7515(d), 40 CFR 63.7540(a)(12), 40 CFR Part 63, Subpart DDDDD, Table 3.1)**
2. If not already complete, the permittee must complete the one-time energy assessment specified in Table 3 of 40 CFR Part 63, Subpart DDDDD no later than 180 days after ROP issuance. **(40 CFR 63.7510(e))**
3. The permittee must conduct a tune-up of each boiler or process heater as specified in the following: **(40 CFR 63.7540(a)(11) or (12))**
 - a. As applicable, inspect the burner and clean or replace any components of the burner as necessary. The permittee may perform the burner inspection any time prior to the tune-up or may delay the burner inspection until the next scheduled unit shutdown. Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment. **(40 CFR 63.7540(a)(10)(i))**
 - b. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. **(40 CFR 63.7540(a)(10)(ii))**
 - c. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. The permittee may delay the inspection until the next scheduled unit shutdown. Units

that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection. **(40 CFR 63.7540(a)(10)(iii))**

- d. Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject. **(40 CFR 63.7540(a)(10)(iv))**
 - e. Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer. **(40 CFR 63.7540(a)(10)(v))**
4. If the unit is not operated on the required date for the tune-up, the tune-up must be conducted within 30 calendar days of startup. **(40 CFR 63.7540(a)(13))**
 5. At all times, the permittee must operate and maintain each existing small boiler or process heater, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. **(40 CFR 63.7500(a)(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(40 CFR 63.7560(b))**

1. The permittee must keep a copy of each notification and report submitted to comply with 40 CFR Part 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or 2 or 5 year compliance report or one-time energy assessment, as applicable, that the permittee submitted. **(40 CFR 63.7555(a)(1))**
2. The permittee must keep the records in a form suitable and readily available for expeditious review. **(40 CFR 63.7560(a))**
3. The permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. **(40 CFR 63.7560(b))**
4. The permittee must keep each record on site, or they must be accessible from on-site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee can keep the records off site for the remaining 3 years. **(40 CFR 63.7560(c))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. For the initial compliance demonstration for each boiler or process heater, the permittee must submit the Notification of Compliance Status before the close of business on the 60th day following the completion of the initial boiler tune-up for all boiler or process heaters at the facility. The Notification of Compliance Status report must contain all the information specified below.
 - a. A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with 40 CFR Part 63, Subpart DDDDD, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by the permittee or the EPA through a petition process to be a non-waste under 40 CFR 241.3, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of 40 CFR 241.3, and justification for the selection of fuel(s) burned during the compliance demonstration. **(40 CFR 63.7545(e)(1))**
 - b. In addition to the information required in 40 CFR 63.9(h)(2), the notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:
 - i. "This facility completed the required initial tune-up for all of the boilers and process heaters covered by 40 CFR Part 63, Subpart DDDDD at this site according to the procedures in 40 CFR 63.7540(a)(10)(i) through (vi)." **(40 CFR 63.7545(e)(8)(i))**
 - ii. "The facility has had an energy assessment performed according to 40 CFR 63.7530(e)." **(40 CFR 63.7540(e)(8)(ii))**
 - iii. Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit." **(40 CFR 63.7545(e)(8)(iii))**
5. The permittee must submit boiler or process heater tune-up compliance reports to the appropriate AQD District Office and must be postmarked or submitted by March 15th of the year following the applicable 2 or 5-year period starting from January 1 of the year following the previous tune-up to December 31 (of the latest tune-up year). Compliance reports must also be submitted to EPA using the Compliance and Emissions Data Reporting Interface (CEDRI) which is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). If the reporting form is not available in CEDRI at the time the compliance report is due, a hardcopy of the compliance report shall be submitted to EPA Region 5. **(40 CFR 63.7550(b), 40 CFR 63.7550(h)(3))**
6. The permittee must include the following information in the compliance report. **(40 CFR 63.7550(c)(1))**
 - a. Company and Facility name and address. **(40 CFR 63.7550(c)(5)(i))**
 - b. Process unit information, emissions limitations, and operating parameter limitations. **(40 CFR 63.7550(c)(5)(ii))**
 - c. Date of report and beginning and ending dates of the reporting period. **(40 CFR 63.7550(c)(5)(iii))**
 - d. Include the date of the most recent tune-up for each unit. Include the date of the most recent burner inspection if it was not done biennially or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown. **(40 CFR 63.7550(c)(5)(xiv))**
 - e. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report. **(40 CFR 63.7550(c)(5)(xvii))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subparts A and DDDDD for Industrial, Commercial, and Institutional Boilers and Process Heaters. **(40 CFR Part 63, Subparts A and DDDDD)**

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

² This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG007
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Two 1,500 kW diesel-fired emergency generator sets, each rated at 2,153 horsepower. The generators are located at and serve the needs of the McNamara Terminal's parking deck.

Emission Unit: EUENGINE13, EUENGINE14

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NO _x	515 lb/1,000 gallon ²	Hourly	EUENGINE13, EUENGINE14, individually	SC V.1, SC V.2	R 336.1205(1)(a)

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Diesel fuel	136,000 gallons per year ²	12 month rolling time period	EUENGINE13, EUENGINE14, collectively	SC VI.1	R 336.1205(1)(a), R 336.1224, R 336.1225, R 336.1702(a), 40 CFR 52.21(c) and (d)
2. Sulfur content of fuel oil	0.30 percent by weight	Continuously	EUENGINE13, EUENGINE14, individually	SC VI.4	R 336.1401(1)&(2)

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall burn only diesel fuel in FG007.¹ (R 336.1224, R 336.1225)
2. If any electricity produced by FG007 is sold to a utility power distribution system, the sulfur content of the diesel fuel used in FG007 shall not exceed 0.05 percent by weight on an annual average. The annual average shall be calculated as specified in 40 CFR 72.7(d)(3).² (40 CFR 72.7)
3. The permittee shall operate FG007 in accordance with manufacturer's recommendations for safe and proper operation to minimize emissions during periods of startup, shutdown, and malfunction.² (R 336.1912)

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The total capacity of each unit in FG007 shall not exceed 5 MW.² (40 CFR 72.7)
2. The permittee shall install, calibrate, and maintain a device to monitor and record fuel usage.² (R 336.1205(1)(a), R 336.1224, R 336.1225, R 336.1702(a), 40 CFR 52.21(c) and (d))

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. If the permittee exceeds 27,200 gallons of fuel oil combusted in EUENGINE13 and EUENGINE14, individually or combined, in any 12 month rolling time period, the permittee shall verify NO_x emission rates from EUENGINE13 and EUENGINE14, by testing at the owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in 40 CFR Part 60, Appendix A. An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**
2. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. **(R 336.1213(3))**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall monitor and record the fuel use for FG007 on a monthly and 12-month rolling basis.² **(R 336.1205(1)(a), R 336.1224, R 336.1225, R 336.1702(a), 40 CFR 52.21(c) and (d))**
2. The permittee shall keep records of the date, duration, and description of any malfunction and any maintenance performed on FG007.² **(R 336.1912)**
3. If any electricity produced by FG007 is sold to a utility power distribution system, the permittee shall keep records of the sulfur content calculated in percent by weight, on an annual average.² **(40 CFR Part 72.7)**
4. For each fuel oil delivery, the permittee shall keep records of the sulfur content, in percent by weight, of the fuel used in FG007. **(R 336.1213(3))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit any performance test reports to the AQD Technical Programs Unit and District Office, in a format approved by the AQD. **(R 336.1213(3)(c), R 336.2001(5))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

1. The exhaust gases from FG-007 shall be discharged unobstructed vertically upwards to the ambient air.² **(R 336.1225, 40 CFR 52.21(c) & (d))**

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the Federal National Standards for Hazardous Air Pollutants for Major Sources as specified in 40 CFR Part 63, Subpart ZZZZ. **(40 CFR Part 63, Subpart ZZZZ)**

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

² This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FGEXEMERGENCYRICE>500
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Existing (constructed before 12/9/2002), stationary, emergency, engines with ratings greater than 500 HP, located at a major source of HAP emissions, subject to 40 CFR Part 63 Subpart ZZZZ - The National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

Emission Unit: EUENGINE4, EUENGINE9, EUENGINE13, EUENGINE14, EUENGINE17, EUENGINE21

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

1. The sulfur content of the fuel oil combusted in the generators shall not exceed 0.3 percent by weight. **(R 336.1402(3))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate any engine in FGEXEMERGENCYRICE>500 for more than 500 hours per year on a 12-month rolling time period basis as determined at the end of each calendar month. The 500 hours includes the hours for the purpose of necessary maintenance checks and readiness testing as described in SC III.3. **(R 336.1213(2))**
2. There is no time limit on the use of emergency stationary RICE in emergency situations. **(40 CFR 63.6640(f)(1))**
3. The permittee may operate each engine in FGEXEMERGENCYRICE>500 for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. **(40 CFR 63.6640(f)(2))**
4. Each engine in FGEXEMERGENCYRICE>500 may operate up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing as provided in 40 CFR 63.6640(f)(2). The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the permittee to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 63.6640(f)(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall monitor and record the fuel usage for each engine in FGEXEMERGENCYRICE>500 on a monthly basis. **(R336.1213(3))**
2. The permittee shall keep records of the sulfur content (percent by weight) of the fuel used in each engine in FGEXEMERGENCYRICE>500, for each fuel oil delivery. **(R 336.1402(3), R336.1213(3))**
3. The permittee shall monitor and record the total hours of operation for each engine in FGEXEMERGENCYRICE>500, per calendar year, recorded through the non-resettable hours meter, in a manner acceptable to the District Supervisor, Air Quality Division. The permittee shall document 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. If the engine is used for the purposes specified in 40 CFR 63.6640(f)(4)(ii), the permittee must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation. **(40 CFR 63.6655(f))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. For each engine in FGEXEMERGENCYRICE>500 that is an emergency stationary engine with a site rating of more than 100 brake hp that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in 40 CFR 63.6640(f)(4)(ii), you must submit an annual report according to the requirements below and as specified in 40 CFR 63.6650(h):
 - a. The report must contain the following information:
 - i. Company name and address where the engine is located.
 - ii. Date of the report and beginning and ending dates of the reporting period.
 - iii. Engine site rating and model year.
 - iv. Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
 - v. Hours operated for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii).
 - vi. Number of hours the engine is contractually obligated to be available for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii).
 - vii. Hours spent for operation for the purpose specified in 40 CFR 63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR 63.6640(f)(4)(ii). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.
 - viii. If there were no deviations from the fuel requirements in 40 CFR 63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.
 - ix. If there were deviations from the fuel requirements in 40 CFR 63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.

- b. The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.
- c. The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 CFR 63.13.
(40 CFR 63.6650(h), 40 CFR 63.6660)

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the Federal National Standards for Hazardous Air Pollutants for Major Sources as specified in 40 CFR Part 63, Subpart ZZZZ. **(40 CFR Part 63, Subpart ZZZZ)**

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

² This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

FGEXEMERGENCYRICE≤500 FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Existing (constructed before 06/12/2006), stationary emergency, compression ignition and spark ignition engines, with ratings less than or equal to 500 HP, located at a major source of HAP emissions, subject to 40 CFR Part 63 Subpart ZZZZ - The National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

Emission Units: EUENGINE15, EUENGINE22, EUENGINE44, EUENGINE45, EUENGINE46, EUENGINE47, EUENGINE48, EUENGINE51

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Each engine in FGEXEMERGENCYRICE≤500 shall be installed, maintained, and operated in a satisfactory manner. A list of recommended work practice standards as specified in 63.6602 and Table 2c, Item 1 or the permittee may petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices. The following are the recommended work practices specified in 40 CFR Part 63 Subpart ZZZZ Table 2c:
 - a. Change oil and filter every 500 hours of operation or annually, whichever comes first, except as allowed in SC III.2,
 - b. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
 - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

If the emergency engine is being operated during an emergency and it is not possible to shut down the engine to perform the work practice standards on the schedule required, the work practice standard can be delayed until the emergency is over. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State or local law has been abated. Sources must report any failure to perform the work practice on the schedule required and the Federal, State or local law or which the risk was deemed unacceptable. **(40 CFR 63.6602, 40 CFR Part 63 Subpart ZZZZ Table 2c, Item 1 and Item 6)**

2. The permittee may utilize an oil analysis program in order to extend the specified oil change requirement. The oil analysis must be performed at the same frequency as oil changes are required. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c of 40 CFR Part 63 Subpart ZZZZ. **(40 CFR 63.6625(i), 40 CFR 63.6625(j))**
3. The permittee shall install, maintain and operate each engine in FGEXEMERGENCYRICE≤500 and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 63.6605, 40 CFR 63.6625(e))**

4. The permittee shall minimize the time spent at idle during startup and minimize the startup time of each engine in FGEXEMERGENCYRICE \leq 500 to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply. **(40 CFR 63.6625(h), 40 CFR Part 63 Subpart ZZZZ Table 2c, Item 1)**
5. The permittee shall not operate any engine in FGEXEMERGENCYRICE \leq 500 for more than 500 hours per year on a 12-month rolling time period basis as determined at the end of each calendar month. The 500 hours includes the hours for the purpose of necessary maintenance checks and readiness testing as described in SC III.7. **(R 336.1213(2))**
6. There is no time limit on the use of emergency stationary RICE in emergency situations. **(40 CFR 63.6640(f)(1))**
7. The permittee may operate each engine in FGEXEMERGENCYRICE \leq 500 for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. **(40 CFR 63.6640(f)(2))**
8. Each engine in FGEXEMERGENCYRICE \leq 500 may operate up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing as provided in 40 CFR 63.6640(f)(2). The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the permittee to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 63.6640(f)(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall install a non-resettable hour meter on each engine in FGEXEMERGENCYRICE \leq 500. **(40 CFR 63.6625(f))**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. If using the oil analysis program, the permittee must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. **(40 CFR 63.6625(i))**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. For each engine in FGEXEMERGENCYRICE \leq 500, the permittee shall keep in a satisfactory manner, records of the occurrence and duration of each malfunction of operation or the air pollution control monitoring equipment. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(a)(2), 40 CFR 63.6660)**
2. For each engine in FGEXEMERGENCYRICE \leq 500, the permittee shall keep in a satisfactory manner, records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of

operation. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(a)(5), 40 CFR 63.6660)**

3. For each engine in FGEXEMERGENCYRICE \leq 500, the permittee shall keep in a satisfactory manner, records to demonstrate continuous compliance with the operating limitations. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(d), 40 CFR 63.6660)**
4. For each engine in FGEXEMERGENCYRICE \leq 500, the permittee shall keep in a satisfactory manner, records of the maintenance conducted to demonstrate that the engine and after-treatment control device (if any) were operated and maintained according to the developed maintenance plan. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(e), 40 CFR 63.6660)**
5. The permittee shall monitor and record the total hours of operation for each engine in FGEXEMERGENCYRICE \leq 500, per calendar year, recorded through the non-resettable hours meter, in a manner acceptable to the District Supervisor, Air Quality Division. The permittee shall document 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. If the engine is used for the purposes specified in 40 CFR 63.6640(f)(4)(ii), the permittee must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation. **(40 CFR 63.6655(f))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit to the AQD District Supervisor, a semi-annual compliance report, as specified in 40 CFR 63.6650, which contains all deviations during the reporting period from any applicable emission limitation or operating limitation. If there are no deviations from any applicable emission limitations or operating limitations, the report shall contain a statement that there were no deviations during the reporting period. The first report shall cover the period beginning on the applicable compliance date specified in 40 CFR 63.6595 and ending on June 30 (postmarked or delivered by July 31) or December 31 (postmarked or delivered by January 31), whichever date is the first date following the end of the first calendar half after the applicable compliance date. Each subsequent report must cover the semi-annual period from January 1 through June 30, or from July 1 through December 31. The subsequent reports must be postmarked or delivered by July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period, except as allowed in 63.6650(b)(5). The compliance report must also contain the following information, as specified in 40 CFR 63.6650(c) and (d):
 - a. Company name and address.
 - b. Certification of the report by a responsible official.
 - c. Date of report and beginning and ending dates of the reporting period.
 - d. The number of malfunctions, including a brief description of each event, that occurred during the reporting period and a demonstration that the Malfunction Plan was followed during such events.
 - e. The total operating time of the RICE at which the deviation occurred during the reporting period.
 - f. The number, duration, and cause of deviations and the corrective action taken.

A copy of the compliance report shall be kept on file for a period of at least five years (at least two years at the site) and made available to the Department upon request. **(40 CFR 63.6640(b), 40 CFR 63.6650(b),(c),(d), 40 CFR 63.6660)**

5. The permittee shall report all deviations as defined in Subpart ZZZZ in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of Subpart ZZZZ along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in Subpart ZZZZ, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority. **(40 CFR 63.6650(f))**

6. For each engine in FGEXEMERGENCYRICE \leq 500 that is an emergency stationary engine with a site rating of more than 100 brake hp that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in 40 CFR 63.6640(f)(4)(ii), you must submit an annual report according to the requirements below and as specified in 40 CFR 63.6650(h):
 - a. The report must contain the following information:
 - i. Company name and address where the engine is located.
 - ii. Date of the report and beginning and ending dates of the reporting period.
 - iii. Engine site rating and model year.
 - iv. Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
 - v. Hours operated for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii).
 - vi. Number of hours the engine is contractually obligated to be available for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii).
 - vii. Hours spent for operation for the purpose specified in 40 CFR 63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR 63.6640(f)(4)(ii). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.
 - viii. If there were no deviations from the fuel requirements in 40 CFR 63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.
 - ix. If there were deviations from the fuel requirements in 40 CFR 63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.
 - b. The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.
 - c. The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 CFR 63.13.
(40 CFR 63.6650(h), 40 CFR 63.6660)

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart ZZZZ, for Stationary Reciprocating Internal Combustion Engines by the initial compliance date. **(40 CFR 63.6595, 40 CFR Part 63, Subparts A and ZZZZ)**

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

² This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FGSUBPARTIIIENGINES
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

New, stationary, emergency, diesel fueled, engines with ratings greater than 500 HP, located at a major source of HAP emissions, subject to 40 CFR Part 63 Subpart ZZZZ - The National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and 40 CFR Part 60 Subpart IIII - The Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

Emission Unit: EUENGINE27, EUENGINE28, EUENGINE43, EUENGINE49, and EUENGINE50

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. NO _x	10.05 g/kW-hr 7.59 g/hp-hr	Hourly	EUENGINE27, EUENGINE28, individually	SC III.5, SC V.1, SC VI.2	40 CFR 60.4205(d)(1)(ii)
2. NO _x	7.85 g/kW-hr 5.89 g/hp-hr	Hourly	EUENGINE49	SC III.5, SC V.1, SC VI.2	40 CFR 60.4205(d)(2)(ii)
3. THC + NO _x	7.8 g/kW-hr	Hourly	EUENGINE43	SC III.6, SC V.2, SC VI.2	40 CFR 60.4205(b), 40 CFR 60.4202(e)(1), 40 CFR 94.8
4. THC + NO _x	11.0 g/kW-hr	Hourly	EUENGINE50	SC III.6, SC V.2, SC VI.2	40 CFR 60.4205(b), 40 CFR 60.4202(e)(3), 40 CFR 94.8
5. CO	5.0 g/kW-hr	Hourly	EUENGINE43, EUENGINE50, individually	SC III.6, SC V.2, SC VI.2	40 CFR 60.4205(b), 40 CFR 60.4202(e)(1 and 3), 40 CFR 94.8
6. PM	0.27 g/kW-hr	Hourly	EUENGINE43	SC III.6, SC V.2, SC VI.2	40 CFR 60.4205(b), 40 CFR 60.4202(e)(1), 40 CFR 94.8
7. PM	0.50 g/kW-hr	Hourly	EUENGINE50	SC III.6, SC V.2, SC VI.2	40 CFR 60.4205(b), 40 CFR 60.4202(e)(3), 40 CFR 94.8
8. PM	0.40 g/kW-hr 0.30 g/hp-hr	Hourly	EUENGINE27, EUENGINE28, EUENGINE49, individually	SC III.5, SC V.1, SC VI.2	40 CFR 60.4205(d)(3)
9. Visible Emissions	20 percent opacity	6 minute average	Each Engine in FGSUBPARTIIIENGINES, individually	SC V.5, SC VI.7	R336.1301(1)

II. MATERIAL LIMIT(S)

1. The permittee shall burn only diesel fuel, in each engine in FGSUBPARTIIIENGINE, with the maximum sulfur content of 15 ppm (0.0015 percent) by weight and a minimum Cetane index of 40 or a maximum aromatic content of 35 volume percent. **(R 336.1213(2), R 336.1402(1), 40 CFR 60.4207, 40 CFR 80.510(b))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall operate and maintain each engine in FGSUBPARTIIIENGINE such that it meets the emission limits in SC I.1, I.2, I.3, I.4, I.5, I.6, I.7, I.8 over the entire life of the engine. **(40 CFR 60.4206)**
2. The permittee shall not operate each engine in FGSUBPARTIIIENGINE for more than 500 hours per year on a 12-month rolling time period basis as determined at the end of each calendar month. The 500 hours includes the hours for the purpose of necessary maintenance checks and readiness testing as described in SC III.2. **(R 336.1213(2))**
3. The permittee may operate each engine in FGSUBPARTIIIENGINE for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. Each engine in FGSUBPARTIIIENGINE may operate up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing. The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 60.4211(f))**
4. If the permittee purchased a certified engine, according to procedures specified in 40 CFR Part 60 Subpart III, for the same model year and maximum engine power, the permittee shall meet the following requirements for each engine in FGSUBPARTIIIENGINE:
 - a. Operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions;
 - b. Change only those emission-related settings that are permitted by the manufacturer; and
 - c. Meet the requirements as specified in 40 CFR 89, 94, and/or 1068, as they apply to you.

If you do not operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions, the engine may be considered a non-certified engine.

(40 CFR 60.4211(a), (c), and (d))

5. For EUENGINE27, EUENGINE28, and EUENGINE49, the permittee shall establish operating parameters to be monitored continuously to ensure the stationary internal combustion engine continues to meet the emission standards. The permittee shall petition the Administrator for approval of operating parameters to be monitored continuously. The petition shall include the following information as described in 40 CFR 60.4211(d)(2)(i) through (v):
 - a. Identification of the specific parameters you propose to monitor continuously;
 - b. A discussion of the relationship between these parameters and NOX and PM emissions, identifying how the emissions of these pollutants change with changes in these parameters, and how limitations on these parameters will serve to limit NOX and PM emissions;
 - c. A discussion of how you will establish the upper and/or lower values for these parameters which will establish the limits on these parameters in the operating limitations;
 - d. A discussion identifying the methods and the instruments you will use to monitor these parameters, as well as the relative accuracy and precision of these methods and instruments; and
 - e. A discussion identifying the frequency and methods for recalibrating the instruments you will use for monitoring these parameters. **(40 CFR 60.4211(d))**

6. For EUENGINE43 and EUENGINE50, if the permittee purchased a non-certified engine or a certified engine operating in a non-certified manner, the permittee shall keep a maintenance plan for each engine and shall, to the extent practicable, maintain and operate each engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 60.4211(g)(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain each engine in FGSUBPARTIIIENGINESES with non-resettable hours meters to track the operating hours. **(R 336.1213(2), 40 CFR 60.4209)**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. For EUENGINE27, EUENGINE28, and EUENGINE49, the permittee shall conduct an initial performance test to demonstrate initial compliance with the NO_x and PM emission limits established in 40 CFR 60.4205, the performance tests shall be conducted, by testing at owner's expense, in accordance with 40 CFR 60.4213. **(40 CFR 60.4211(d)(1), 40 CFR 60.4213)**
2. For EUENGINE43 and EUENGINE50, the permittee shall conduct an initial performance test within one year after startup of the engine to demonstrate compliance with the THC+NO_x, CO, and PM emission limits established in 40 CFR 60.4205, unless the engines have been certified by the manufacturer and the permittee maintains the engine as required by 40 CFR Part 60 Subpart IIII. If a performance test is required, the performance tests shall be conducted, by testing at owner's expense, in accordance with 40 CFR 60.4212. The permittee shall also conduct an initial performance test to demonstrate compliance with the applicable emission standards within one year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within one year after you change emission-related settings in a way that is not permitted by the manufacturer. Subsequent performance testing shall be conducted every 8,760 hours of engine operation or 3 years, whichever comes first. **(40 CFR 60.4211(g)(3)), 40 CFR 60.4212)**
3. An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**
4. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. **(R 336.1213(3))**
5. The permittee shall conduct visible emission readings. The opacity of visible emissions shall be determined by a qualified observer and shall be certified in accordance with, and using the procedures specified in, U.S. EPA Reference Method 9 or an alternative method approved by the department. **(R 336.1303)**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall complete all required records and calculations in a format acceptable to the AQD District Supervisor by the 30th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1213(3), R 336.2803, R 336.2804)**
2. For each engine in FGSUBPARTIIIENGINESES, the permittee shall keep, in a satisfactory manner, records of testing required in SC V.1 or SC V.2 and manufacturer certification documentation indicating that each engine in FGSUBPARTIIIENGINESES meets the applicable requirements contained in the federal Standards of Performance for New Stationary Sources 40 CFR Part 60 Subpart IIII. If any engine in FGSUBPARTIIIENGINESES becomes

uncertified then the permittee must also keep records of a maintenance plan, maintenance activities, and any required testing. The permittee shall keep all records on file and make them available to the Department upon request. **(40 CFR 60.4211(a), (c), (d) and (g))**

3. The permittee shall monitor and record the total hours of operation and the hours of operation during non-emergencies for each engine in FGSUBPARTIIIIENGINES, on a monthly and 12-month rolling time period basis, in a manner acceptable to the District Supervisor, Air Quality Division. The permittee shall document how many hours are spent for emergency operation of each engine in FGSUBPARTIIIIENGINES, including what classified the operation as emergency and how many hours are spent for non-emergency operation. **(R 336.1213(3), 40 CFR 60.4211, 40 CFR 60.4214(b))**
4. The permittee shall keep, in a satisfactory manner, fuel supplier certification records or fuel sample test data, for each delivery of diesel fuel oil used in FGSUBPARTIIIIENGINES demonstrating that the fuel meets the requirement of SC II.1. The certification or test data shall include the name of the oil supplier or laboratory, the sulfur content, and cetane index or aromatic content of the fuel oil. **(R 336.1213(3), R 336.1402(1), 40 CFR 80.510(b))**
5. The permittee shall monitor and record in a satisfactory manner the diesel fuel usage rate for each engine in FGSUBPARTIIIIENGINES on a monthly and 12-month rolling time period basis. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1213(3), R 336.2803, R 336.2804)**
6. The permittee shall, for each engine in FGSUBPARTIIIIENGINES, maintain records of the following information:
 - a. Maintenance conducted on each engine.
 - b. If the engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and documentation that the certified engine and control device are operated and maintained according to the manufacturer's emission-related written instructions.
 - c. If the stationary CI internal combustion is not a certified engine, documentation that the engine meets the emission standards.**(R 336.1213(3))**
7. The permittee shall maintain records of all visual observations performed and any corrective actions taken. The records shall be made available to the Department upon request. **(R 336.1303)**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit any performance test reports to the AQD Technical Programs Unit and District Office, in a format approved by the AQD. **(R 336.1213(3)(c), R 336.2001(5))**
5. The permittee shall submit a notification specifying whether each engine in FGSUBPARTIIIIENGINES will be operated in a certified or a non-certified manner to the AQD District Supervisor, in writing, within 30 days following the issuance of this ROP and within 30 days of switching the manner of operation. **(R 336.1213(3), 40 CFR Part 60 Subpart IIII)**
6. For each engine in FGSUBPARTIIIIENGINES that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 60.4211(f), the permittee shall submit an annual report containing the information below:

- a. Company name and address where the engine is located.
- b. Date of the report and beginning and ending dates of the reporting period.
- c. Engine site rating and model year.
- d. Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
- e. Hours operated for the purposes specified in 40 CFR 60.4211(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR 60.4211(f)(2)(ii) and (iii).
- f. Number of hours the engine is contractually obligated to be available for the purposes specified in 40 CFR 60.4211(f)(2)(ii) and (iii).
- g. Hours spent for operation for the purposes specified in 40 CFR 60.4211(f)(3)(i), including the date, end time for engine operation for the purposes specified in 40 CFR 60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year. The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 CFR 60.4. **(40 CFR 60.4214(d))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with the provisions of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subpart A and Subpart IIII, as they apply to each engine in FGSUBPARTIIIIENGINES. **(40 CFR Part 60 Subparts A & IIII)**
2. The permittee shall comply with the provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR, Part 63, Subpart A and Subpart ZZZZ, as they apply to FGSUBPARTIIIIENGINES, by the initial compliance date listed in 40 CFR 63.6595. **(40 CFR Part 63 Subparts A and ZZZZ, 40 CFR 63.6595)**

Footnotes:

¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

² This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FGSUBPARTJJJJENGINES
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

New, stationary, emergency, natural gas fueled, engines, located at a major source of HAP emissions, subject to 40 CFR Part 63 Subpart ZZZZ - The National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and 40 CFR Part 60 Subpart JJJJ - The Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Emission Unit: EUENGINE29

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NO _x	2.0 g/HP-hr	Hourly	EUENGINE29	SC V.1	40 CFR 60.4233(e)
2. CO	4.0 g/HP-hr	Hourly	EUENGINE29	SC V.1	40 CFR 60.4233(e)
3. VOC	1.0 g/HP-hr	Hourly	EUENGINE29	SC V.1	40 CFR 60.4233(e)

II. MATERIAL LIMIT(S)

1. The permittee shall only burn natural gas, as defined in 40 CFR 72.2, in any engine in FGSUBPARTJJJJENGINES. **(R 336.1213(2))**
2. The permittee may operate each engine in FGSUBPARTJJJJENGINES using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. **(40 CFR 60.4243(e))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall operate and maintain each engine in FGSUBPARTJJJJENGINES such that it meets the emission limits in SC I.1, I.2, and I.3 over the entire life of the engine. **(40 CFR 60.4234, 40 CFR 60.4243(b))**
2. The permittee shall not operate each engine in FGSUBPARTJJJJENGINES for more than 500 hours per year on a 12-month rolling time period basis as determined at the end of each calendar month. The 500 hours includes the hours for the purpose of necessary maintenance checks and readiness testing as described in SC III.3. **(R 336.1213(2))**
3. The permittee may operate each engine in FGSUBPARTJJJJENGINES for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. Each engine in FGSUBPARTJJJJENGINES may operate up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing. The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate

income for a facility to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 60.4243(d))**

4. If the permittee purchased a certified engine according to procedures specified in 40 CFR Part 60 Subpart JJJJ, for the same model year, the permittee shall meet the following requirements for each engine in FGSUBPARTJJJJENGINES:
 - a. Operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions,
 - b. Keep a maintenance plan and only change those engine settings that are permitted by the manufacturer, and
 - c. Meet the requirements as specified in 40 CFR 1068 Subparts A through D. **(40 CFR 60.4243(b)(1))**
5. If the permittee purchased a non-certified engine (includes purchasing a certified engine which was not operated and maintained as specified), the permittee shall keep a maintenance plan for each engine in FGSUBPARTJJJJENGINES and shall, to the extent practicable, maintain and operate each engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 60.4243(b)(2))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain each engine in FGSUBPARTJJJJENGINES with non-resettable hours meters to track the operating hours. **(R 336.1213(2), 40 CFR 60.4237)**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall conduct an initial performance test within one year after startup of the engine to demonstrate compliance with the NO_x, CO, and VOC emission limits, unless the engines have been certified by the manufacturer and the permittee maintains the engine as required by 40 CFR Part 60 Subpart JJJJ. If a performance test is required, the performance tests shall be conducted, by testing at owner's expense, in accordance with 40 CFR 60.4244. The permittee shall also conduct an initial performance test to demonstrate compliance with the applicable emission standards within one year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within one year after you change emission-related settings in a way that is not permitted by the manufacturer. **(40 CFR 60.4243(b)(2))**
2. If propane is used for more than 100 hours per year in any engine that is not certified to the emission standards when using propane, the permittee shall conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. **(40 CFR 60.4243(e))**
3. An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**
4. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. **(R 336.1213(3))**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall monitor and record the total hours of operation and the hours of operation during non-emergencies for each engine in FGSUBPARTJJJJENGINES, on a monthly and 12-month rolling time period basis, in a manner acceptable to the District Supervisor, Air Quality Division. The permittee shall document how

many hours are spent for emergency operation of each engine in FGSUBPARTJJJJENGINES, including what classified the operation as emergency and how many hours are spent for non-emergency operation. **(R 336.1213(3), 40 CFR 60.4243, 40 CFR 60.4245)**

2. If at any time propane is used, the permittee shall keep records for engine in FGSUBPARTJJJJENGINES of the number of emergency hours in which propane was used as fuel. **(40 CFR 60.4243(e))**
3. The permittee shall keep records of the following information for each engine of FGSUBPARTJJJJENGINES:
 - a) All notifications submitted to comply with 40 CFR Part 60 Subpart JJJJ and all documentation supporting any notification.
 - b) Maintenance conducted on each engine.
 - c) If any engine in FGSUBPARTJJJJENGINES is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR Parts 90, 1048, 1054, and 1060, as applicable.
 - d) If any engine in FGSUBPARTJJJJENGINES is not a certified engine or is a certified engine operating in a non-certified manner and subject to 40 CFR 60.4243(a)(2), documentation that the engine meets the emission standards.**(R 336.1213(3), 40 CFR 60.4245(a), 40 CFR 60.4243(b)(2)(i))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit any performance test reports to the AQD Technical Programs Unit and District Office, in a format approved by the AQD. **(R 336.1213(3)(c), R 336.2001(5))**
5. The permittee shall submit a notification specifying whether each engine in FGSUBPARTIIIIENGINES will be operated in a certified or a non-certified manner to the AQD District Supervisor, in writing, within 30 days following the issuance of this ROP and within 30 days of switching the manner of operation. **(R 336.1213(3), 40 CFR Part 60 Subpart JJJJ)**
6. For each engine in FGSUBPARTJJJJENGINES that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 60.4243(d), the permittee shall submit an annual report containing the information below:
 - a. Company name and address where the engine is located.
 - b. Date of the report and beginning and ending dates of the reporting period.
 - c. Engine site rating and model year.
 - d. Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
 - e. Hours operated for the purposes specified in 40 CFR 60.4243(d)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR 60.4243(d)(2)(ii) and (iii).
 - f. Number of hours the engine is contractually obligated to be available for the purposes specified in 40 CFR 60.4211(d)(2)(ii) and (iii).
 - g. Hours spent for operation for the purposes specified in 40 CFR 60.4243(d)(3)(i), including the date, end time for engine operation for the purposes specified in 40 CFR 60.4243(d)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year. The annual report must be submitted electronically using the subpart specific reporting form in

the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 CFR 60.4. **(40 CFR 60.4245(e))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with the provisions of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subpart A and Subpart JJJJ, as they apply to each engine in FGSUBPARTJJJJENGINES. **(40 CFR Part 60 Subparts A & JJJJ)**
2. The permittee shall comply with the provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR, Part 63, Subpart A and Subpart ZZZZ, as they apply to FGSUBPARTJJJJENGINES, by the initial compliance date listed in 40 CFR 63.6595. **(40 CFR Part 63 Subparts A and ZZZZ, 40 CFR 63.6595)**

Footnotes:

¹This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

²This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

FGFUELDISPENSING FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Equipment associated with storage and dispensing of fuel used to refuel airport vehicles. This equipment consists of five underground storage vessels and corresponding dispensing equipment.

Emission Unit: EUBLDG358TANK, EUBLDG601TANK, EUBLDG703TANK1, EUBLDG703TANK2,
EUBLDG802TANK

POLLUTION CONTROL EQUIPMENT

Vapor balance system

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not load or allow the loading of gasoline from a delivery vessel into any new stationary vessel of more than 2,000-gallon capacity unless such stationary vessel is equipped with a permanent submerged fill pipe. **(R 336.1703(1))**
2. The permittee shall not load or allow the loading of gasoline from a delivery vessel into a new stationary vessel of more than 2,000 gallon capacity located at a new gasoline dispensing facility or an existing gasoline dispensing facility subject to R 336.1606(3) and (4) unless such stationary vessel is controlled by a vapor balance system or an equivalent control system approved by the Department. The vapor balance system shall capture displaced gasoline vapor and air via a vapor tight collection line and shall be designed to return not less than 90% by weight of the displaced gasoline vapor from the stationary vessel to the delivery vessel. **(R 336.1703(2))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The stationary vessels in FGFUELDISPENSING shall be equipped, maintained or controlled with both of the following:
 - a. An interlocking system or procedure to ensure that the vapor-tight collection line is connected before any gasoline can be loaded. **(R 336.1703(3)(a))**
 - b. The stationary vessel shall be equipped, maintained, or controlled with a device to ensure that the vapor-tight collection line shall close upon disconnection so as to prevent release of gasoline vapor. **(R 336.1703(3)(b))**
2. Any delivery vessel controlled by a vapor balance system or an equivalent control system shall be vapor-tight and shall be filled only at a loading facility that is equipped with a system as required in R336.1606(3) and (4), R336.1609(2) and (3), R336.1705(2) and (3) and R336.1706(2) and (3). **(R 336.1703(4))**

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

NA

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. Any existing gasoline tank (placed into operation before 07/01/79) shall comply with the requirements of Rule 606. **(R 336.1606)**
2. Any new gasoline tank (placed into operation on or after 07/01/79) shall comply with the requirements of Rule 703. **(R 336.1703)**

Footnotes:

- ¹ This condition is state only enforceable and was established pursuant to Rule 201(1)(b).
- ² This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

FGRULE287(2)(c)
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rules 278, 278a and 287(2)(c). Emission units installed/modified before December 20, 2016, may show compliance with Rule 287 in effect at the time of installation/modification.

Emission Units installed on or after December 20, 2016

NA

Emission Units installed prior to December 20, 2016

EUPAINTBOOTH

POLLUTION CONTROL EQUIPMENT

Particulate filter

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/Operating Scenario	Equipment	Underlying Applicable Requirement
1. Coatings	200 Gallons/month (minus water as applied)	Calendar month	EUPAINTBOOTH	R 336.1287(2)(c)(i)

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

- Any exhaust system installed on or after December 20, 2016, that serves only coating spray equipment shall be equipped with a dry filter control or water wash control which is installed, maintained, and operated in accordance with the manufacturer's specifications, or the permittee develops a plan which provides to the extent practicable for the maintenance and operation of the equipment in a manner consistent with good air pollution control practices for minimizing emissions. All emission units installed before December 20, 2016, with an exhaust system that serves only coating spray equipment must have a properly installed and operated particulate control system. (R 336.1213(2), R 336.1287(2)(c)(ii), R 336.1910)

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall maintain records of the following information for each emission unit for each calendar month using the methods outlined in the DEQ, AQD Rule 287(2)(c), Permit to Install Exemption Record form (EQP 3562) or in a format acceptable to the AQD District Supervisor. **(R 336.1213(3))**
 - a. Volume of coating used, as applied, minus water, in gallons. **(R 336.1287(2)(c)(iii))**
 - b. For emission units installed on or after December 20, 2016, documentation of any filter replacements or maintenance of water wash control for exhaust systems serving coating spray equipment or other documentation included in a plan developed by the owner or operator of the equipment. For emission units installed before December 20, 2016, documentation that the exhaust system that serves only coating spray equipment is supplied with a properly installed and operating particulate control system. **(R 336.1213(3))**

See Appendix 4

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

FGCOLDCLEANERS FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Any cold cleaner that is grandfathered or exempt from Rule 201 pursuant to Rule 278, 278a and Rule 281(2)(h) or Rule 285(2)(r)(iv). Existing cold cleaners were placed into operation prior to July 1, 1979. New cold cleaners were placed into operation on or after July 1, 1979.

Emission Unit: EUCOLDCLEANERS

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

1. The permittee shall not use cleaning solvents containing more than five percent by weight of the following halogenated compounds: methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, chloroform, or any combination thereof. **(R 336.1213(2))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Cleaned parts shall be drained for no less than 15 seconds or until dripping ceases. **(R 336.1611(2)(b), R 336.1707(3)(b))**
2. The permittee shall perform routine maintenance on each cold cleaner as recommended by the manufacturer. **(R 336.1213(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The cold cleaner must meet one of the following design requirements:
 - a. The air/vapor interface of the cold cleaner is no more than ten square feet. **(R 336.1281(2)(h))**
 - b. The cold cleaner is used for cleaning metal parts and the emissions are released to the general in-plant environment. **(R 336.1285((2)r)(iv))**
2. The cold cleaner shall be equipped with a device for draining cleaned parts. **(R 336.1611(2)(b), R 336.1707(3)(b))**
3. All new and existing cold cleaners shall be equipped with a cover and the cover shall be closed whenever parts are not being handled in the cold cleaner. **(R 336.1611(2)(a), R 336.1707(3)(a))**
4. The cover of a new cold cleaner shall be mechanically assisted if the Reid vapor pressure of the solvent is more than 0.3 psia or if the solvent is agitated or heated. **(R 336.1707(3)(a))**
5. If the Reid vapor pressure of any solvent used in a new cold cleaner is greater than 0.6 psia; or, if any solvent used in a new cold cleaner is heated above 120 degrees Fahrenheit, then the cold cleaner must comply with at least one of the following provisions:
 - a. The cold cleaner must be designed such that the ratio of the freeboard height to the width of the cleaner is equal to or greater than 0.7. **(R 336.1707(2)(a))**

- b. The solvent bath must be covered with water if the solvent is insoluble and has a specific gravity of more than 1.0. **(R 336.1707(2)(b))**
- c. The cold cleaner must be controlled by a carbon adsorption system, condensation system, or other method of equivalent control approved by the AQD. **(R 336.1707(2)(c))**

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

- 1. For each new cold cleaner in which the solvent is heated, the solvent temperature shall be monitored and recorded at least once each calendar week during routine operating conditions. **(R 336.1213(3))**
- 2. The permittee shall maintain the following information on file for each cold cleaner: **(R 336.1213(3))**
 - a. A serial number, model number, or other unique identifier for each cold cleaner.
 - b. The date the unit was installed, manufactured or that it commenced operation.
 - c. The air/vapor interface area for any unit claimed to be exempt under Rule 281(2)(h).
 - d. The applicable Rule 201 exemption.
 - e. The Reid vapor pressure of each solvent used.
 - f. If applicable, the option chosen to comply with Rule 707(2).
- 3. The permittee shall maintain written operating procedures for each cold cleaner. These written procedures shall be posted in an accessible, conspicuous location near each cold cleaner. **(R 336.1611(3), R 336.1707(4))**
- 4. As noted in Rule 611(2)(c) and Rule 707(3)(c), if applicable, an initial demonstration that the waste solvent is a safety hazard shall be made prior to storage in non-closed containers. If the waste solvent is a safety hazard and is stored in non-closed containers, verification that the waste solvent is disposed of so that not more than 20 percent, by weight, is allowed to evaporate into the atmosphere shall be made on a monthly basis. **(R 336.1213(3), R 336.1611(2)(c), R 336.1707(3)(c))**

VII. REPORTING

- 1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
- 2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
- 3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

E. NON-APPLICABLE REQUIREMENTS

At the time of the ROP issuance, the AQD has determined that no non-applicable requirements have been identified for incorporation into the permit shield provision set forth in the General Conditions in Part A pursuant to Rule 213(6)(a)(ii).

APPENDICES

Appendix 1. Acronyms and Abbreviations

Common Acronyms		Pollutant / Measurement Abbreviations	
AQD	Air Quality Division	acfm	Actual cubic feet per minute
BACT	Best Available Control Technology	BTU	British Thermal Unit
CAA	Clean Air Act	°C	Degrees Celsius
CAM	Compliance Assurance Monitoring	CO	Carbon Monoxide
CEM	Continuous Emission Monitoring	CO ₂ e	Carbon Dioxide Equivalent
CEMS	Continuous Emission Monitoring System	dscf	Dry standard cubic foot
CFR	Code of Federal Regulations	dscm	Dry standard cubic meter
COM	Continuous Opacity Monitoring	°F	Degrees Fahrenheit
Department/ department	Michigan Department of Environment, Great Lakes, and Energy	gr	Grains
EGLE	Michigan Department of Environment, Great Lakes, and Energy	HAP	Hazardous Air Pollutant
EU	Emission Unit	Hg	Mercury
FG	Flexible Group	hr	Hour
GACS	Gallons of Applied Coating Solids	HP	Horsepower
GC	General Condition	H ₂ S	Hydrogen Sulfide
GHGs	Greenhouse Gases	kW	Kilowatt
HVLP	High Volume Low Pressure*	lb	Pound
ID	Identification	m	Meter
IRSL	Initial Risk Screening Level	mg	Milligram
ITSL	Initial Threshold Screening Level	mm	Millimeter
LAER	Lowest Achievable Emission Rate	MM	Million
MACT	Maximum Achievable Control Technology	MW	Megawatts
MAERS	Michigan Air Emissions Reporting System	NMOC	Non-methane Organic Compounds
MAP	Malfunction Abatement Plan	NO _x	Oxides of Nitrogen
MSDS	Material Safety Data Sheet	ng	Nanogram
NA	Not Applicable	PM	Particulate Matter
NAAQS	National Ambient Air Quality Standards	PM10	Particulate Matter equal to or less than 10 microns in diameter
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
NSPS	New Source Performance Standards	pph	Pounds per hour
NSR	New Source Review	ppm	Parts per million
PS	Performance Specification	ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration	ppmw	Parts per million by weight
PTE	Permanent Total Enclosure	%	Percent
PTI	Permit to Install	psia	Pounds per square inch absolute
RACT	Reasonable Available Control Technology	psig	Pounds per square inch gauge
ROP	Renewable Operating Permit	scf	Standard cubic feet
SC	Special Condition	sec	Seconds
SCR	Selective Catalytic Reduction	SO ₂	Sulfur Dioxide
SNCR	Selective Non-Catalytic Reduction	TAC	Toxic Air Contaminant
SRN	State Registration Number	Temp	Temperature
TEQ	Toxicity Equivalence Quotient	THC	Total Hydrocarbons
USEPA/EPA	United States Environmental Protection Agency	tpy	Tons per year
VE	Visible Emissions	µg	Microgram
		µm	Micrometer or Micron
		VOC	Volatile Organic Compounds
		yr	Year

*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig.

Appendix 2. Schedule of Compliance

The permittee certified in the ROP application that this stationary source is in compliance with all applicable requirements and the permittee shall continue to comply with all terms and conditions of this ROP. A Schedule of Compliance is not required. (R 336.1213(4)(a), R 336.1119(a)(ii))

Appendix 3. Monitoring Requirements

Specific monitoring requirement procedures, methods or specifications are detailed in Part A or the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, this appendix is not applicable.

Appendix 4. Recordkeeping

Specific recordkeeping requirement formats and procedures are detailed in Part A or the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, this appendix is not applicable.

Appendix 5. Testing Procedures

Specific testing requirement plans, procedures, and averaging times are detailed in the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, this appendix is not applicable.

Appendix 6. Permits to Install

The following table lists any PTIs issued or ROP revision applications received since the effective date of the previously issued ROP No. MI-ROP-M4174-2010. Those ROP revision applications that are being issued concurrently with this ROP renewal are identified by an asterisk (*). Those revision applications not listed with an asterisk were processed prior to this renewal.

Source-Wide PTI No MI-PTI-M4174-2010 is being reissued as Source-Wide PTI No. MI-PTI-M4174-2020.

Permit to Install Number	ROP Revision Application Number	Description of Equipment or Change	Corresponding Emission Unit(s) or Flexible Group(s)
109-11	NA	Installation of four fire-tube boilers, each with a maximum heat input rate of 20.8 MMBtu/hr when burning natural gas and 20.4 MMBtu/hr when burning fuel oil.	FGNEWBOILERS
175-10A	NA	Installation of one emergency use, natural gas-fired turbine.	EUTURBINE
175-10A	NA	Installation of one diesel fuel-fired engine which is used as a starter engine for EUTURBINE.	EUGEN

Appendix 7. Emission Calculations

The permittee shall use the following calculations in conjunction with monitoring, testing or recordkeeping data to determine compliance with the applicable requirements referenced in the Source-Wide requirements:

Procedures for Calculating Facility NO_x and CO Emissions

Compliance will be demonstrated by keeping track of all fuel usage (natural gas, diesel, and Jet-A fuel) for all equipment using such fuel at this facility and multiplying that fuel usage by an appropriate emission factor. The emission factors are typically expressed as the mass of pollutant per unit of fuel.

The limits expressed in this permit are default emission factors.

The permittee shall only use emission factors contained in AP-42 (Compilation of Air Pollutant Emission Factors), the FIRE (Factor Information Retrieval) database, or derived from source specific testing (stack testing). In the event that the permittee is requested to perform stack testing, the default emission factor shall be replaced with the tested value. If other emission source values are used, the permittee shall obtain the approval of the district supervisor before using the emission factors to calculate emissions.

The permittee shall document the source of the emission factors used in the calculations.

Appendix 8. Reporting

A. Annual, Semiannual, and Deviation Certification Reporting

The permittee shall use EGLE, AQD, Report Certification form (EQP 5736) and EGLE, AQD, Deviation Report form (EQP 5737) for the annual, semiannual and deviation certification reporting referenced in the Reporting Section of the Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Alternative formats must meet the provisions of Rule 213(4)(c) and Rule 213(3)(c)(i), respectively, and be approved by the AQD District Supervisor.

B. Other Reporting

Specific reporting requirement formats and procedures are detailed in Part A or the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, Part B of this appendix is not applicable.