MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

EFFECTIVE DATE: September 14, 2011

ISSUED TO

Ford Romeo Engine Plant

State Registration Number (SRN): B2869

LOCATED AT

701 E. 32 Mile Road, Romeo, Michigan 48065

RENEWABLE OPERATING PERMIT

Permit Number: MI-ROP-B2869-2011

Expiration Date: September 12, 2016

Administratively Complete ROP Renewal Application Due Between March 14, 2015 and March 13, 2016

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 Michigan Air Pollution Control Rule 210(1), 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-B2869-2011

This Permit to Install (PTI) is issued in accordance with and subject to Section 5505(5) of Act 451. Pursuant to Michigan Air Pollution Control Rule 214a, 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 Environmental Quality

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Christopher Ethridge, Acting Southeast Michigan 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 Environmental Quality (MDEQ) 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 will be identified for each ROP term or condition. All terms and conditions that are included in a PTI, are streamlined or subsumed, 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 federally enforceable Source- wide PTI No. MI-PTI-B2869-2011 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). **(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. Except as provided in Subrules 2, 3, and 4 of Rule 301, states in part; "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 Rule 301(1)(a) or (b) unless otherwise specified in this ROP." The grading of visible emissions shall be determined in accordance with Rule 303. **(R 336.1301(1) in pertinent part)**:
    a. A 6-minute average of 20 percent opacity, except for one 6-minute average per hour of not more than 27 percent opacity.
    b. A limit specified by an applicable federal new source performance standard.

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). **(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(4))**

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 states 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. **(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. **(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(9))**

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(7))**

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 reclaimer, 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, Part 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, Part 68.10(a):
    a. June 21, 1999,
    b. Three years after the date on which a regulated substance is first listed under 40 CFR, Part 68.130, or
    c. 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, MDEQ. [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, or has been interrupted for 18 months, the applicable terms and conditions from that PTI 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, MDEQ, 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:
[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).

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.

C. EMISSION UNIT 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
EU-ALBLOCKTRANS	Aluminum engine block transfer machining line-exempt from permit to install requirements by R336.1285(l)(vi)(c).	09/01/1993	FG-OTHER MACHINING LINES
EU-HEAD	Engine head machining line- exempt from permit to install requirements by R336.1285(l)(vi)(c).	12/6/2004	FG-OTHER MACHINING LINES
EU-CRANKSHAFT	Crankshaft machining line- exempt from permit to install requirements by R336.1285(l)(vi)(c).	9/1/1992, (replaced some machines) 1/4/10	FG-OTHER MACHINING LINES
EU-CAMSHAFT30	Camshaft machining operations (Camshaft MOM 30)- exempt from permit to install requirements by R336.1285(l)(vi)(c).	2/1/1995	FG-OTHER MACHINING LINES
EU-CASTIRONBLOCK	Cast iron engine block machining line	9/1/1989	FG-205-87A
EU-CONNROD	Connecting rod machining line	9/1/1989	FG-205-87A
EU-2VCRANKSHAFT	2-valve crank shaft machining line	9/1/1989	FG-205-87A
EU-CAMSHAFT21	Camshaft machining operations (Camshaft MOM 21)	9/1/1989	FG-205-87A
EU-CYLHEADBLOCK	Cylinder head and block machining line	9/1/1989, (block machining began) 1/4/10	FG-205-87A
EU-DYNO01	One dynamometer test cell (4) that performs assurance tests on engines produced in the plant. During testing, engines are cycled through varying speeds for different periods of time. The air pollutant emissions from this test cell are controlled by a recuperative thermal oxidizer.	6/1/1994	FG-382-94
EU-DYNO02	One dynamometer test cell (6) that performs assurance tests on engines produced in the plant. During testing, engines are cycled through varying speeds for different periods of time. The air pollutant emissions from this test cell are controlled by a recuperative thermal oxidizer.	6/1/1994	FG-382-94

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU-COLDCLEANERS	Any cold cleaner that is grandfathered or exempt from Rule 201 pursuant to Rule 278 and Rule 281(h) or Rule 285(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.	NA	FG-COLDCLEANERS
EU-SINGLESTAND1-8	Engine repair/stand-alone hot test stands - 8 stands	1/1/1989	FG-278-99B
EU-GASDISPENSING	10,000 gallon unleaded gasoline underground storage tank associated with fuel feed system	6/1/1988	FG-278-99B
EU-UST	10,000 gallon unleaded gasoline Underground storage tank associated with the fuel feed system.	6/1/1988	FG-278-99B
EU-DRYCRANK1-3	Dry machining of cranks and handling of chips produced by the machining operations; including associated exhaust systems and common baghouse dust collector, DDC1.	1/4/10	FG-DRYCRANK
EU-DRYBLOCK5	Dry machining of engine blocks and handling of chips produced by the machining operations; including associated exhaust systems and baghouse dust collector, DDC5.	1/4/10	FG-DRYBLOCK5-9
EU-DRYBLOCK6	Dry machining of engine blocks and handling of chips produced by the machining operations; including associated exhaust systems and baghouse dust collector, DDC6.	1/4/10	FG-DRYBLOCK5-9
EU-DRYBLOCK7	Dry machining of engine blocks and handling of chips produced by the machining operations; including associated exhaust systems and baghouse dust collector, DDC7.	1/4/10	FG-DRYBLOCK5-9
EU-DRYBLOCK8	Dry machining of engine blocks and handling of chips produced by the machining operations; including associated exhaust systems and baghouse dust collector, DDC8.	1/4/10	FG-DRYBLOCK5-9
EU-DRYBLOCK9	Dry machining of engine blocks and handling of chips produced by the machining operations; including associated exhaust systems and baghouse dust collector, DDC9.	1/4/10	FG-DRYBLOCK5-9
EU-EMERGRICEPH1	Emergency Generator: Natural Gas Back-up Generator @ Penthouse 1 Gen#234738	10/29/88	FG-EMERGENCY RICE < 500 HP
EU-EMERGRICEPH2	Emergency Generator: Natural Gas Back-up Generator @ Penthouse 2 Gen#321001	11/25/92	FG-EMERGENCY RICE < 500 HP
EU-EMERGRICEPH3	Emergency Generator: Natural Gas Back-up Generator @ Penthouse 3 Gen#254951	10/31/89	FG-EMERGENCY RICE < 500 HP
EU-EMERGRICEPH4	Emergency Generator: Natural Gas Back-up Generator @ Penthouse 4 Gen#254947	10/31/89	FG-EMERGENCY RICE < 500 HP
EU-EMERGRICEPH5	Emergency Generator: Natural Gas Back-up Generator @ Penthouse 5 Gen#234737	10/29/88	FG-EMERGENCY RICE < 500 HP
EU-EMERGRICEPH6	Emergency Generator: Natural Gas Back-up Generator @ Penthouse 6 Gen#0640404	9/21/99	FG-EMERGENCY RICE < 500 HP
EU-EMERGRICEPH7	Emergency Generator: Natural Gas Back-up Generator @ Penthouse 7 Gen#0695152	1/26/01	FG-EMERGENCY RICE < 500 HP

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU-EMERGRICEFP1	Emergency Fire Pump #1	~1979	FG-EMERGENCY RICE < 500 HP
EU-EMERGRICEFP2	Emergency Fire Pump #2	~1979	FG-EMERGENCY RICE < 500 HP
EU-EMERGRICEFP3	Emergency Fire Pump #3	3/11/98	FG-EMERGENCY RICE < 500 HP
EU-EMERGRICEFP4	Emergency Fire Pump #4	5/17/04	FG-EMERGENCY RICE < 500 HP

D. FLEXIBLE GROUP 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
FG-OTHER MACHINING LINES	Machining operations, with associated oil mist collection units, exempt from permit to install (R336.1201) requirements by R336.1285(l)(vi)(C)	EU-ALBLOCKTRANS, EU-HEAD, EU-CRANKSHAFT, EU-CAMSHAFT30
FG-205-87A	Machining operations, with associated oil mist collection unit, originally covered under PTI 205-87A	EU-CASTIRONBLOCK, EU-CONNROD, EU-2VCRANKSHAFT, EU-CAMSHAFT21, EU-CYLHEADBLOCK
FG-DRYCRANK	Dry machining of cranks and handling of chips produced by the machining operations; including associated exhaust systems and common baghouse dust collector, DDC1 covered under PTI 50-07B.	EU-DRYCRANK1-3
FG-DRYBLOCK5-9	Dry machining of engine blocks and handling of chips produced by the machining operations; including associated exhaust systems and baghouse dust collector, DDC5-DDC9 covered under PTI-50-07B.	EU-DRYBLOCK5 EU-DRYBLOCK6 EU-DRYBLOCK7 EU-DRYBLOCK8 EU-DRYBLOCK9
FG-382-94	Two dynamometer cells that perform quality assurance tests on a select number of engines produced in the plant. During testing, the engines are cycled through varying speeds for different periods of time. The air pollutant emissions from these test cells are controlled by a recuperative thermal oxidizer.	EU-DYN001, EU-DYN002
FG-278-99B	Hot test stands, underground storage tanks and flares	EU-UST EU-GASDISPENSING EU-SINGLESTAND1-8
FG-FACILITY	Facility wide emission and material limits.	All Emission Units
FG-GASOLINE DISPENSING < 10,000/MONTH	Gasoline dispensing operation < 10,000 gallons per month subject to 40 CFR 63 Subpart CCCCCC.	EU-MAINTGAS
FG-GASOLINE DISPENSING ≥10,000 AND <100,000/MONTH	Gasoline dispensing operation <100,000 gallons per month and ≥ 10,000 gallons per month subject to 40 CFR 63 Subpart CCCCCC.	EU-UST EU-GASDISPENSING

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FG-EMERGENCY RICE < 500 HP	Emergency RICE < 500 brake horsepower (e.g., generators, fire pumps, etc.) subject to 40 CFR 63 Subpart ZZZZ when applicable.	EU-EMERGRICEPH1 EU-EMERGRICEPH2 EU-EMERGRICEPH3 EU-EMERGRICEPH4 EU-EMERGRICEPH5 EU-EMERGRICEPH6 EU-EMERGRICEPH7 EU-EMERGRICEFP1 EU-EMERGRICEFP2 EU-EMERGRICEFP3 EU-EMERGRICEFP4
FG-COLDCLEANERS	Any cold cleaner that is grandfathered or exempt from Rule 201 pursuant to Rule 278 and Rule 281(h) or Rule 285(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.	
FG-RULE 287(c)	Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rules 278 and 287(c).	
FG-RULE 290	Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rules 278 and 290.	

FG OTHER MACHINING LINES
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Machining operations, with associated oil mist collection units, exempt from permit to install (R336.1201) requirements by R336.1285(l)(vi)(C)

Emission Units:
EU-ALBLOCKTRANS, EU-HEAD, EU-CRANKSHAFT, EU-CAMSHAFT30

POLLUTION CONTROL EQUIPMENT

Medium velocity Oil Mist Collectors (Particulate Matter control units)

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter (PM)	0.1 pounds	Per 1000 pounds of exhaust gases calculated on a dry basis	Each machining line: EU-ALBLOCKTRANS EU-HEAD EU-CRANKSHAFT EU-CAMSHAFT30	Section VI, GC13	**R336.1331**

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Permittee shall not operate the FG-OTHERMACHINGLINES' exhaust systems unless the associated particulate control equipment is installed and operating properly. **(R336.1910)**

2. Permittee shall equip and maintain the associated control equipment with a pressure drop indicator.**(R336.1213(3))**

V. TESTING/SAMPLING

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

1. NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. Permittee shall inspect each particulate control unit and record the pressure drop of each unit at least once per calendar month when production occurs. **R336.1213(3))**

2. Permittee shall keep a log book containing the particulate control unit name, monitoring schedule, and the manufacturer's recommended pressure drop across the filter. **(R336.1213(3))**

3. When each control equipment is inspected, permittee shall record the following: **(R336.1213(3))**
    a. Control equipment (oil mist collector) Identification
    b. Date of inspection
    c. Pressure drop reading

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)

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. NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. NA

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).

FG-205-87A
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Machining operations, with associated oil mist collection units, originally covered by PTI 205-87A.

Emission Unit: EU-CASTIRONBLOCK., EUCONNROD, EU-2VCRANKSHAFT, EU-CAMSHAFT21, EUCYLHEADBLOCK

POLLUTION CONTROL EQUIPMENT

Oil mist collectors (Particulate matter control units) MOM1-MOM21-MOM31 & MOM35

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
Particulate Matter (PM)	0.0070 pounds[2]	Per 1,000 pounds of exhaust gases, calculated on a dry gas basis	Each machining line: EU-CAMSHAFT21 EU-CASTIRONBLOCK EU-2VCRANKSHAFT EU-CYLHEADBLOCK EU-CONNROD	Section VI, GC13	**R336.1331(1)(c)**
	13.5 pounds[2]	Per hour	All machining lines combined: EU-CAMSHAFT21 EU-CASTIRONBLOCK EU-2VCRANKSHAFT EU-CYLHEADBLOCK EU-CONNROD	Section VI, GC13	**R336.1201(3)**
	59.1 tons[2]	Per year	All machining lines combined: EU-CAMSHAFT21 EU-CASTIRONBLOCK EU-2VCRANKSHAFT EU-CYLHEADBLOCK EU-CONNROD	Section VI, GC13	**R336.1201(3)**

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Permittee shall not operate the machining line's exhaust systems unless associated particulate control equipment is installed and operating properly.[2] **(R336.1201(3))**

2. Permittee shall equip and maintain the associate particulate control equipment with a pressure drop indicator.[2] **(R336.1201(3))**

V. TESTING/SAMPLING

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

1. NA

VI. MONITORING/RECORDKEEPING

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

1. Permittee shall inspect each particulate control unit and record pressure drop of each particulate control unit at least once per calendar week when production occurs.[2] **(R336.1201(3)), (R336.1213(3))**

2. Permittee shall keep a logbook containing the particulate control unit name, monitoring schedule, and the manufacturer's recommended pressure drop across the filter.[2] **(R336.1201(3)), (R336.1213(3))**

3. When each particulate control is inspected, permittee shall record the following: **(R336.1213(3))**

    a. Oil mist collector identification
    b. Date of each inspection
    c. Pressure drop

4. Permittee shall calculate and record the total particulate emission rate, in tons, from EU-CAMSHAFT21, EU-CASTIRONBLOCK, EU-2VCRANKSHAFT, EU-CYLHEADBLOCK, and EU-CONNROD each calendar month when production occurs.[2] **(R336.1201(3)), (R336.1213(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))**

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. SVMOM35	NA	NA	**NA**
2. SVMOM20	42[2]	41[2]	**R336.1201(3)**
3. SVMOM16	42[2]	41[2]	**R336.1201(3)**
4. SVMOM8	42[2]	41[2]	**R336.1201(3)**
5. SVMOM31	NA	NA	**NA**
6. SVMOM17	42[2]	41[2]	**R336.1201(3)**
7. SVMOM15	42[2]	41[2]	**R336.1201(3)**
8. SVMOM19	42[2]	41[2]	**R336.1201(3)**
9. SVMOM18	42[2]	41[2]	**R336.1201(3)**
10. SVMOM13	42[2]	41[2]	**R336.1201(3)**
11. SVMOM14	42[2]	41[2]	**R336.1201(3)**
12. SVMOM12	42[2]	41[2]	**R336.1201(3)**
13. SVMOM21	42[2]	41[2]	**R336.1201(3)**
14. SVMOM11	42[2]	41[2]	**R336.1201(3)**
15. SVMOM9	42[2]	41[2]	**R336.1201(3)**
16. SVMOM6	42[2]	41[2]	**R336.1201(3)**
17. SVMOM4	42[2]	41[2]	**R336.1201(3)**
18. SVMOM1	42[2]	41[2]	**R336.1201(3)**
19. SVMOM10	42[2]	41[2]	**R336.1201(3)**
20. SVMOM7	42[2]	41[2]	**R336.1201(3)**
21. SVMOM5	42[2]	41[2]	**R336.1201(3)**
22. SVMOM3	42[2]	41[2]	**R336.1201(3)**
23. SVMOM2	42[2]	41[2]	**R336.1201(3)**

IX. OTHER REQUIREMENT(S)

1. NA

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).

FG-DRYCRANK
FLEXIBLE GROUP CONDITIONS

DESCRIPTION
Dry machining of cranks and handling of chips produced by the machining operations; including associated exhaust systems and common baghouse dust collector, DDC1.

Emission Unit: EU-DRYCRANK1-3

POLLUTION CONTROL EQUIPMENT
Baghouse Dust Collector

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	0.004[2] lbs per 1000 lbs of exhaust gases*	Test Protocol	FG-DRYCRANK	Section VI, GC13	R 336.1331
2. PM-10	0.27[2] Pounds Per Hour*	Test Protocol	FG-DRYCRANK	Section VI, GC13	R 336.2803 R 336.2804 40 CFR 52.21 Subparts (c) & (d)
* Calculated on a dry gas basis.					

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Visible emissions from FG-DRYCRANK shall not exceed a six-minute average of five percent opacity. **(R 336.1301, R 336.1303)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate the exhaust system for any emission unit portion of FG-DRYCRANK unless the baghouse dust collector is installed, maintained, and operated in a satisfactory manner.[2] **(R 336.1331, R 336.1901, R 336.1910, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))**

2. The permittee shall equip and maintain the baghouse dust collector with a pressure drop indicator. **(R336.1213(3))**

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

1. 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 inspect the baghouse dust collector and record pressure drop at least once per calendar month when production occurs. **(R336.1213(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))**

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
SV-DDC1	26.0[2]	36.0[2]	R 336.1901 R 336.2803 R 336.2804 40 CFR 52.21 (c) & (d)

IX. OTHER REQUIREMENT(S)

1. NA

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).

FG-DRYBLOCK5-9
FLEXIBLE GROUP CONDITIONS

DESCRIPTION
Dry machining of engine blocks and handling of chips produced by the machining operations; including associated exhaust systems and baghouse dust collector DDC5-DDC9.

Emission Unit:
EU-DRYBLOCK5, EU-DRYBLOCK6, EU-DRYBLOCK7, EU-DRYBLOCK8, EU-DRYBLOCK9

POLLUTION CONTROL EQUIPMENT
Dry dust collectors DDC5 – DDC9

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	0.004[2] lbs per 1000 lbs of exhaust gas*	Test Protocol	FG-DRYBLOCK5-9	Section VI, GC13	R336.1331
2. PM-10	0.27 Pounds per Hour[2]	Test Protocol	EU-DRYBLOCK5	Section VI, GC13	R336.2803, R336.2804, 40 CFR 52.21 Subparts (c) & (d)
3. PM-10	0.2 Pounds per Hour[2]	Test Protocol	EU-DRYBLOCK6	Section VI, GC13	R336.2803, R336.2804, 40 CFR 52.21 Subparts (c) & (d)
4. PM-10	0.3 Pounds per Hour[2]	Test Protocol	EU-DRYBLOCK7	Section VI, GC13	R336.2803, R336.2804, 40 CFR 52.21 Subparts (c) & (d)
5. PM-10	0.27 Pounds per Hour[2]	Test Protocol	EU-DRYBLOCK8	Section VI, GC13	R336.2803, R336.2804, 40 CFR 52.21 Subparts (c) & (d)
6. PM-10	0.10 Pounds per Hour[2]	Test Protocol	EU-DRYBLOCK9	Section VI, GC13	R336.2803, R336.2804, 40 CFR 52.21 Subparts (c) & (d)
* Calculated on a dry gas basis.					

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Visible emissions from FG-DRYBLOCK5-9 shall not exceed a six-minute average of five percent opacity.[2] **(R 336.1301, R 336.1303)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate the exhaust system for FG-DRYBLOCK5-9 unless the associated baghouse dust collector is installed, maintained, and operated in a satisfactory manner.[2] **(R 336.1331, R 336.1901, R 336.1910, R 336.2803, R 336.2804, 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. 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 inspect the particulate control unit and record pressure drop at least once per calendar month when production occurs. **(R336.1213(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))**

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-DDC5	28.0	36.0	R336.1901, R336.2803, R336.2804, 40 CFR 52.21 (c) & (d)
2. SV-DDC6	22.0[2]	36.0[2]	R336.1901, R336.2803, R336.2804, 40 CFR 52.21 (c) & (d)
3. SV-DDC7	34.0	36.0	R336.1901, R336.2803, R336.2804, 40 CFR 52.21 (c) & (d)

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
4. SV-DDC8	30.0	36.0	R336.1901, R336.2803, R336.2804, 40 CFR 52.21 (c) & (d)
5. SV-DDC9	16.0	36.0	R336.1901, R336.2803, R336.2804, 40 CFR 52.21 (c) & (d)

IX. OTHER REQUIREMENT(S)

1. NA

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).

FG-382-94
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Two dynamometer cells (EUDYNO01, EUDYNO02) that perform quality assurance tests on a select number of engines produced in the plant. During testing, the engines are cycled through varying speeds for different periods of time. The air pollutant emissions from these test cells are controlled by a recuperative thermal oxidizer.

Emission Unit:
EU-DYN001, EU-DYN002

POLLUTION CONTROL EQUIPMENT

Recuperative Thermal Oxidizer

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NOx	0.21 pounds[2]	Per gallon of gasoline burned, based on a three hour average	FG-382-94	SC V.1 & SC V.2	R336.1201(3)
2. NOx	11.08 pounds[2]	Per hour	FG-382-94	SC V.1 & SC V.2	R336.1201(3)
3. NOx	16.0 tons[2]	Per 12 month rolling time period as determined at the end of each calendar month.	FG-382-94	SC V.1 & SC V.2	R336.1201(3)
4. VOC	1.0 pounds[2]	Per hour	FG-382-94	SC V.1 & SC V.2	R336.1201(3)
5. VOC	1.5 tons[2]	Per 12 month rolling time period as determined at the end of each calendar month.	FG-382-94	SC V.1 & SC V.2	R336.1201(3)
6. 1,3-butadiene	1.17 milligrams[1] Per cubic meter. Corrected to 70oF and 29.92 inches of Hg	Test Protocol	FG-382-94	SC V.1 & SC V.2	R336.1201(3)

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Gasoline	1,266 gallons[2]	Per day	FG-382-94	Section VI	R336.1201(3)
2. Gasoline	150,000 gallons[2]	Per year based upon a 12 month rolling time period as determined at the end of each calendar month.	FG-382-94	Section VI	R336.1201(3)

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Permittee shall only use unleaded gasoline in the dynamometer test cells.[2] **(R336.1201(3))**

2. Permittee shall not operate any of the test cells unless minimum temperature of 1400°F and a minimum retention time of 0.5 seconds in maintained in the thermal oxidizer.[2] **(R336.1201(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The two internal combustion engines test cells with associated dynamometers shall not be operated unless the thermal oxidizer is installed and operating properly.[2] **(R336.1201(3))**

V. TESTING/SAMPLING

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

1. Verification of NOx, VOC and 1, 3-butadiene emission rates from FG-382.94, by testing, at owner's expense, in accordance with Department's requirements, may be required. **(R336.2001, R336.1213(3))**

2. All testing, sampling, analytical and calibration procedures used for the NOX, VOC, and 1,3-butadiene test program shall be performed in accordance with 40 CFR, Part 60, Appendix A, Methods 7E and 18, or other acceptable reference methods approved by the AQD. **(R336.1213(3))**

3. Not less than 30 days prior to testing, a complete stack testing plan must be submitted to the Air Quality Division. The final plan, including all test methods and procedures, must be approved by AQD prior to testing. **(R336.1213(3))**

4. Not less than 7 days before performance tests are conducted; the permittee shall notify the AQD District Supervisor, in writing, about the time, and place of performance test and who will conduct the test. **(R336. 2001(3))**

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. Permittee shall record the total amount of gasoline used in the test cells on a daily basis and compile the fuel usage for the cells each calendar month that testing occurs. **(R336.1213(3))**

2. Permittee shall monitor and record combustion temperature of the thermal oxidizer on a continuous basis using instrumentation acceptable to the Air Quality Division when the test cells are in operation. Periodic malfunctions of the temperature data collection system will not constitute a reportable deviation provided that the requirements of conditions 5, 6 and 7 of this section are performed and the results indicate that the interlocks were performing properly and the results of the interlock tests are logged along with the date and times of instrumentation malfunction. **(R336.1213(3))**

3. Permittee shall maintain a record of the fuel specifications, including lead, for fuels used in the test cells. **(R336.1213(3))**

4. Permittee shall calculate and record the NOx and VOC emissions in tons for each calendar year, using methods and formats acceptable to the AQD. **(R336.1213(3))**

5. Permittee shall equip the thermal oxidizer with the following interlock systems to ensure the proper performance of the thermal oxidizer.

   a. An engine test shall not start until the thermal oxidizer combustion temperature exceeds the required minimum combustion temperature of 1400°F.**(R336.1213(3))**

b. The engine test shall automatically shut down when the thermal oxidizer afterburner fan shuts down. **(R336.1213(3))**

c. The engine test shall automatically shut down when the thermal oxidizer combustion temperature drops below the set point of the minimum combustion temperature. **(R336.1213(3))**

6. Permittee shall review the thermal oxidizer combustion temperature records, for each month that operation occurs, before the last day of the next month. **(R336.1213(3))**

7. Permittee shall test the interlock systems, routinely, for proper performance assurance. Testing shall be performed a minimum of twice a year and within 10 days of discovery of data collection system failure when the respective cells have been operated. **(R336.1213(3))**

8. Permittee shall keep records of the interlock system performance tests. **(R336.1213(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 a complete report of all test results to the District Supervisor, Air Quality Division, within 60 days following the last date of the test. **(R336.1213(3)(c))**

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-DYNOINCIN	26.0[2]	51.0[2]	R336.1201(3)

IX. OTHER REQUIREMENT(S)

1. NA

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).

FG-278-99B
FLEXIBLE GROUP CONDITIONS

DESCRIPTION
Hot test stands, underground storage tank, and flares.

Emission Unit: EU-UST, EU-SINGLESTAND1-8, EU-GASDISPENSING

POLLUTION CONTROL EQUIPMENT
Two flares, Flare 1 and Flare 2.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Total VOC emissions	1.53 pounds[2]	Per hour	FG-278-99B	Section VI GC13	R336.1702
2. Total VOC emissions	6.71 tons[2]	Per 12 month rolling time period as determined at the end of each calendar month	FG-278-99B	Section VI GC13	R336.1702

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The exhaust gas from the EU-SINGLESTANDS1-8 shall be vented through a flare that is operating properly.[2] **(R336.1702)**

2. An electronic interlock, which stops additional engines from being started while on the engine test stands, shall be installed and operating in the event that both flares are extinguished. **(R336.1213(3))**

3. The design capacity of each tank in EU-UST and EU-GASDISPENSING shall be less than 75 m^3. **(R336.1213(3))**

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

1. NA

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

1. Permittee shall calculate and record the total VOC emission rates from FG-278-99B and the operating flare, on a monthly basis, determining a 12-month rolling time period emission rate in tons per year. **(R336.1213(3))**

2. Permittee shall calculate and record the total emission rates from FG-278-99B and the operating flare in pounds per hour, based on a monthly basis when the equipment is operating. **(R336.1213(3))**

3. Permittee shall maintain a record of the dimensions and capacity of EU-UST for the life of the equipment. **(R336.1213(3)), (40 CFR 60.116b(b))**

4. In the event that both flares are extinguished during engine testing, the permittee shall maintain a record documenting the date and time of the flare outages. **(R336.1213(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))**

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. SVFLARE1	24.0[2]	61.0[2]	R336.1201(3)
2. SVFLARE2	24.0[2]	61.0[2]	R336.1201(3)
3. SVUST	1.5[2]	22.0[2]	R336.1201(3)

IX. OTHER REQUIREMENT(S)

1. NA

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).

FG-FACILITY
FLEXIBLE GROUP CONDITIONS

DESCRIPTION
Facility wide emission and material limits.

Emission Unit: All

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Each individual HAP	Less than 10 tons	Per Year (12 month rolling time period as determined at the end of each calendar month)	SOURCEWIDE	VI. 1	**R336.1213(2)(d) ***
2. Aggregate HAP's	Less than 25 tons	Per Year (12 month rolling time period as determined at the end of each calendar month)	SOURCEWIDE	VI. 1	**R336.1213(2)(d) ***

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. NA

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

1. NA

See Appendix 5

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 the following information on a monthly basis:
   a. Individual and aggregate HAP emissions calculations determining the monthly emissions rate of each in tons per calendar month. Alternatively for bulk chemical usage which has quarterly records data, usage shall be prorated to each month using hours of operations or production data.

b. Individual and aggregate HAP emission calculations determining the annual emission rate of each in tons per 12-month rolling time period as determined at the end of each calendar month. Alternatively for bulk chemical usage which has quarterly records data, usage shall be prorated to each month using hours of operations or production data.

The permittee shall keep the records in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file for a period of at least five years and make them available to the Department upon request. (**R336.1213(3))**

2. Permittee shall keep records of the amount of gasoline used at the facility on a monthly basis and calculate the annual usage based on a 12-month rolling time period as determined at the end of each calendar month. **(R336.1213(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))**

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. NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. NA

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).

FG – GASOLINE DISPENSING <10,000/month
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

This flexible group includes existing and new/reconstructed stationary gasoline dispensing facilities (GDFs) that have a maximum monthly gasoline throughput of 10,000 gallons and located at an area source of hazardous air pollutants (HAPs). GDF means any stationary source which dispenses gasoline into the fuel tank of a motor vehicle, motor vehicle engine, nonroad vehicle, or nonroad engine, including a nonroad vehicle or nonroad engine use solely for competition. These facilities include, but are not limited to, facilities that dispense gasoline into on- and off-road, street, or highway motor vehicles, lawn equipment, boats, test engines, landscaping equipment, generators, pumps, and other gasoline-fueled engines and equipment.

Emission Unit: EU-MAINTGAS

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NA	NA	NA	NA	NA	NA

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to the following:

   a. Minimize gasoline spills. **(40 CFR 63.11116(a)(1))**
   b. Clean up spills as expeditiously as practicable. **(40 CFR 63.11116(a)(2))**
   c. Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use. **(40 CFR 63.11116(a)(3))**
   d. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators. **(40 CFR 63.11116(a)(4))**
   e. Portable gasoline containers that meet the requirements of 40 CFR part 59 Subpart F, are considered acceptable for compliance with SC III.1(3) above. **(40 CFR 63.11116(d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. NA

V. TESTING/SAMPLING

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

1. 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 records of the total volume of gasoline loaded into or dispensed from all gasoline storage tanks during a month. Monthly throughput is calculated by summing the gasoline loaded into, or dispensed from all gasoline storage tanks at each GDF during the current day, plus the total volume of gasoline into or dispensed from all gasoline storage tanks at each GDF during the previous 364 days, and then dividing by 12. Records of the monthly throughput must be available within 24 hours of a request by the administrator to document your gasoline throughput. **(40 CFR 63.11116(b))**

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)

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. NA	NA	NA	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 CCCCCC, for Gasoline Dispensing Facilities. **(40 CFR, Part 63, Subparts A and CCCCCC)**

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).

FG-GASOLINE DISPENSING >10,000 AND <100,000/MONTH FLEXIBLE GROUP CONDITIONS

DESCRIPTION

This flexible group includes existing and new/reconstructed stationary gasoline dispensing facilities (GDFs) that have a maximum monthly gasoline throughput of at least 10,000 gallons and no more than 100,000 gallons and located at an area source of hazardous air pollutants (HAPs). GDF means any stationary source which dispenses gasoline into the fuel tank of a motor vehicle, motor vehicle engine, nonroad vehicle, or nonroad engine, including a nonroad vehicle or nonroad engine use solely for competition. These facilities include, but are not limited to, facilities that dispense gasoline into on- and off-road, street, or highway motor vehicles, lawn equipment, boats, test engines, landscaping equipment, generators, pumps, and other gasoline-fueled engines and equipment.

Emission Unit: EU-UST, EU-GASDISPENSING

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NA	NA	NA	NA	NA	NA

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to the following:

   a. Minimize gasoline spills. **(40 CFR 63.11116(a)(1))**
   b. Clean up spills as expeditiously as practicable. **(40 CFR 63.11116(a)(2))**
   c. Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use. **(40 CFR 63.11116(a)(3))**
   d. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators. **(40 CFR 63.11116(a)(4))**
   e. Portable gasoline containers that meet the requirements of 40 CFR part 59 Subpart F, are considered acceptable for compliance with SC III.1(3) above. **(40 CFR 63.11116(d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall only load gasoline into storage tanks by utilized submerged filling as specified below: **(40 CFR 63.11117(b))**

   a. Submerged fill pipes installed on or before November 9, 2006 must be no more than 12 inches from the bottom of the storage tank. **(40 CFR 63.11117(b)(1))**
   b. Submerged fill pipes installed after November 9, 2006 must be no more than 6 inches from the bottom of the storage tank. **(40 CFR 63.11117(b)(2))**

c. Gasoline storage tanks with a capacity of less than 250 gallons are not required to have submerged fill requirements. **(40 CFR 63.11117(b)(3))**

V. TESTING/SAMPLING

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

1. NA

See Appendix 5

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 records of the total volume of gasoline loaded into or dispensed from all gasoline storage tanks during a month. Monthly throughput is calculated by summing the gasoline loaded into, or dispensed from all gasoline storage tanks at each GDF during the current day, plus the total volume of gasoline into or dispensed from all gasoline storage tanks at each GDF during the previous 364 days, and then dividing by 12. Records of the monthly throughput must be available within 24 hours of a request by the administrator to document your gasoline throughput. **(40 CFR 63.11116(b))**

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 an initial notification that you are subject to this subpart by May 9, 2008, or at the time you become subject to the control requirements in 63.11117, unless you meet the requirements in SC VII.6 below. The initial notification must contain the following information: **(40 CFR 63.11124(a)(1))**

   a. The name and address of the owner and the operator.
   b. the address (i.e., physical location) of the GDF.
   c. A statement that the notification is being submitted in response to this subpart (Gasoline Distribution Area MACT, 40 CFR 63 Subpart CCCCCC) and identifying the requirements in paragraphs (a), (b), and (c)(1) or paragraph (c)(2) of 63.11117 that apply to you.

   The notification must be submitted to the applicable EPA Regional Office and delegated State authority as specified in 63.13.

5. The permittee shall Submit a Notification of Compliance Status to the applicable USEPA Regional Office and the delegated state authority, as specified in 63.13, in accordance with the schedule specified in 63.9(h), unless you meet the requirements in SC VII.6 below. **40 CFR 63.11124(a)(2))**

6. If prior to January 10, 2008, you are operating in compliance with an enforceable State, local, or tribal rule or permit that requires submerged fill as specified in 63.11117(b), you are not required to submit an Initial Notification or a Notification of Compliance Status under SC VII.4 or SC VII.5 listed above. **(40 CFR 63.11117(a)(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. NA	NA	NA	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 CCCCCC, for Gasoline Dispensing Facilities. **(40 CFR, Part 63, Subparts A and CCCCCC)**

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).

FG-EMERGENCY RICE <500 HP
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Existing CI and SI engines at an area source, Emergency and Black Start
Compliance date – May 3, 2013 for CI Engines
Compliance date – October 19, 2013 for SI Engines

Emission Unit: EU-EMERGRICEFP1, EU-EMERGRICEFP2, EU-EMERGRICEFP3, EU-EMERGRICEFP4, EU-EMERGRICEPH1, EU-EMERGRICEPH2, EU-EMERGRICEPH3, EU-EMERGRICEPH4, EU-EMERGRICEPH5, EU-EMERGRICEPH6, EU-EMERGRICEPH7

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NA	NA	NA	NA	NA	NA

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall operate and maintain any affected CI RICE, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which 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 63.6605(b))**

2. The permittee shall comply with the following requirements, except during periods of startup: **(40 CFR 63.6603(a))**

For CI Engines: (40 CFR 63.6603(a), Table 2d item 4)

a) Change oil and filter every 500 hours of operation or annually, whichever comes first, except as allowed in SC III.4.
b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first.
c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

For SI Engines: (40 CFR 63.6603(a), Table 2d item 5)

a) Change oil and filter every 500 hours of operation or annually, whichever comes first, except as allowed in SC III.4.
b) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first.

c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

3. The permittee shall operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop you 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 62.6625(e), 40 CFR 63.6640(a) , Table 6 item 9)**

4. The permittee may utilize an oil analysis program in order to extend the specified oil change requirement in 40 CFR 63.6603(a) and as listed in SC III.2. The oil analysis program must be performed at the same frequency as oil changes are required. The analysis program must analyze the parameters and keep records as required in 63.6625(i). **(40 CFR 63.6625(i))**

5. The permittee shall not allow the CI engine(s) to exceed 100 hours for Maintenance checks and readiness testing. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but 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 RICE beyond 100 hours per year. **(40 CFR 63.6640(f)(ii))**

6. The permittee shall not allow the CI engine(s) to operate more than 50 hours per year for non-emergency situations, as allowed in 40 CFR 63.6640(f)(iii). **(40 CFR 63.6640(f)(iii))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain the CI engines with a non-resettable hour meter. **(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 for CI Engine(s), the permittee shall test for Total Base Number, viscosity and percent water content. **(40 CFR 63.6625(i))**

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. For each CI engine, the permittee shall keep records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. **(40 CFR 63.6655(a)(2), 63.6660)**

2. The permittee shall keep records of all required maintenance performed on the air pollution control and monitoring equipment. **(40 CFR 63.6655(a)(4), 63.6660)**

3. The permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. **(40 CFR 63.6655(a)(5), 63.6660)**

4. The permittee shall keep records as required in SC III.3 to show continuous compliance with each emission or operating limit that applies. **(40 CFR 63.6655(d), 63.6660)**

5. The permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to the permittee's maintenance plan. **(40 CFR 63.6655(e), 63.6660)**

6. The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must 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 engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. **(40 CFR 63.6655(f), 63.6660)**

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)

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. NA	NA	NA	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, as they apply to FG-EMERGENCY RICE < 500 HP. The permittee may choose an alternative compliance method not listed in FG-EMERGENCY RICE < 500 HP by complying with all applicable provisions required by Subpart ZZZZ for the compliance option chosen. **(40 CFR Part 70.6(9), 40 CFR Part 63.9(j), 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).

FGCOLDCLEANERS
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Any cold cleaner that is grandfathered or exempt from Rule 201 pursuant to Rule 278 and Rule 281(h) or Rule 285(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:

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(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(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(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

FGRULE 287(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 and 287(c).

Emission Unit:

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Underlying Applicable Requirement
1. Coatings	200 gallons	Per month, as applied, minus water, per emission unit	NA	**R 336.1287(c)(i)**

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Any exhaust system that serves only coating spray equipment shall be equipped with a properly installed and operating particulate control system. (R 336.1287(c)(ii))

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(c), Permit to Install Exemption Record form (EQP 3562) or an alternative format that is approved by the AQD District Supervisor. **(R 336.1213(3))**

   a. Volume of coating used, as applied, minus water, in gallons. **(R 336.1287(c)(iii))**

   b. Documentation of any filter replacements for exhaust systems serving coating spray equipment. **(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

FGRULE290
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rules 278 and 290.

Emission Unit:

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

1. Each emission unit that emits only noncarcinogenic volatile organic compounds or noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone if the total uncontrolled or controlled emissions of air contaminants are not more than 1,000 or 500 pounds per month, respectively. **(R 336.1290(a)(i))**

2. Each emission unit that the total uncontrolled or controlled emissions of air contaminants are not more than 1,000 or 500 pounds per month, respectively, and all the following criteria listed below are met: **(R 336.1290(a)(ii))**

   a. For noncarcinogenic air contaminants, excluding noncarcinogenic volatile organic compounds and noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone, with initial threshold screening levels greater than or equal to 2.0 micrograms per cubic meter, the uncontrolled or controlled emissions shall not exceed 1,000 or 500 pounds per month, respectively. **(R 336.1290(a)(ii)(A))**

   b. For noncarcinogenic air contaminants, excluding noncarcinogenic volatile organic compounds and noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone, with initial threshold screening levels greater than or equal to 0.04 microgram per cubic meter and less than 2.0 micrograms per cubic meter, the uncontrolled or controlled emissions shall not exceed 20 or 10 pounds per month, respectively. **(R 336.1290(a)(ii)(B))**

   c. For carcinogenic air contaminants with initial risk screening levels greater than or equal to 0.04 microgram per cubic meter, the uncontrolled or controlled emissions shall not exceed 20 or 10 pounds per month, respectively. **(R 336.1290(a)(ii)(C))**

   d. The emission unit shall not emit any air contaminants, excluding non-carcinogenic volatile organic compounds and noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone, with an initial threshold screening level or initial risk screening level less than 0.04 microgram per cubic meter. **(R 336.1290(a)(ii)(D))**

3. Each emission unit that emits only noncarcinogenic particulate air contaminants and other air contaminants that are exempted under Rule 290(a)(i) and/or Rule 290(a)(ii), if all of the following provisions are met: **(R 336.1290(a)(iii))**

   a. The particulate emissions are controlled by an appropriately designed and operated fabric filter collector or an equivalent control system which is designed to control particulate matter to a concentration of less than or equal to 0.01 pound of particulate per 1,000 pounds of exhaust gases and which does not have an exhaust gas flow rate more than 30,000 actual cubic feet per minute. **(R 336.1290(a)(iii)(A))**

b. The visible emissions from the emission unit are not more than 5 percent opacity in accordance with the methods contained in Rule 303. **(R 336.1290(a)(iii)(B))**
c. The initial threshold screening level for each particulate air contaminant, excluding nuisance particulate, is more than 2.0 micrograms per cubic meter. **(R 336.1290(a)(iii)(C))**

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The provisions of Rule 290 apply to each emission unit that is operating pursuant to Rule 290. **(R 336.1290)**

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 maintain records of the following information for each emission unit for each calendar month using the methods outlined in the DEQ, AQD Rule 290, Permit to Install Exemption Record form (EQP 3558) or an alternative format that is approved by the AQD District Supervisor. **(R 336.1213(3))**

   a. Records identifying each air contaminant that is emitted. **(R 336.1213(3))**

   b. Records identifying if each air contaminant is controlled or uncontrolled. **(R 336.1213(3))**

   c. Records identifying if each air contaminant is either carcinogenic or non-carcinogenic. **(R 336.1213(3))**

   d. Records identifying the ITSL and IRSL, if established, of each air contaminant that is being emitted under the provisions of Rules 290(a)(ii) and (iii). **(R 336.1213(3))**

   e. Material use and calculations identifying the quality, nature, and quantity of the air contaminant emissions in sufficient detail to demonstrate that the actual emissions of the emission unit meet the emission limits outlined in this table and Rule 290. **(R 336.1213(3), R 336.1290(c))**

2. The permittee shall maintain an inventory of each emission unit that is exempt pursuant to Rule 290. This inventory shall include the following information. **(R 336.1213(3))**

   a. The permittee shall maintain a written description of each emission unit as it is maintained and operated throughout the life of the emission unit. **(R 336.1290(b), R 336.1213(3))**

   b. For each emission unit that emits noncarcinogenic particulate air contaminants pursuant to Rule 290(a)(iii), the permittee shall maintain a written description of the control device, including the designed control efficiency and the designed exhaust gas flow rate**. (R 336.1213(3))**

3. For each emission unit that emits noncarcinogenic particulate air contaminants pursuant to Rule 290(a)(iii), the permittee shall perform a monthly visible emission observation of each stack or vent during routine operating

conditions. This observation need not be performed using Method 9. The permittee shall keep a written record of the results of each observation. **(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

E. NON-APPLICABLE REQUIREMENTS

At the time of the ROP issuance, the AQD has determined that the requirements identified in the table below are not applicable to the specified emission unit(s) and/or flexible group(s). This determination is incorporated into the permit shield provisions set forth in the General Conditions in Part A pursuant to Rule 213(6)(a)(ii). If the permittee makes a change that affects the basis of the non-applicability determination, the permit shield established as a result of that non-applicability decision is no longer valid for that emission unit or flexible group.

Emission Unit/Flexible Group ID	Non-Applicable Requirement	Justification
FG-FACILITY	40 CFR 63, Subpart DDDDD (Boiler MACT)	Facility is not a major source of Hazardous Air Pollutant Emissions
FG-FACILITY	40 CFR 63, Subpart EEEE (OLD MACT)	Facility is not a major source of Hazardous Air Pollutant Emissions
FG-FACILITY	40 CFR 63, Subpart HHHHHH	Facility does not use manual spray-application equipment to apply coatings to parts and products.
FG-FACILITY	40 CFR 63, Subpart XXXXXX	Facility is not one of the "Nine Metal Fabrication and Finishing Source Categories: identified in 40 CFR 63.11514 of Subpart XXXXXX as listed in Table 1 of preamble. See Federal Register, Vol, 73, No. 142, July 23, 2008, p. 42979.
FG-FACILITY	40 CFR 60, Subpart Kb	The capacity of each storage tank installed after July 23rd, 1984 in service at this facility has a capacity of less than 75 cubic meters or storage vessels with a capacity greater than or equal to 151 m^3 storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m^3 but less than 151 m^3 storing a liquid with a maximum true vapor pressure less than 15.0 kPa.

APPENDICES

Appendix 1. Abbreviations and Acronyms

The following is an alphabetical listing of abbreviations/acronyms that may be used in this permit.

AQD	Air Quality Division	MM	Million
acfm	Actual cubic feet per minute	MSDS	Material Safety Data Sheet
BACT	Best Available Control Technology	MW	Megawatts
BTU	British Thermal Unit	NA	Not Applicable
°C	Degrees Celsius	NAAQS	National Ambient Air Quality Standards
CAA	Federal Clean Air Act	NESHAP	National Emission Standard for Hazardous Air Pollutants
CAM	Compliance Assurance Monitoring	NMOC	Non-methane Organic Compounds
CEM	Continuous Emission Monitoring	NOx	Oxides of Nitrogen
CFR	Code of Federal Regulations	NSPS	New Source Performance Standards
CO	Carbon Monoxide	NSR	New Source Review
COM	Continuous Opacity Monitoring	PM	Particulate Matter
department	Michigan Department of Environmental Quality	PM-10	Particulate Matter less than 10 microns in diameter
dscf	Dry standard cubic foot	pph	Pound per hour
dscm	Dry standard cubic meter	ppm	Parts per million
EPA	United States Environmental Protection Agency	ppmv	Parts per million by volume
EU	Emission Unit	ppmw	Parts per million by weight
°F	Degrees Fahrenheit	PS	Performance Specification
FG	Flexible Group	PSD	Prevention of Significant Deterioration
GACS	Gallon of Applied Coating Solids	psia	Pounds per square inch absolute
gr	Grains	psig	Pounds per square inch gauge
HAP	Hazardous Air Pollutant	PeTE	Permanent Total Enclosure
Hg	Mercury	PTI	Permit to Install
hr	Hour	RACT	Reasonable Available Control Technology
HP	Horsepower	ROP	Renewable Operating Permit
H_2S	Hydrogen Sulfide	SC	Special Condition
HVLP	High Volume Low Pressure *	scf	Standard cubic feet
ID	Identification (Number)	sec	Seconds
IRSL	Initial Risk Screening Level	SCR	Selective Catalytic Reduction
ITSL	Initial Threshold Screening Level	SO_2	Sulfur Dioxide
LAER	Lowest Achievable Emission Rate	SRN	State Registration Number
lb	Pound	TAC	Toxic Air Contaminant
m	Meter	Temp	Temperature
MACT	Maximum Achievable Control Technology	THC	Total Hydrocarbons
MAERS	Michigan Air Emissions Reporting System	tpy	Tons per year
MAP	Malfunction Abatement Plan	µg	Microgram
MDEQ	Michigan Department of Environmental Quality	VE	Visible Emissions
mg	Milligram	VOC	Volatile Organic Compounds
mm	Millimeter	yr	Year

*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 pounds per square inch gauge (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

The permittee shall use the DEQ Rule 287(c) Permit to Install Exemption Record form or an alternative format acceptable to the AQD District Supervisor to document monthly records as required by R 336.1287(c) and FGRULE287(c).

RULE 287(c) PERMIT TO INSTALL EXEMPTION RECORD: SURFACE COATING EQUIPMENT

This record is provided as a courtesy for businesses by the Michigan Department of Environmental Quality (MDEQ), Environmental Assistance Division, Clean Air Assistance Program, and is not required to be returned or submitted to the MDEQ unless specifically requested.

Applicable Rule: Rule 287(c) of the Michigan Air Pollution Control Rules

NOTE: Rule 287(c) of the Michigan Air Pollution Control Rules exempts surface coating operations from the Permit to Install program as long as the following conditions are met:

1. The coating use rate shall not be more than 200 gallons, as applied, minus water, per month;
2. Any exhaust system that serves only coating spray equipment is supplied with a properly installed and operating particulate control system; and
3. Monthly coating usage records are maintained on file for the most recent two-year period and are made available to the MDEQ Air Quality Division upon request. (ROP-subject sources must keep records for five years.)

Please print or type all information.

COMPLETE THE MONTHLY COATING USAGE LOG FOR EACH SURFACE COATING LINE USING THE EXEMPTION IN RULE 287(c).

INSTRUCTIONS FOR COMPLETING THE MONTHLY COATING USAGE LOG:

Columns

Columns (a) and (b):	Identify the name of the coating manufacturer and the product identification number. This information can be obtained from the coating container or the MSDS.
Column (c):	List the coating type. This may include but not be limited to the following: precoat, primer/primer surfacer, primer sealer, topcoat, thinners, and reducers.
Column (d):	Record the volume of coating used, as applied, minus water, in gallons. At the end of the month, total the quantities in column (d). This total should not exceed 200 gallons. [To find the volume as applied, minus water, multiply the amount used by 1 minus the volume fraction of water in the coating. For example, if you use 5 gallons of a coating that is 40% water by volume, multiply 5 by (1-0.40). This calculation yields a coating usage of 3 gallons, as applied, minus water.]
Column (e)	Initials of operator or owner.
Column (f)	Record the volume of cleanup solvents used in gallons. Even though Rule 287(c) does not address cleanup solvent usage, it is advisable to keep track of this usage. Facilities that receive Michigan Air Pollution Reporting Forms should include their usage of cleanup solvent on the forms.

SOURCE NAME:

MONTH/YEAR:

Manufacturer (a)	Product ID Number (b)	Coating Type (c)	Coating Usage (gal) (d)	Operator's Initials (e)	Cleanup Solvent Usage (gal) (f)

Manufacturer (a)	Product ID Number (b)	Coating Type (c)	Coating Usage (gal) (d)	Operator's Initials (e)	Cleanup Solvent Usage (gal) (f)
		Total coating used (gal) <200 gal/month		Total cleanup solvent used (gal)	

The permittee shall use the DEQ Rule 290 Permit to Install Exemption Record form or an alternative format as acceptable to the AQD District Supervisor to document monthly records as required by R 336.1290 and FGRULE290.

RULE 290 PERMIT TO INSTALL EXEMPTION: SOURCES WITH LIMITED EMISSIONS RECORD

This record is provided as a courtesy for businesses by the Michigan Department of Environmental Quality (MDEQ), Environmental Science and Services Division, Clean Air Assistance Program, and is not required to be returned or submitted to the MDEQ.

Applicable Rule: Rule 290 of the Michigan Air Pollution Control Rules

NOTE:

- Rule 290 of the Michigan Air Pollution Control Rules exempts an emission unit with limited emissions from having to apply for Permit to Install. Rule 201 requires sources to obtain a Permit to Install prior to the installation, construction, reconstruction, relocation, and modification of an emission unit. Sources using this exemption must not meet any of the criteria in Rule 278 and must be able to demonstrate compliance with the various emission limits contained in Rule 290.

- Utilization of this form is not the sole method of demonstrating compliance with the requirements of Rule 290, unless required by a permit such as a Renewable Operating Permit (ROP). For example, an alternative method of demonstrating compliance could be determining the emissions of air contaminants from a single unit of production and recording the number of production units generated per month.

- ROP subject sources – This document may be used to track emissions unless an alternate format is acceptable to the District Supervisor or an alternate format is cited in the ROP.

- An emission unit that emits an air contaminant, excluding noncarcinogenic Volatile Organic Compounds (VOCs) and noncarcinogenic, non-ozone forming materials listed in Rule 122(f), which has an Initial Threshold Screening Level (ITSL) or Initial Risk Screening Level (IRSL) less than 0.04 micrograms per cubic meter (ug/m3) cannot use Rule 290.

- For all emission units exempt pursuant to Rule 290 with particulate emissions which have an ITSL equal to or less than 2.0 ug/m3 and greater than or equal 0.04 ug/m3, the particulate emissions must be included in Section 2.

- For all emission units exempt pursuant to Rule 290 with particulate emissions which have an IRSL equal to or less than 0.04 ug/m3, the particulate emissions must be included in Section 3.

- Perchloroethylene is the only non-ozone forming material listed in Rule 122(f) that is a carcinogen. Two of the stabilizers in Rule 122(f) Table 11, tertiary butyl alcohol and 1,2-butylene oxide, are carcinogenic and are ozone forming materials.

- If an emission unit is equipped with a control device (i.e., equipment that captures and/or destroys air contaminants) and the control device is not vital to production of the normal product of the process or to its normal operation, then there are two options of recording emissions in Sections 2, 3, and 4:
    1. record all uncontrolled emissions of air contaminants (i.e., all air contaminants entering the control device); or
    2. record all controlled emissions of air contaminants (all air contaminants leaving the control device).

  Whatever option is chosen, make sure that option is used consistently throughout Sections 2, 3, 4, and 5.

- If the emission unit is not equipped with a control device or the control device is vital to production of the normal product of the process or to its normal operation, then the quantity of each emission of air contaminant identified in Sections 2, 3, 4, and 5 should be recorded as uncontrolled emissions.

- Monthly emission records are required to be maintained on file for the most recent two-year period and made available to the MDEQ, Air Quality Division upon request. (ROP subject sources must keep records for the most recent five year period.)

Please print or type all information.

1. COMPLETE FOR EACH EMISSION UNIT USING THE EXEMPTION IN RULE 290.

SOURCE NAME:

MONTH/YEAR:

DESCRIPTION OF EMISSION UNIT (including control devices):

2. RECORD EMISSIONS OF NONCARCINOGENIC AIR CONTAMINANTS (EXCLUDING NONCARCINOGENIC VOCS AND NONCARCINOGENIC, NON-OZONE FORMING MATERIALS LISTED IN RULE 122(f)) (see Appendix A)

ITSL ≥ 2.0 ug/m3

(The emissions of noncarcinogenic particulate air contaminants with an ITSL > 2.0 ug/m3 do not have to be recorded in this table as long as the emission unit is in compliance with the requirements in Section 6.)

CAS #	Chemical Name	Uncontrolled Emissions (lbs/month)	Controlled Emissions (lbs/month)

Monthly Total		①	②

2.0 ug/m3 > ITSL ≥ 0.04 ug/m3

CAS #	Chemical Name	Uncontrolled Emissions (lbs/month)	Controlled Emissions (lbs/month)
Monthly Total		③	④

Compliance Criteria:

- The total in Box ① must be ≤ 1,000 pounds or the total in Box ② must be ≤ 500 pounds. If the total in Box ① or in Box ② is greater than the respective emission limitations, contact your local district office.
- The total in Box ③ must be ≤ 20 pounds or the total in Box ④ must be ≤ 10 pounds. If the total in Box ③ or in Box ④ is greater than the respective emission limitations, contact your local district office.

3. RECORD EMISSIONS OF CARCINOGENIC AIR CONTAMINANTS

IRSL ≥ 0.04 ug/m3

(The emissions of carcinogenic particulate air contaminants with an IRSL ≥ 0.04 ug/m3 must be recorded in this table even though it is also exempt under Section 6.)

CAS #	Chemical Name	Uncontrolled Emissions (lbs/month)	Controlled Emissions (lbs/month)
Monthly Total		⑤	⑥

Compliance Criteria:

- The total in Box ⑤ must be ≤ 20 pounds or the total in Box ⑥ must be ≤ 10 pounds. If the total in Box ⑤ or in Box ⑥ is greater than the respective emission limitations, contact your local district office.

4. RECORD EMISSIONS OF ALL NONCARCINOGENIC VOCS AND NONCARCINOGENIC, NON-OZONE FORMING MATERIALS LISTED IN RULE 122(f) (see Appendix A)

CAS #	Chemical Name	Uncontrolled Emissions (lbs/month)	Controlled Emissions (lbs/month)

Monthly Total		⑦	⑧

Compliance Criteria:

- The total in Box ⑦ must be ≤ 1,000 pounds or the total in Box ⑧ must be ≤ 500 pounds. If the total in Box ⑦ or in Box ⑧ is greater than the respective emission limitations, contact your local district office.

5. RECORD TOTAL MONTHLY EMISSIONS

	lbs/month
Total uncontrolled emissions (Box ① + Box ③ + Box ⑤ + Box ⑦)	
Total controlled emissions (Box ② + Box ④ + Box ⑥ + Box ⑧)	

Compliance Criteria:

- The total uncontrolled emissions (Box ① + Box ③ + Box ⑤ + Box ⑦) must be ≤ 1,000 pounds. If the total uncontrolled emissions are greater than 1,000 pounds, contact your local district office; or
- The total controlled emissions (Box ② + Box ④ + Box ⑥ + Box ⑧) must be ≤ 500 pounds. If the total controlled emissions are greater than 500 pounds, contact your local district office.

6. NONCARCINOGENIC PARTICULATE AIR CONTAMINANTS

The emission unit may emit noncarcinogenic particulate air contaminants provided that the emission unit is in compliance with the following:

Y N

☐ ☐ Are the particulate emissions controlled by an appropriately designed and operated fabric filter collector or an equivalent control system which is designed to control particulate matter to a concentration of less than or equal to 0.01 pounds of particulate per 1,000 pounds of exhaust gases and which do not have an exhaust gas flow rate of more than 30,000 actual cubic feet per minute?

☐ ☐ Are the visible emissions from the emission unit not more than 5% opacity in accordance with the methods contained in Rule 303?

☐ ☐ Is the Initial Threshold Screening Level (ITSL) for each particulate air contaminant, excluding nuisance particulate > 2.0 ug/m3?

Notes:

- Quantities of particulates being emitted from an emission unit complying with the requirements in this Section should not be included in Section 2.
- Quantities of noncarcinogenic particulates with an ITSL ≤ 2.0 ug/m3 and ≥ 0.04 ug/m3 must be included in Section 2.
- Quantities of carcinogenic particulates > 0.04 ug/m3 must be included in Section 3.

Compliance Criteria:

- If any of the preceding questions concerning noncarcinogenic particulate air contaminants are answered “No”, contact your local district office.

7. OTHER REQUIREMENTS

- Attach emission calculations to demonstrate compliance with the emission limits identified in Sections 2, 3, 4, and 5.
- Keep this record on file for a minimum of 2 years, if not required for a longer period from other requirements, i.e. ROP.

APPENDIX for Rule 290

R 336.1122 Definitions; V.

Rule 122. As used in these rules:

(f) "**Volatile organic compound**" means any compound of carbon or mixture of compounds of carbon that participates in photochemical reactions, excluding the following materials, all of which have been determined by the United States environmental protection agency to have negligible photochemical reactivity:

(i) Carbon monoxide.

(ii) Carbon dioxide.

(iii) Carbonic acid.

(iv) Metallic carbides or carbonates.

(v) Boron carbide.

(vi) Silicon carbide.

(vii) Ammonium carbonate.

(viii) Ammonium bicarbonate.

(ix) Methane.

(x) Ethane.

(xi) The methyl chloroform portion of commercial grades of methyl chloroform, if all of the following provisions are complied with:

(A) The commercial grade of methyl chloroform is used only in a surface coating or coating line that is subject to the requirements of part 6 or 7 of these rules.

(B) The commercial grade of methyl chloroform contains no stabilizers other than those listed in table 11.

(C) Compliance with the applicable limits specified in part 6 or 7 of these rules is otherwise not technically or economically reasonable.

(D) All measures to reduce the levels of all organic solvents, including the commercial grade of methyl chloroform, from the surface coating or coating line to the lowest reasonable level will be implemented.

(E) The emissions of the commercial grade of methyl chloroform do not result in a maximum ambient air concentration exceeding any of the allowable ambient air concentrations listed in table 11.

(F) The use of the commercial grade of methyl chloroform is specifically identified and allowed by a permit to install, permit to operate, or order of the department.

(G) Table 11 reads as follows:

TABLE 11

Commercial grade of methyl chloroform --
Allowable ambient air concentrations

Compound	ppm[1]	Time[2]
Methyl chloroform	3.5	1 hour
Tertiary butyl alcohol[3]	1.0	1 hour
Secondary butyl alcohol[3]	1.0	1 hour
Methylal[3]	10.0	1 hour

1. Parts per million, by volume
2. Averaging time period
3. This compound is a stabilizer

1,2-butylene oxide[3]	0.028 and 0.00041	1 hour annual

(xii) The methyl chloroform portion of commercial grades of methyl chloroform that contain any other stabilizer not listed in table 11 of this rule, if all of the following provisions are complied with:

(A) The commercial grade of methyl chloroform is used only in a surface coating or coating line that is subject to the requirements of part 6 or 7 of these rules.

(B) Compliance with the applicable limits specified in part 6 or 7 of these rules is otherwise not technically or economically reasonable.

(C) All measures to reduce the levels of all organic solvents, including the commercial grade of methyl chloroform, from the surface coating or coating line to the lowest reasonable level will be implemented.

(D) The emissions of any compound in the commercial grade of methyl chloroform that is listed in table 11 of this rule do not result in a maximum ambient air concentration exceeding any of the allowable ambient air concentrations listed in table 11.

(E) The emission of all compounds in the commercial grade of methyl chloroform that are not listed in table 11 is demonstrated to comply with R 336.1901.

(F) The use of the commercial grade of methyl chloroform is specifically identified and allowed by a permit to install, permit to operate, or order of the department.

(xiii) Acetone.

(xiv) Cyclic, branched, or linear completely methylated siloxanes.

(xv) Parachlorobenzotrifluoride.

(xvi) Perchloroethylene.

(xvii) Trichlorofluoromethane (CFC-11).

(xviii) Dichlorodifluoromethane (CFC-12).

(xix) 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113).

(xx) 1,2-dichloro 1,1,2,2-tetrafluoroethane (CFC-114).

(xxi) Chloropentafluoroethane (CFC-115).

(xxii) 1,1-dichloro 1-fluoroethane (HCFC-141b).

(xxiii) 1,chloro 1,1-difluoroethane (HCFC-142b).

(xxiv) Chlorodifluoromethane (HCFC-22).

(xxv) 1,1,1-trifluoro 2,2-dichloroethane (HCFC-123).

(xxvi) 2-chloro-1,1,1,2-tetrafluoroethane (HCFC-124).

(xxvii) Trifluoromethane (HFC-23).

(xxviii) Pentafluoroethane (HFC-125).

(xxix) 1,1,2,2-tetrafluoroethane (HFC-134).

(xxx) 1,1,1,2-tetrafluoroethane (HFC-134a).

(xxxi) 1,1,1-trifluoroethane (HFC-143a).

(xxxii) 1,1-difluoroethane (HFC-152a).

(xxxiii) 3,3-dichloro-1, 1,1,2,2-pentafluoropropane (HCFC-225ca).

(xxxiv) 1,3-dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb).

(xxxv) 1,1,1,2,3,4,4,5,5,5-decafluoropentane (HFC 43-10mee).

(xxxvi) Difluoromethane (HFC-32).

(xxxvii) Ethyl fluoride (HFC-161).

(xxxviii) 1,1,1,3,3,3-hexafluoropropane (HFC-236fa).

(xxxix) 1,1,2,2,3-pentafluoropropane (HFC-245ca).

(xl) 1,1,2,3,3- pentafluoropropane (HFC-245ea).

(xli) 1,1,1,2,3- pentafluoropropane (HFC-245eb).

(xlii) 1,1,1,3,3- pentafluoropropane (HFC-245fa).

(xliii) 1,1,1,2,3,3-hexafluoropropane (HFC-236ea).

(xliv) 1,1,1,3,3-pentafluorobutane (HFC365mfc).

(xlv) Chlorofluoromethane (HCFC-31).

(xlvi) 1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a).

(xlvii) 1-chlor-1-fluoroethane (HCFC-151a).

(xlviii) 1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxybutane.

(xlix) 2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane.

(l) 1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane.

(li) 2-(ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane.

(lii) Methyl acetate.

(liii) Perfluorocarbon compounds that fall into the following classes:

(A) Cyclic, branched, or linear, completely fluorinated alkanes.
(B) Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations.
(C) Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations.
(D) Sulfur-containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine.

(liv) Methylene chloride.

The methods described in R 336.2004 and R 336.2040 shall be used for measuring volatile organic compounds for purposes of determining compliance with emission limits. Where such a method also measures compounds with negligible photochemical reactivity, these negligibly-photochemical reactive compounds may be excluded as volatile organic compounds if the amount of such compounds is accurately quantified and such exclusion is approved by the department.

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 since the effective date of previously issued ROP No. MI-ROP-B2869-2006.

Permit to Install Number	Description of Equipment	Corresponding Emission Unit(s) or Flexible Group(s)
50-07B	Dry machining of engine blocks and handling of chips produced by the machining operations; including associated exhaust systems and baghouse dust collector system.	FG-DRYCRANK
50-07B	Dry machining of engine blocks and handling of chips produced by the machining operations; including associated exhaust systems and baghouse dust collector system.	FG-DRYBLOCK5-9

Appendix 7. Emission Calculations

There are no specific emission calculations to be used for this ROP. Therefore, this appendix is not applicable.

Appendix 8. Reporting

A. Annual, Semiannual, and Deviation Certification Reporting

The permittee shall use the MDEQ Report Certification form (EQP 5736) and MDEQ 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.