

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

EFFECTIVE DATE: August 2, 2022

ISSUED TO

**Nexteer Automotive Corporation**

State Registration Number (SRN): A6175

LOCATED AT

3900 East Holland Road, Saginaw, Saginaw County, Michigan 48601

**RENEWABLE OPERATING PERMIT**

Permit Number: MI-ROP-A6175-2022

Expiration Date: August 2, 2027

Administratively Complete ROP Renewal Application Due Between  
February 2, 2026 and February 2, 2027

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

**SOURCE-WIDE PERMIT TO INSTALL**

Permit Number: MI-PTI-A6175-2022

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

Michigan Department of Environment, Great Lakes, and Energy

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Chris Hare, Bay City District Supervisor

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## AUTHORITY AND ENFORCEABILITY

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

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

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

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

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

## A. GENERAL CONDITIONS

### Permit Enforceability

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

### General Provisions

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

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

### **Equipment & Design**

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

### **Emission Limits**

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

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

12. The permittee shall not cause or permit the emission of an air contaminant or water vapor in quantities that cause, alone or in reaction with other air contaminants, either of the following:
  - a. Injurious effects to human health or safety, animal life, plant life of significant economic value, or property.<sup>1</sup> **(R 336.1901(a))**
  - b. Unreasonable interference with the comfortable enjoyment of life and property.<sup>1</sup> **(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).<sup>2</sup> **(R 336.2001)**
14. Any required performance testing shall be conducted in accordance with Rule 1001(2), Rule 1001(3) and Rule 1003. **(R 336.2001(2), R 336.2001(3), R 336.2003(1))**
15. Any required test results shall be submitted to the Air Quality Division (AQD) in the format prescribed by the applicable reference test method within 60 days following the last date of the test. **(R 336.2001(5))**

## Monitoring/Recordkeeping

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

## Certification & Reporting

18. Except for the alternate certification schedule provided in Rule 213(3)(c)(iii)(B), any document required to be submitted to the department as a term or condition of this ROP shall contain an original certification by a Responsible Official which 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 60604-3507. **(R 336.1213(4)(c))**
20. The certification of compliance shall be submitted annually for the term of this ROP as detailed in the special conditions, or more frequently if specified in an applicable requirement or in this ROP. **(R 336.1213(4)(c))**
21. The permittee shall promptly report any deviations from ROP requirements and certify the reports. The prompt reporting of deviations from ROP requirements is defined in Rule 213(3)(c)(ii) as follows, unless otherwise described in this ROP. **(R 336.1213(3)(c))**
  - a. For deviations that exceed the emissions allowed under the ROP, prompt reporting means reporting consistent with the requirements of Rule 912 as detailed in Condition 25. All reports submitted pursuant to this paragraph shall be promptly certified as specified in Rule 213(3)(c)(iii).
  - b. For deviations which exceed the emissions allowed under the ROP and which are not reported pursuant to Rule 912 due to the duration of the deviation, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe reasons for each deviation and the actions taken to minimize or correct each deviation.
  - c. For deviations that do not exceed the emissions allowed under the ROP, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe the reasons for each deviation and the actions taken to minimize or correct each deviation.

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

## Permit Shield

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

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

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

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

## Revisions

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

## Reopenings

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

## Renewals

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

## Stratospheric Ozone Protection

36. If the permittee is subject to Title 40 of the Code of Federal Regulations (CFR), Part 82 and services, maintains, or repairs appliances except for motor vehicle air conditioners (MVAC), or disposes of appliances containing refrigerant, including MVAC and small appliances, or if the permittee is a refrigerant 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 68.130. The list of substances, threshold quantities, and accident prevention regulations promulgated under 40 CFR Part 68, do not limit in any way the general duty provisions under Section 112(r)(1).
39. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall comply with the requirements of 40 CFR Part 68, no later than the latest of the following dates as provided in 40 CFR 68.10(a):
- June 21, 1999,
  - Three years after the date on which a regulated substance is first listed under 40 CFR 68.130, or
  - The date on which a regulated substance is first present above a threshold quantity in a process.
40. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall submit any additional relevant information requested by any regulatory agency necessary to ensure compliance with the requirements of 40 CFR Part 68.
41. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall annually certify compliance with all applicable requirements of Section 112(r) as detailed in Rule 213(4)(c)). **(40 CFR Part 68)**

## Emission Trading

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

### Permit to Install (PTI)

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

#### Footnotes:

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

<sup>2</sup>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 SPECIAL CONDITIONS

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

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

#### EMISSION UNIT SUMMARY TABLE

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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUBR02	Boiler No. 2 - 77 MMBTU/hr heat input, natural gas-fired boiler, supplying 60,000 pounds per hour steam to the facility.	04-12-2006	NA
EUBR03	Boiler No. 3 - 150 MMBTU/hr heat input, natural gas-fired boiler, supplying 125,000 pounds per hour steam to the facility. (PTI No. 175-14)	01-01-1960 09-01-1982 11-14-2013	NA
EUBR05	Boiler No. 5 - 180 MMBTU/hr heat input, natural gas fired boiler, supplying 150,000 pounds per hour steam to the facility. (PTI No. 175-14)	01-01-1969 01-01-1974 09-03-2015	NA
EUBR06	Boiler No. 6 – 180 MMBTU/hr heat input, natural gas fired boiler, supplying 150,000 pounds per hour steam to the facility. (PTI No. 175-14)	01-01-1972 01-01-1974 08-27-2015	NA
EUBL11	Blaster (shot or sand). An abrasive grit is used to clean and remove iron scale or burrs from wire, or various machined parts.	08-01-1971	NA
EUBL12	Blaster (shot or sand). An abrasive steel shot is used to deburr the yoke of the steering intermediate shaft, wheel axle drive and/or steering shafts.	10-15-1979	NA
EUCF01	Natural gas-fired carburizing furnaces with integral oil quench rated at 0.36 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	08-15-1978	FGFN92
EUCF02	Natural gas-fired carburizing furnaces with integral oil quench rated at 0.36 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	08-15-1978	FGFN92

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUCF03	Electrically heated holcroft four-row pusher type carburizer heat treat furnace rated at 2.74 MMBTU/hr – used to heat treat steel components to provide the proper surface finish and hardness to meet performance specifications.	01-01-1981	FGCF91
EUCF04	Electrically heated holcroft four-row pusher type carburizer heat treat furnace rated at 2.74 MMBTU/hr – used to heat treat steel components to provide the proper surface finish and hardness to meet performance specifications.	01-01-1981	FGCF91
EUCF05	Natural gas-fired carburizing furnace with integral oil quench rated at 5.14 MMBTU/hr – used to carburize heat treat steel components to provide the proper surface finish and hardness to meet performance specifications.	01-01-1986	FGCF05/15
EUCF09	Natural gas-fired carburizing furnaces with integral oil quench rated at 5.14 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	07-15-1986	FGCF93
EUCF10	Natural gas-fired carburizing furnaces with integral oil quench rated at 0.36 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	09-01-1978	FGFN92
EUCF11	Natural gas-fired carburizing furnaces with integral oil quench rated at 0.36 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	09-01-1978	FGFN92
EUCF12	Natural gas-fired carburizing furnaces with integral oil quench rated at 5.14 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	10-20-1978	FGCF93
EUCF15	Natural gas-fired carburizing furnace with integral oil quench rated at 5.14 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	06-01-1997	FGCF05/15
EUCF17	Natural gas-fired rehardner furnace with integral oil quench rated at 6.63 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	03-05-2001	FGCF17/18/19

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUCF18	Natural gas-fired carburizing furnace with integral oil quench rated at 6.63 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	03-05-2001	FGCF17/18/19
EUCF19	Natural gas-fired carburizing furnace with integral oil quench rated at 6.63 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	03-05-2001	FGCF17/18/19
EUCG02	Eight (8) lathes – used to remove excess metal from the truck housings. A water-soluble oil is used to cool the tooling as well as flush away the metal grit from the part.	07-01-1991	NA
EUCG03	Twenty-nine (29) grinding stations – used to remove excess metal from parts. The grinding action against the parts generates particulate matter in the form of oil mist and grit.	06-01-1991	NA
EUCG07	Ten (10) grinding stations – used to remove excess metal from parts. The grinding action against the parts generates particulate matter in the form of oil mist and grit.	05-01-1998	NA
EUFN06	Natural gas-fired carburizing and carbonitriding furnaces with integral oil quench rated at 2.21 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	07-01-1996	FGFN93
EUFN07	Natural gas-fired carburizing and carbonitriding furnaces with integral oil quench rated at 2.21 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	07-01-1996	FGFN93
EUFN08	Natural gas-fired carburizing and carbonitriding furnaces with integral oil quench rated at 2.26 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	01-01-1996	FGFN92
EUFN09	Natural gas-fired carburizing and carbonitriding furnaces with integral oil quench rated at 2.21 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	05-31-1974	FGFN92

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUFN10	Natural gas-fired carburizing and carbonitriding furnaces with integral oil quench rated at 0.98 MMBTU/hr – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	11-01-1979 06-25-1992	FGFN93
EUMI07	Thermal deburring unit rated at 0.06 MMBTU/hr – A low fuel mixture is injected into the chamber of the machine and ignited. A high temperature is used to burn off any remaining steel burrs from the valve body of the rack and pinion steering gear.	07-15-1989	NA
EUPC07	Iron phosphate coating system – used to spray clean/remove contaminants and clean various metal parts to improve machining capabilities.	08-01-1981	NA
EUPC08	Iron phosphate coating system – used to spray clean/remove contaminants and clean various metal parts to improve machining capabilities.	07-01-1993	NA
EUPC09	Iron phosphate coating system – used to spray clean/remove contaminants and clean various metal parts to improve machining capabilities.	02-15-1995	NA
EUCG17	Nova inner race grinders - Used to remove excess metal from parts. The grinding action against the parts generates particulate matter in the form of oil mist and grit.	01-01-1998	FGRULE290
EUDV420cc-cd	Plant 4 Rule 290 Grinders	01-01-1999	FGRULE290
EUDV420cn-co	Plant 4 Rule 290 Grinders	01-01-1999	FGRULE290
EUDV420ct	Plant 4 Rule 290 Grinders	01-01-1999	FGRULE290
EUDV420cu	Plant 4 Rule 290 Grinders	01-01-1999	FGRULE290
EUDV541a-g	Plant 5 Rule 290 Grinders	01-01-1999	FGRULE290
EUPB14	Maintenance Paint Booth - Plant 7	02-15-1993	FGRULE287
EUPB17	Maintenance Paint Booth - Plant 5	03-27-1997	FGRULE287
EUPB19	Maintenance Paint Booth - Plant 3	07-01-1996	FGRULE287
EUCOLDCLEANER	Any new cold cleaner (placed into operation after 07-01-1979) that is exempt from NSR permitting by R 336.1281(h) or R 336.1285(r)(iv).	NA	FGCOLDCLEANER
EUSTR99	Air stripping tower, pump(s), and a groundwater flow distribution system.	10-02-2007	NA
EUDVCF20	Natural gas-fired carburizing furnaces with integral oil quench rated at 5.14 MMBTU/hr – used to carburize heat treat steel to provide the proper surface finish and hardness to meet performance specifications.	10-01-1997	FGRULE290
EUDV720fg-fn	Plant 7 Rule 290 grinders	11-01-1999	FGRULE290
EUEMGRICE03	Plant 3 - 350 bhp diesel 2-stroke emergency generator	1968	FGRICEMACTCI<5 00BHP
EUEMGRICE04	Powerhouse - 350 bhp diesel 2-stroke emergency generator	1965	FGRICEMACTCI<5 00BHP
EUEMGRICE06	North pump house – 156 bhp diesel 2-stroke emergency fire pump generator	10-01-2004	FGRICEMACTCI<5 00BHP

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUEMGRICE07	Plant 4 - 350 bhp diesel 2-stroke emergency generator	1960	FGRICEMACTCI<500BHP
EUEMGRICE08	Plant 4 - 223 bhp diesel 2-stroke emergency generator	1960	FGRICEMACTCI<500BHP
EUEMGRICE09	Plant 4 - 350 bhp diesel 2-stroke emergency generator	1967	FGRICEMACTCI<500BHP
EUEMGRICE10	Plant 5 - 350 bhp diesel 2-stroke emergency generator	1964	FGRICEMACTCI<500BHP
EUEMGRICE12	Plant 6 -350 bhp diesel 2-stroke emergency generator	1966	FGRICEMACTCI<500BHP
EUEMGRICE13	South pump house - 189 bhp diesel 2-stroke emergency fire pump generator	1978	FGRICEMACTCI<500BHP
EUEMGRICE16	Powerhouse - 521 bhp diesel 2-stroke emergency generator	1970	FGRICEMACTCI>500BHP
EUEMGRICE17	Plant 4 - 745 bhp diesel 2-stroke emergency generator	1973	FGRICEMACTCI>500BHP
EUEMGRICE18	Plant 5 - 1489 bhp diesel 2-stroke emergency generator	1987	FGRICEMACTCI>500BHP
EUEMGRICE19	Plant 7 - 521 bhp diesel 2-stroke emergency generator	1979	FGRICEMACTCI>500BHP
EUEMGRICE20	Plant 7 - 521 bhp diesel 2-stroke emergency generator	1970	FGRICEMACTCI>500BHP
EUEMGRICE21	Wastewater plant – 745 bhp diesel 2-stroke emergency generator	1994	FGRICEMACTCI>500BHP
EUEMGRICE22	Plant 99 – 530 hp Natural gas 4-stroke emergency generator manufactured in 2014	2014	FGNSPSJJJJ
EUEMGRICE23	Radio Tower – 97.7 hp Natural gas 4-stroke emergency generator manufactured in 2015	2015	FGNSPSJJJJ
EUGASTANK1	Truck gate Towerline Road Entrance 1,000 gal	2003	FGGASDISPGACT
EUGASTANK2	Plant 4 – south side of plant 800 gal	2010	FGGASDISPGACT
EUGASTANK3	Plant 5 – west side of plant 300 gal	2010	FGGASDISPGACT
EUGASTANK4	Plant1 – southwest corner of back lot 800 gal	2010	FGGASDISPGACT
EUGASTANK5	Contractor’s area 300 gal	2012	FGGASDISPGACT
EUPB16	Maintenance Paint Booth – Plant 4	1988	FGRULE287
EUPB18	Maintenance Paint Booth – Plant 6	1991	FGRULE287

**EUBR02**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Boiler No. 2 - 77 MMBTU/hour heat input natural gas fired boiler supplying up to 60,000 pounds of steam per hour to the facility. (PTI No. 143-02)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NOx	39.4 ton per year <sup>2</sup>	12-month rolling time period as determined at the end of each calendar month	EUBR02	SC VI.1 & 2	R 336.1205 (1)(a) and (b)
2. NOx	210 lb NOx <sup>2</sup>	Per MM SCF of natural gas	EUBR02	SC II.1	R 336.1205 (1)(a) and (b)

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Natural Gas	375 MM SCF <sup>2</sup>	12-month rolling time period as determined at the end of each calendar month	EUBR02	SC VI.1	R 336.1205 (1)(a) and (b)

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. Permittee shall only burn pipeline quality natural gas in EUBR02.<sup>2</sup> (R 336.1205 (1)(a) and (b))

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall install, calibrate, maintain, and operate in a satisfactory manner a device to monitor and record the natural gas usage for EUBR02 on a monthly basis.<sup>2</sup> (R 336.1205 (1)(a) and (b))

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. (R 336.1213(3)(b)(ii))

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall keep monthly natural gas usage records indicating the total amount of natural gas used, in cubic feet, on a calendar month basis and a 12-month rolling time period basis for EUBR02. The permittee shall also keep records of the tested NOx emission limit. All records shall be kept on file for a period of at least five (5) years and made available to the Department upon request.<sup>2</sup> **(R 336.1205 (1)(a) and (b))**
2. The permittee shall keep monthly and previous 12-month NOx calculation records for EUBR02. All records shall be kept on file for a period of at least five (5) years and made available to the Department upon request.<sup>2</sup> **(R 336.1205 (1)(a) and (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:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
SVP5-299	48 <sup>1</sup>	92 <sup>1</sup>	R 336.1225

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**EUBR03**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Boiler No. 3 – 150 MMBTU/hr heat input, natural gas-fired boiler supplying up to 125,000 pounds of steam per hour to the facility. (PTI No. 175-14)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

Low NOx burner

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NOx	0.12 lb/MMBTU <sup>2</sup>	Hourly*	EUBR03	SC V.1	R 336.1205(3)
2. NOx	18.0 lb/hr <sup>2</sup>	Hourly*	EUBR03	SC V.1	R 336.1205(3)
3. CO	0.10 lb/MMBTU <sup>2</sup>	Hourly*	EUBR03	SC V.1	R 336.1205(3)
4. CO	15.0 lb/hr <sup>2</sup>	Hourly*	EUBR03	SC V.1	R 336.1205(3)

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Natural gas	2,500 MM scf <sup>2</sup>	12-month rolling time period as determined at the end of each calendar month	EUBR03 EUBR05 EUBR06	SC VI.1 and 3	R 336.1205(1)(a) and (b)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall combust only natural gas in EUBR03.<sup>2</sup> (R 336.1205(3) and 40 CFR 63.11195(e))
2. The permittee shall not operate EUBR03 unless the low NOx burner is installed and is operating properly.<sup>2</sup> (R 336.1201(3))

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

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

1. Within three years of the most recent stack test, and thereafter every three years (34 – 38 months), the permittee shall verify CO and NOx emission rates from EUBR03 by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A
CO	40 CFR Part 60, Appendix A

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall obtain and maintain, at the facility, fuels receipts (such as current, valid purchase contract, tariff sheet, or transportation contract) from the fuel supplier, that certify that the natural gas meets the definition of natural gas as contained in 40 CFR 63.7575. **(40 CFR 63.7575)**
2. The permittee shall maintain records documenting when EUBR03 has been tuned.<sup>2</sup> **(R 336.1201(3))**
3. The permittee shall record, on a monthly basis and rolling 12-month time period, the amount of natural gas combusted in EUBR03, EUBR05, and EU-BR06.<sup>2</sup> **(R 336.1205(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. SVP5-298	48 <sup>2</sup>	92 <sup>2</sup>	R 336.1225

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**EUBR05**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Boiler No. 5 – 180 MMBTU/hr heat input, natural gas-fired boiler, supplying up to 150,000 pounds of steam per hour to the facility. (PTI No. 175-14)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

Low NOx burner

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NOx	0.12 lb/MMBTU <sup>2</sup>	Hourly*	EUBR05	SC V.1	R 336.1205(3)
2. NOx	21.6 lb/hr <sup>2</sup>	Hourly*	EUBR05	SC V.1	R 336.1205(3)
3. CO	0.10 lb/MMBTU <sup>2</sup>	Hourly*	EUBR05	SC V.1	R 336.1205(3)
4. CO	18.0 lb/hr <sup>2</sup>	Hourly*	EUBR05	SC V.1	R 336.1205(3)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Natural gas	2,500 MM scf <sup>2</sup>	12-month rolling time period as determined at the end of each calendar month	EUBR03 EUBR05 EUBR06	SC VI.1 and 3	R 336.1205(1)(a) and (b)

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall combust only natural gas in EUBR05.<sup>2</sup> (R 336.1205(3))
2. The permittee shall not operate EUBR05 unless the low NOx burner is installed and is operating properly.<sup>2</sup> (R 336.1201(3))

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. (R 336.1213(3)(b)(ii))

1. Within three years of the most recent stack test, and thereafter every three years (34 – 38 months), the permittee shall verify CO and NOx emission rates from EUBR05 by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A
CO	40 CFR Part 60, Appendix A

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall obtain and maintain, at the facility, fuels receipts (such as current, valid purchase contract, tariff sheet, or transportation contract) from the fuel supplier, that certify that the natural gas meets the definition of natural gas as contained in 40 CFR 63.7575.<sup>2</sup> **(40 CFR 63.7575)**
2. The permittee shall maintain records documenting when EUBR05 has been tuned.<sup>2</sup> **(R 336.1205(3))**
3. The permittee shall record, on a monthly basis and rolling 12-month time period, the amount of natural gas combusted in EUBR03, EUBR05, and EUBR06.<sup>2</sup> **(R 336.1205(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. SVP5-283	48 <sup>1</sup>	93 <sup>1</sup>	R 336.1225

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**EUBR06**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Boiler No. 6 – 180 MMBTU/hr heat input, natural gas-fired boiler, supplying up to 150,000 pounds of steam per hour to the facility. (PTI No. 175-14)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

Low NOx burner

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NOx	0.12 lb/MMBTU <sup>2</sup>	Hourly*	EUBR06	SC V.1	R 336.1205(3)
2. NOx	21.6 lb/hr <sup>2</sup>	Hourly*	EUBR06	SC V.1	R 336.1205(3)
3. CO	0.10 lb/MMBTU <sup>2</sup>	Hourly*	EUBR06	SC V.1	R 336.1205(3)
4. CO	18.0 lb/hr <sup>2</sup>	Hourly*	EUBR06	SC V.1	R 336.1205(3)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Natural gas	2,500 MM scf <sup>2</sup>	12-month rolling time period as determined at the end of each calendar month	EUBR03 EUBR05 EUBR06	SC VI.1 and 3	R 336.1205(1)(a) and (b)

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall combust only natural gas in EUBR06.<sup>2</sup> (R 336.1205(3) and 40 CFR 63.11195(e))
2. The permittee shall not operate EUBR06 unless the low NOx burner is installed and is operating properly.<sup>2</sup> (R 336.1205(3))

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. (R 336.1213(3)(b)(ii))

1. Within three years of the most recent stack test, and thereafter every three years (34 – 38 months), the permittee shall verify CO and NOx emission rates from EUBR06 by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A
CO	40 CFR Part 60, Appendix A

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall obtain and maintain, at the facility, fuels receipts (such as current, valid purchase contract, tariff sheet, or transportation contract) from the fuel supplier, that certify that the natural gas meets the definition of natural gas as contained in 40 CFR 63.7575. **(40 CFR 63.7575)**
2. The permittee shall maintain records documenting when EUBR06 has been tuned.<sup>2</sup> **(R 336.1205(3))**
3. The permittee shall record, on a monthly basis and rolling 12-month time period, the amount of natural gas combusted in EUBR03, EUBR05, and EUBR06.<sup>2</sup> **(R 336.1205(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. SVP5-282	48 <sup>1</sup>	93 <sup>1</sup>	R 336.1225

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**EUBL11**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Shot, Sand and Wire Blaster - An abrasive grit is used to clean and remove iron scale or burrs from wire, or various machined parts such as the front wheel drive axle or steering shafts. This emission unit is subject to 40 CFR Part 64 (CAM Rule). (PTI No. 83-79A)

**Flexible Group:** NA

**POLLUTION CONTROL EQUIPMENT**

DVC Fabric Filter

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter	0.10 pounds <sup>2</sup>	Per 1000 pounds of exhaust gases, calculated on a dry gas basis*	EUBL11	SC V.1 SC VI.1	R 336.1331(1)(c)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate EUBL11 unless a malfunction abatement plan (MAP) as described in Rule 911(2), for EUBL11 operation, has been submitted and is implemented and maintained. The MAP shall, at a minimum, specify the following:
  - a. A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement;
  - b. An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures;
  - c. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits;

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.213(3), R 336.1911)**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. Permittee shall equip and maintain the fabric filter system with a device to measure the pressure drop across it. **(R 336.1213(3))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. No later than December 31, 2023, the permittee shall verify PM emission rates. Testing shall be performed using an approved EPA Method listed in:

<b>Pollutant</b>	<b>Test Method Reference</b>
PM	40 CFR Part 60, Appendix A

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall continuously measure the pressure drop and record once daily as an indicator of proper operation of the dust collector. The indicator range is 1-3 inches water column ("WC). **(40 CFR 64.6(c)(1)(i) and (ii))**
2. The pressure gauge, etc. shall continuously monitor the pressure drop across the dust collector. The monitor shall be calibrated annually or according to manufacturer recommendations, whichever is more frequent. **(40 CFR 64.6(c)(1)(iii))**
3. A pressure drop excursion is a departure from the indicator range of 1 to 3" WC. **(40 CFR 64.6(c)(2))**
4. Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Excursions will be verified in addition to confirming the integrity of the dust collector filters to ensure that particulate emissions are being properly controlled. This will be noted in internal logs, repair requests, and other communications to support the record keeping, reporting, and notifications that may be precipitated as indicated in the decision matrix. **(40 CFR 64.7(d))**
5. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. **(40 CFR 64.6(c)(3), 40 CFR 64.7(c))**

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

## **VII. REPORTING**

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

**See Appendix 8**

## **VIII. STACK/VENT RESTRICTION(S)**

NA

## **IX. OTHER REQUIREMENT(S)**

1. The permittee shall comply with all applicable requirements of 40 CFR Part 64. **(40 CFR Part 64)**
2. If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the AQD and if necessary, submit a proposed modification of the ROP and CAM Plan to address the necessary monitoring changes. Such a modification may include but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. **(40 CFR 64.7(e))**

### **Footnotes:**

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

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

**EUBL12**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Blaster (Shot or Sand) – An abrasive steel shot is used to deburr the yoke of the steering intermediate shaft. This emission unit is subject to 40 CFR Part 64 (CAM Rule). (PTI No. 545-79)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

DVC Fabric Filter

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter	0.10 pounds <sup>2</sup>	Per 1000 pounds of exhaust gases, calculated on a dry gas basis*	EUBL12	SC V.1 SC VI.1	R 336.1331(1)(c)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate EUBL12 unless a malfunction abatement plan (MAP) as described in Rule 911(2), for EUBL12 operation, has been submitted and is implemented and maintained. The MAP shall, at a minimum, specify the following:
  - a. A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement;
  - b. An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures;
  - c. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.1213(3), R 336.1911)**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. Permittee shall equip and maintain the DVC FABRIC FILTER with a device to measure the pressure drop across it. **(R 336.1213(3))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. No later than December 31, 2023, the permittee shall verify PM emission rates. Testing shall be performed using an approved EPA Method listed in:

<b>Pollutant</b>	<b>Test Method Reference</b>
PM	40 CFR Part 60, Appendix A

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall continuously measure the pressure drop and record once daily as an indicator of proper operation of the dust collector. The indicator range is 1-3 inches water column ("WC). **(40 CFR 64.6(c)(1)(i) and (ii))**
2. The pressure gauge, etc. shall continuously monitor the pressure drop across the dust collector. The monitor shall be calibrated annually or according to manufacturer recommendations, whichever is more frequent. **(40 CFR 64.6(c)(1)(iii))**
3. A pressure drop excursion is a departure from the indicator range of 1 to 3" WC. **(40 CFR 64.6(c)(2))**
4. Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Excursions will be verified in addition to confirming the integrity of the dust collector filters to ensure that particulate emissions are being properly controlled. This will be noted in internal logs, repair requests, and other communications to support the record keeping, reporting, and notifications that may be precipitated as indicated in the decision matrix. **(40 CFR 64.7(d))**
5. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. **(40 CFR 64.6(c)(3), 40 CFR 64.7(c))**

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

**VII. REPORTING**

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

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:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SVP7-125	122	372	<b>R 336.1201(3)</b>

**IX. OTHER REQUIREMENT(S)**

1. The permittee shall comply with all applicable requirements of 40 CFR Part 64. **(40 CFR Part 64)**
2. If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the AQD and if necessary, submit a proposed modification of the ROP and CAM Plan to address the necessary monitoring changes. Such a modification may include but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. **(40 CFR 64.7(e))**

**Footnotes:**

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

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

**EUCG02**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Eight (8) Lathes – used to remove excess metal from parts. A water-soluble oil is used to cool the tooling as well as flush away the metal grit from the part. This emission unit is subject to 40 CFR Part 64 (CAM Rule). (PTI No. 484-91A)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

DVSCRUBBER

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter	0.09 pounds <sup>2</sup>	Per 1000 pounds of exhaust gases, calculated on a dry gas basis*	EUCG02	SC V.1 SC VI.1 and 2	R 336.1331(1)(c)
2. Particulate Matter	6.1 pounds per hour <sup>2</sup>	Hourly*	EUCG02	SC V.1 SC VI.1 and 2	R 336.1331(1)(c)
3. Particulate Matter	26.7 tons per year <sup>2</sup>	Yearly	EUCG02	SC VI.1 and 2	R 336.1331(1)(c)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate EUCG02 unless a malfunction abatement plan (MAP) as described in Rule 911(2), for EUCG02 operation, has been submitted and is implemented and maintained. The MAP shall, at a minimum, specify the following:
  - a. A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement;
  - b. An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures;
  - c. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits;

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP

shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.213(3), R 336.1911)**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. Permittee shall equip and maintain the wet scrubber with a device to indicate if liquid is flowing into the scrubber.<sup>2</sup> **(R 336.1910)**
2. Permittee shall equip and maintain the wet scrubber with a device to measure the pressure drop across it. **(R 336.1213(3))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. No later than December 31, 2023, the permittee shall verify PM emission rates. Testing shall be performed using an approved EPA Method listed in:

<b>Pollutant</b>	<b>Test Method Reference</b>
PM	40 CFR Part 60, Appendix A

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall continuously measure pressure drop and record once daily as an indicator of proper operation of the scrubber. The indicator range is 8-12 inches of Water Column (WC). **(40 CFR 64.6(c)(1)(i) and (ii))**
2. The permittee shall continuously monitor the scrubber liquid flow rate and record once daily as an indicator of proper operation of the scrubber. The indicator range is a minimum 300 gallons per minute (GPM). **(40 CFR 64.6(c)(1)(i) and (ii))**
3. The pressure gauge shall continuously monitor pressure drop across the scrubber. The monitor shall be calibrated annually or according to manufacturer recommendations whichever is more frequent. **(40 CFR 64.6(c)(1)(iii))**
4. The flow meter shall continuously monitor the scrubber liquid flow. The monitor shall be calibrated annually or according to manufacturer recommendations whichever if more frequent. **(40 CFR 64.6(c)(1)(iii))**
5. A pressure drop excursion is a departure from the indicator range of 8-12 inches of WC. **(40 CFR 64.6(c)(2))**
6. A scrubber flow rate excursion is a departure from the indicator range of minimum 300 GPM. **(40 CFR 64.6(c)(2))**
7. Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Excursions

will be verified in addition to confirming the integrity of the scrubber to ensure that particulate emissions are being properly controlled. This will be noted in internal logs, repair requests, and other communications to support the record keeping, reporting, and notifications that may be precipitated as indicated in the decision matrix. **(40 CFR 64.7(d))**

8. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. **(40 CFR 64.6(c)(3), 40 CFR 64.7(c))**
9. The permittee shall properly maintain the monitoring system including keeping necessary parts for routine repairs of the monitoring equipment. **(40 CFR 64.7(b))**
10. The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan and any activities undertaken to implement a quality improvement plan, and other information such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions. **(40 CFR 64.9(b)(1))**

**VII. REPORTING**

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

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. SVP4-130	28 <sup>2</sup>	37 <sup>2</sup>	R 336.1201(3)

**IX. OTHER REQUIREMENT(S)**

1. The permittee shall comply with all applicable requirements of 40 CFR Part 64. **(40 CFR Part 64)**
2. If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the AQD and if necessary, submit a proposed modification of the ROP and CAM Plan to address the necessary monitoring changes. Such a modification may include but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. **(40 CFR 64.7(e))**

**Footnotes:**

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

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

**EUCG03**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Twenty-nine (29) grinding stations– used to remove excess metal from parts. The grinding action against the parts generates particulate matter in the form of oil mist and grit. This emission unit is subject to 40 CFR Part 64 (CAM Rule). (PTI 503-91)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

DVSCRUBBER

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Opacity	Visible emissions shall not exceed 10 percent <sup>2</sup>	6-minutes	EUCG03	SC VI.1 and 2	R 336.1301(1)(c)
2. Particulate Matter	0.01 pounds <sup>2</sup>	Per 1000 pounds of exhaust gases, calculated on a dry gas basis*	EUCG03	SC V.1 SC VI.1 and 2	R 336.1331(1)(c)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate EUCG03 unless a malfunction abatement plan (MAP) as described in Rule 911(2), for EUCG03 operation, has been submitted and is implemented and maintained. The MAP shall, at a minimum, specify the following:
  - a. A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement;
  - b. An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures;
  - c. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP

shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.213(3), R 336.1911)**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. Permittee shall equip and maintain the wet scrubber collector(s) with a liquid flow indicator.<sup>2</sup> **(R 336.1910)**
2. Permittee shall equip and maintain the wet scrubber with a device to measure the pressure drop across it. **(R 336.1213(3))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. No later than December 31, 2023, the permittee shall verify PM emission rates. Testing shall be performed using an approved EPA Method listed in:

<b>Pollutant</b>	<b>Test Method Reference</b>
PM	40 CFR Part 60, Appendix A

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall continuously measure pressure drop and record once daily as an indicator of proper operation of the scrubber. The indicator range is 8-12 inches of Water Column (WC). **(40 CFR 64.6(c)(1)(i) and (ii))**
2. The permittee shall continuously monitor the scrubber liquid flow rate and record once daily as an indicator of proper operation of the scrubber. The indicator range is a minimum 700 gallons per minute (GPM). **(40 CFR 64.6(c)(1)(i) and (ii))**
3. The pressure gauge shall continuously monitor pressure drop across the scrubber. The monitor shall be calibrated annually or according to manufacturer recommendations whichever is more frequent. **(40 CFR 64.6(c)(1)(iii))**
4. The flow meter shall continuously monitor the scrubber liquid flow. The monitor shall be calibrated annually or according to manufacturer recommendations whichever if more frequent. **(40 CFR 64.6(c)(1)(iii))**
5. A pressure drop excursion is a departure from the indicator range of 8-12 inches of WC. **(40 CFR 64.6(c)(2))**
6. A scrubber flow rate excursion is a departure from the indicator range of minimum 700 GPM. **(40 CFR 64.6(c)(2))**
7. Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Excursions will be verified in addition to confirming the integrity of the scrubber to ensure that particulate emissions are being

properly controlled. This will be noted in internal logs, repair requests, and other communications to support the record keeping, reporting, and notifications that may be precipitated as indicated in the decision matrix. **(40 CFR 64.7(d))**

8. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. **(40 CFR 64.6(c)(3), 40 CFR 64.7(c))**
9. The permittee shall properly maintain the monitoring system including keeping necessary parts for routine repairs of the monitoring equipment. **(40 CFR 64.7(b))**
10. The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan and any activities undertaken to implement a quality improvement plan, and other information such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions. **(40 CFR 64.9(b)(1))**

**VII. REPORTING**

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

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. SVP4-219	48 <sup>2</sup>	46 <sup>2</sup>	R 336.1201(3)

**IX. OTHER REQUIREMENT(S)**

1. The permittee shall comply with all applicable requirements of 40 CFR Part 64. **(40 CFR Part 64)**
2. If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the AQD and if necessary, submit a proposed modification of the ROP and CAM Plan to address the necessary monitoring changes. Such a modification may include but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. **(40 CFR 64.7(e))**

**Footnotes:**

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

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

**EUCG07**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Ten (10) grinding stations – used to remove excess metal from parts. The grinding action against the parts generates particulate matter in the form of oil mist and grit. This emission unit is subject to 40 CFR Part 64 (CAM Rule). (PTI 176-98)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

DVSCRUBBER

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Opacity	Visible emissions shall not exceed 5 percent <sup>2</sup>	6-minutes	EUCG07	SC VI.1 and 2	R 336.1301(1)(c)
2. Particulate Matter	0.01 pounds <sup>2</sup>	Per 1000 pounds of exhaust gases, calculated on a dry gas basis*	EUCG07	SC V.1 SC VI.1 and 2	R 336.1331(1)(c)
3. Particulate Matter	1.6 pounds per hour <sup>2</sup>	Hourly*	EUCG07	SC V.1 SC VI.1 and 2	R3 36.1331(1)(c)
4. Particulate Matter	6.9 tons per year <sup>2</sup>	Yearly	EUCG07	SC VI.1 and 2	R 336.1331(1)(c)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate EUCG07 unless a malfunction abatement plan (MAP) as described in Rule 911(2), for EUCG07 operation, has been submitted and is implemented and maintained. The MAP shall, at a minimum, specify the following:
  - a. A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement;
  - b. An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures;
  - c. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.213(3), R 336.1911)**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. Permittee shall equip and maintain the wet scrubber with a device to indicate if liquid is flowing into the scrubber.<sup>2</sup> **(R 336.1910)**
2. Permittee shall equip and maintain the wet scrubber collector with a device to measure the pressure drop across it. **(R 336.1213(3))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. No later than December 31, 2023, the permittee shall verify PM emission rates. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall continuously measure pressure drop and record once daily as an indicator of proper operation of the scrubber. The indicator range is 8-12 inches of Water Column (WC). **(40 CFR 64.6(c)(1)(i) and (ii))**
2. The permittee shall continuously monitor the scrubber liquid flow rate and record once daily as an indicator of proper operation of the scrubber. The indicator range is a minimum 320 gallons per minute (GPM). **(40 CFR 64.6(c)(1)(i) and (ii))**
3. The pressure gauge shall continuously monitor pressure drop across the scrubber. The monitor shall be calibrated annually or according to manufacturer recommendations whichever is more frequent. **(40 CFR 64.6(c)(1)(iii))**
4. The flow meter shall continuously monitor the scrubber liquid flow. The monitor shall be calibrated annually or according to manufacturer recommendations whichever if more frequent. **(40 CFR 64.6(c)(1)(iii))**
5. A pressure drop excursion is a departure from the indicator range of 8-12 inches of WC. **(40 CFR 64.6(c)(2))**
6. A scrubber flow rate excursion is a departure from the indicator range of minimum 320 GPM. **(40 CFR 64.6(c)(2))**

7. Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Excursions will be verified in addition to confirming the integrity of the scrubber to ensure that particulate emissions are being properly controlled. This will be noted in internal logs, repair requests, and other communications to support the record keeping, reporting, and notifications that may be precipitated as indicated in the decision matrix. **(40 CFR 64.7(d))**
8. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. **(40 CFR 64.6(c)(3), 40 CFR 64.7(c))**
9. The permittee shall properly maintain the monitoring system including keeping necessary parts for routine repairs of the monitoring equipment. **(40 CFR 64.7(b))**
10. The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan and any activities undertaken to implement a quality improvement plan, and other information such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions. **(40 CFR 64.9(b)(1))**

## **VII. REPORTING**

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

**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. SVP4-285A	43 <sup>2</sup>	43 <sup>2</sup>	R 336.1201(3)

**IX. OTHER REQUIREMENT(S)**

1. The permittee shall comply with all applicable requirements of 40 CFR Part 64. **(40 CFR Part 64)**
2. If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the AQD and if necessary, submit a proposed modification of the ROP and CAM Plan to address the necessary monitoring changes. Such a modification may include but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. **(40 CFR 64.7(e))**

**Footnotes:**

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

**EUMI07**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Thermal Deburring Unit rated at 0.06 MMBTU/hr – A low fuel mixture is injected into the chamber of the machine and ignited. A high temperature is used to burn off any remaining steel burrs from the valve body of the rack and pinion steering gear. (PTI 186-89)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter	0.10 pounds <sup>2</sup>	Per 1000 pounds of exhaust gases, calculated on a dry gas basis*	EUMI07	SCV.1	R 336.1331(1)(c)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. (R 336.1213(3)(b)(ii))

- The permittee shall verify PM emission rates from EUMI07 upon written request of the AQD by testing at owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must

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

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. (R 336.1213(3)(b)(ii))

NA

**VII. REPORTING**

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

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:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SVP7-194	6 <sup>2</sup>	37 <sup>2</sup>	R 336.1201(3)

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**EUPC07**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Iron Phosphate Coating System – used to spray clean/remove contaminants and clean various metal parts to improve machining capabilities. (PTI 341-81)

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT**

DVFUME Scrubbers (6 total)

**I. EMISSION LIMIT(S)**

NA

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate EUPC07 unless a malfunction abatement plan (MAP) as described in Rule 911(2), for EUPC07 operation, has been submitted and is implemented and maintained. The MAP shall, at a minimum, specify the following:
  - a. A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement;
  - b. An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures;
  - c. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.213(3), R 336.1911)**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. Permittee shall equip and maintain the fume scrubbers with a device to indicate if liquid is flowing into the scrubbers.<sup>2</sup> **(R 336.1910)**
2. Permittee shall equip and maintain each of the fume scrubbers with a device to measure the individual pressure drop across them. **(R 336.1213(3))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. Permittee shall monitor and record the pressure drops across the individual fume scrubbers and their flow rates once every two-week calendar period. If a recorded measurement exceeds the acceptable operating range stated in the facility's malfunction abatement plan as approved by the AQD District Supervisor, the permittee shall implement corrective action and maintain a record of action taken to prevent reoccurrence. The permittee is not required to monitor and record operational parameter data during a calendar week of non-operation of the device resulting in cessation of the emissions to which the monitoring applies. **(R 336.1213(3))**

**VII. REPORTING**

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

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**EUPC08**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Iron Phosphate Coating System – used to spray clean/remove contaminants and clean various metal parts to improve machining capabilities. (PTI 469-89B)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

Mist Eliminators (4) – System A  
 DVSCRUBBER – System B  
 DVSCRUBBER – System C  
 DVSCRUBBER - System D  
 DVSCRUBBER - System E

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter	0.01 pounds <sup>2</sup>	Per 1000 pounds of exhaust gases, calculated on a dry gas basis, from each exhaust point (stack), separately	EUPC08	SC VI.1	R 336.1331(1)(c)
2. Particulate Matter	3.7 pounds per hour <sup>2</sup>	Hourly	EUPC08	SC VI.1	R 336.1331(1)(c)

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate EUPC08 unless a malfunction abatement plan (MAP) as described in Rule 911(2), for EUPC08 operation, has been submitted and is implemented and maintained. The MAP shall, at a minimum, specify the following:
  - a. A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement;
  - b. An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures;
  - c. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP

shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.213(3), R 336.1911)**

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. Permittee shall equip and maintain each scrubber with a liquid flow indicator.<sup>2</sup> **(R 336.1910)**
2. Permittee shall equip and maintain each scrubber with a device to measure the individual pressure drop across it. **(R 336.1213(3))**

#### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

NA

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. Permittee shall maintain the operation of the mist eliminators (i.e., system A) with a manual washdown once every two-week calendar period. If the mist eliminators become inoperable, the permittee shall implement corrective action and maintain a record of action taken to prevent reoccurrence with the facility's malfunction abatement plan as approved by the AQD District Supervisor. The permittee is not required to monitor and record operational parameter data during a calendar week of non-operation of the device resulting in cessation of the emissions to which the monitoring applies. **(R 336.1213(3))**
2. Permittee shall monitor and record the pressure drops across the individual control devices and their flow rates (i.e., systems B, C, D, and E) once every two-week calendar period. If a recorded measurement exceeds the acceptable operating range for each of the control devices stated in the facility's malfunction abatement plan as approved by the AQD District Supervisor, the permittee shall implement corrective action and maintain a record of action taken to prevent reoccurrence. The permittee is not required to monitor and record operational parameter data during a calendar week of non-operation of the device resulting in cessation of the emissions to which the monitoring applies. **(R 336.1213(3))**

#### **VII. REPORTING**

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

**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:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SVP4 207 System A	30 <sup>2</sup>	50 <sup>2</sup>	<b>R 336.1201(3)</b>
2. SVP4-208 System B	38 <sup>2</sup>	50 <sup>2</sup>	<b>R 336.1201(3)</b>
3. SVP4-203 System C	38 <sup>2</sup>	50 <sup>2</sup>	<b>R 336.1201(3)</b>
4. SVP4-209 System D	38 <sup>2</sup>	50 <sup>2</sup>	<b>R 336.1201(3)</b>
5. SVP4-210 System E	44 <sup>2</sup>	42 <sup>2</sup>	<b>R 336.1201(3)</b>

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**EUPC09**  
**EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Iron Phosphate Coating System – used to spray clean/remove contaminants and clean various metal parts to improve machining capabilities. (PTI 629-94)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

Wet scrubber

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Opacity	Visible emissions shall not exceed 5 percent <sup>2</sup>	6-minutes	EUPC09	SC VI.1	R 336.1301(1)(c)
2. Particulate Matter	0.01 pounds <sup>2</sup>	Per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUPC09	SC VI.1	R 336.1331(1)(c)
3. Particulate Matter	1.35 pounds per hour <sup>2</sup>	Hourly	EUPC09	SC VI.1	R 336.1331(1)(c)

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate EUPC09 unless a malfunction abatement plan (MAP) as described in Rule 911(2), for EUPC09 operation, has been submitted and is implemented and maintained. The MAP shall, at a minimum, specify the following:
  - a. A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement.
  - b. An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures.
  - c. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective

procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.213(3), R 336.1911)**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. Permittee shall equip and maintain the wet scrubber with a device to measure the pressure drop across it. **(R 336.1213(3))**
2. Permittee shall equip and maintain the wet scrubber with a liquid flow indicator.<sup>2</sup> **(R 336.1910)**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. Permittee shall monitor and record the pressure drop across wet scrubber once every two-week calendar period. If the recorded pressure drop exceeds the acceptable operating range stated in the facility’s malfunction abatement plan as approved by the AQD District Supervisor, the permittee shall implement corrective action and maintain a record of action taken to prevent recurrence. The permittee is not required to monitor and record operational parameter data during a calendar week of non-operation of the device resulting in cessation of the emissions to which the monitoring applies. **(R 336.1213(3))**

**VII. REPORTING**

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

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. SVP6-254	44 <sup>2</sup>	64 <sup>2</sup>	R 336.1201(3)

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**EUSTR99  
 EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Air stripping tower, pump(s), and a groundwater flow distribution system. (PTI 236-07)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	0.4 ton per year <sup>2</sup>	12-month rolling time period as determined at the end of each calendar month	EUSTR99	SC VI.4	R 336.1225, R 336.1702(a)

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. (R 336.1213(3)(b)(ii))

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. (R 336.1213(3)(b)(ii))

1. The permittee shall monitor the air stripper influent and effluent water streams for these parameters on a semiannual basis. The permittee shall determine the total VOC concentration using the standard EGLE groundwater analytical scans for VOCs. The permittee shall submit any request for a change in the sampling frequency to the AQD District Supervisor for review and approval.<sup>2</sup> (R 336.1225, R 336.1702(a))
2. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> (R 336.1225, R 336.1702(a))
3. The permittee shall record the flow rate and total VOC concentration of the air stripper influent and effluent water streams. This shall be done on a semiannual basis. All records shall be kept using Appendix 4 or an approved

equivalent method and kept on file for a period of at least five (5) years and made available to the Department upon request. Any request for a change in the reporting frequency shall be submitted to the AQD District Supervisor for review and approval.<sup>2</sup> (R 336.1225, R 336.1702(a))

- The permittee shall keep, in a satisfactory manner, monthly and 12-month rolling time period calculations of VOC emission rates for EUSTR99-S2, as required by SC I.1. The permittee shall keep all records on file for a period of at least five (5) years and make them available to the Department upon request.<sup>2</sup> (R 336.1205(3), R 336.1225, R 336.1702(a), R 336.1901)

See Appendix 4

**VII. REPORTING**

- Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))
- 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))
- 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. SVP99-001	4 <sup>1</sup>	63 <sup>1</sup>	R 336.1225

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

## D. FLEXIBLE GROUP SPECIAL CONDITIONS

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

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

### FLEXIBLE GROUP SUMMARY TABLE

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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGFN92	Natural Gas Fired Carburizing or Allcase Furnaces with Integral Oil Quench – used to carburize and heat treat steel front-wheel drive components to provide the proper surface finish and hardness to meet performance specifications. (PTI No. 618-78 for CF 01 & 02; PTI No. 82-75 for FN08 & 09; PTI No. 663-78 for CF10 & 11)	EUCF01 EUCF02 EUCF10 EUCF11 EUFN08 EUFN09
FGFN93	Natural Gas Fired Carburizing or Allcase Furnaces with Integral Oil Quench – used to carburize and heat treat steel front-wheel drive components to provide the proper surface finish and hardness to meet performance specifications. (PTI No. 625-79 for FN06 & 07; PTI No. 522-79 for FN10)	EUFN06 EUFN07 EUFN10
FGCF91	Electrically Heated Carburizing Furnaces with Integral Oil Quench – used to carburize and heat treat steel front-wheel drive components to provide the proper surface finish and hardness to meet performance specifications. (PTI 1044-80)	EUCF03 EUCF04
FGCF93	Natural Gas Fired Carburizing or Allcase Furnaces with Integral Oil Quench – used to carburize and heat treat steel front-wheel drive components to provide the proper surface finish and hardness to meet performance specifications. (PTI 332-86)	EUCF09 EUCF12
FGRULE287	Any existing or future emission unit that emits air contaminants that is exempt from the requirements of R 336.1278 and R 336.287(c).	EUPB14 EUPB16 EUPB17 EUPB18 EUPB19
FGRULE290	Any existing or future emission unit that emits air contaminants which is exempt from the requirements of R 336.1201 pursuant to R 336.1290.	<u>Furnaces</u> EUDVCF20 <u>Grinders</u> EUCG17 EUDV420cc-cd EUDV420cn-co EUDV420ct EUDV420cu EUDV541a-g EUDV720fg-fn
FGCF05/15	Two (2) Holcroft natural gas-fired carburizing furnaces with oil quench. (PTI 366-01)	EUCF05 EUCF15

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGCF17/18/19	Two (2) Holcroft natural gas-fired carburizing furnaces and one rehardener furnace. Oil quench stacks are identified for each furnace. (PTI 367-01)	EUCF17 EUCF18 EUCF19
FGCOLDCLEANER	Any new cold cleaner (placed into operation after 07/01/1979) that is exempt from NSR permitting by R 336.1281(h) or R 336.1285(r)(iv).	EUCOLDCLEANER
FGEMGRICEMACTCI<500BHP	Existing emergency CI reciprocating internal combustion engines (RICE) less than 500 bhp- subject to 40 CFR Part 63, Subpart ZZZZ (the RICE MACT).	EUEMGRICE03 EUEMGRICE04 EUEMGRICE06 EUEMGRICE07 EUEMGRICE08 EUEMGRICE09 EUEMGRICE10 EUEMGRICE12 EUEMGRICE13
FGEMGRICEMACTCI>500BHP	Existing emergency CI reciprocating internal combustion engines (RICE) greater than 500 bhp- subject to 40 CFR Part 63, Subpart ZZZZ (the RICE MACT).	EUEMGRICE16 EUEMGRICE17 EUEMGRICE18 EUEMGRICE19 EUEMGRICE20 EUEMGRICE21
FGGASDISPMACT	This flexible group includes existing and new/reconstructed stationary gasoline dispensing facilities (GDFs) located at an area source of hazardous air pollutants (HAPs) that have a maximum monthly gasoline throughput of one of the following: 1. Less than 10,000 gallons 2. At least 10,000 gallons and no more than 100,000 gallons	EUGASTANK1 EUGASTANK2 EUGASTANK3 EUGASTANK4 EUGASTANK5
FGNSPSJJJJ	New emergency SI reciprocating internal combustion engines subject to 40 CFR Part 63, Subpart ZZZZ (the RICE MACT) and 40 CFR Part 60, Subpart JJJJ New Source Performance Standards (NSPS) for spark ignition RICE.	EUEMGRICE22 EUEMGRICE23

**FGFN92**  
**FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Natural gas-fired carburizing and carbonitriding furnaces with integral oil quench - used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications. (PTI No. 618-78 for CF 01 & 02; PTI No. 82-75 for FN08 & 09; PTI No. 663-78 for CF10 & 11)

**Emission Units:** EUCF01, EUCF02, EUFN08, EUFN09 EUCF10, EUCF11

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter	0.10 pounds <sup>2</sup>	Per 1000 pounds of exhaust gases, calculated on a dry gas basis*	EUCF01, EUCF02, EUCF10, EUCF11, EUFN08, EUFN09	SC V.1	R 336.1331(1)(c)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

- The permittee shall verify PM emission rates from FN92 upon written request of the AQD by testing at owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

NA

**VII. REPORTING**

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

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**FGFN93**  
**FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Natural gas-fired carburizing and carbonitriding furnaces with integral oil quench - used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications. (PTI No. 625-79 for FN06 & 07; PTI No. 522-79 for FN10)

**Emission Units:** EUFN06, EUFN07, EUFN10

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter	0.10 pounds <sup>2</sup>	Per 1000 pounds of exhaust gases, calculated on a dry gas basis*	EUFN06, EUFN07, EUFN10	SC V.1	R 336.1331(1)(c)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. (R 336.1213(3)(b)(ii))

- The permittee shall verify PM emission rates from FN93 upon written request of the AQD by testing at owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. (R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

NA

**VII. REPORTING**

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

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:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SVP7-026	18 <sup>2</sup>	37 <sup>2</sup>	<b>R 336.1201(3)</b>
2. SVP7-027	18 <sup>2</sup>	37 <sup>2</sup>	<b>R 336.1201(3)</b>
3. SVP7-033	18 <sup>2</sup>	37 <sup>2</sup>	<b>R 336.1201(3)</b>
4. SVP7-034	18 <sup>2</sup>	37 <sup>2</sup>	<b>R 336.1201(3)</b>
5. SVP7-062	18 <sup>2</sup>	37 <sup>2</sup>	<b>R 336.1201(3)</b>

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**FGCF91**  
**FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Electrically heated holcroft four-row pusher type carburizer heat treat furnaces - used to heat treat the inner and outer race of four-wheel drive axles. (PTI 1044-80)

**Emission Units:** EUCF03, EUCF04

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter	0.10 pounds <sup>2</sup>	Per 1000 pounds of exhaust gases, calculated on a dry gas basis*	EUCF03, EUCF04	SC V.1	R 336.1331(1)(c)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. (R 336.1213(3)(b)(ii))

- The permittee shall verify PM emission rates from FGCF91 upon written request of the AQD by testing at owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. (R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

NA

**VII. REPORTING**

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

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**FGCF05/15**  
**FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Two (2) Holcroft natural gas-fired carburizing furnaces with oil quench. (PTI 366-01)

**Emission Units:** EUCF05, EUCF15

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter	0.12 lbs/hr <sup>2</sup>	Hourly*	EUCF05 (SVP4-091)	SC V.1 SC VI.1	<b>R 336.1331</b>
2. Particulate Matter	0.12 lbs/hr <sup>2</sup>	Hourly*	EUCF15 (SV110206A)	SC V.1 SC VI.1	<b>R 336.1331</b>

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Quench Oil	1760 gallons <sup>2,*</sup>	Monthly usage records	FGCF05/15	SC VI.1	<b>R 336.1331</b>

\*The amount of quench oil used shall be determined on a "net usage" basis. "Net usage" is defined as the amount of quench oil added to FGCF05/15 to bring the quench oil levels up to starting levels less any amount of quench oil reclaimed or removed as waste.

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

- The permittee shall verify PM emission rates from FGCR05/15 upon written request of the AQD by testing at owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall keep, in a satisfactory manner, monthly records of the quench oil usage rate and hours of operation for FGCF05/15. All records shall be kept on file for a period of at least five (5) years and made available to the Department upon request.<sup>2</sup> **(R 336.1331)**

**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. SVP4-090B	18 <sup>2</sup>	38 <sup>2</sup>	40 CFR 52.21(c) and (d)
2. SV110206A	18 <sup>2</sup>	38 <sup>2</sup>	40 CFR 52.21(c) and (d)

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**FGCF93**  
**FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Natural gas-fired carburizing furnaces with integral oil quench - used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications. (PTI 332-86)

**Emission Units:** EUCF09, EUCF12

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter	0.05 pounds <sup>2</sup>	Per 1000 pounds of exhaust gases, calculated on a dry gas basis*	EUCF09, EUCF12	SC V.1	R 336.1331(1)(c)

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. (R 336.1213(3)(b)(ii))

- The permittee shall verify PM emission rates from FGCF93 upon written request of the AQD by testing at owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. (R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

NA

**VII. REPORTING**

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

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:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SVP5-129	18 <sup>2</sup>	38 <sup>2</sup>	<b>R 336.1201(3)</b>
2. SVP5-099	18 <sup>2</sup>	38 <sup>2</sup>	<b>R 336.1201(3)</b>

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**FGCF17/18/19**  
**FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Two (2) Holcroft natural gas-fired carburizing furnaces and one rehardener furnace. Oil quench stacks are identified for each furnace. (PTI 367-01)

**Emission Units:** EUCF17, EUCF18, EUCF19

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter	0.12 pounds per hour <sup>2</sup>	Hourly*	EUCF17 (SVP7-201)	SC V.1 SC VI.1	R 336.1331
2. Particulate Matter	0.12 pounds per hour <sup>2</sup>	Hourly*	EUCF18 (SVP7-204)	SC V.1 SC VI.1	R 336.1331
3. Particulate Matter	0.12 pounds per hour <sup>2</sup>	Hourly*	EUCF19 (SVP7-207)	SC V.1 SC VI.1	R 336.1331

\*If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Quench Oil	3,180 gallons per month <sup>2,*</sup>	Monthly usage records	EUCF17, EUCF18, EUCF19	SC VI.1	R 336.1331

\*The amount of quench oil used shall be determined on a "net usage" basis. "Net usage" is defined as the amount of quench oil added to FGCF17/18/19 to bring the quench oil levels up to starting levels less any amount of quench oil reclaimed or removed as waste.

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five (5) years. (R 336.1213(3)(b)(ii))

1. The permittee shall verify PM emission rates from FGCF17/18/19 upon written request of the AQD by testing at owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. (R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. (R 336.1213(3)(b)(ii))

1. The permittee shall keep, in a satisfactory manner, monthly records of the quench oil usage rate and hours of operation for FGCF17/18/19. All records shall be kept on file for a period of at least five (5) years and made available to the Department upon request.<sup>2</sup> (R 336.1331)

**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. SVP7-201	18 <sup>2</sup>	38.5 <sup>2</sup>	40 CFR 52.21(c) and (d)
2. SVP7-204	18 <sup>2</sup>	39.5 <sup>2</sup>	40 CFR 52.21(c) and (d)
3. SVP7-207	18 <sup>2</sup>	39.5 <sup>2</sup>	40 CFR 52.21(c) and (d)

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

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

**FGRULE287(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:** EUPB14, EUPB16, EUPB17, EUPB18, EUPB19

**POLLUTION CONTROL EQUIPMENT**

Each emission unit is equipped with filters to control emissions.

**I. EMISSION LIMIT(S)**

NA

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Coatings	200 gallons per month (minus water as applied)	Calendar Month	EUPB14, EUPB16, EUPB17, EUPB18, EUPB19	SC VI.1	R 336.1287(c)(i)

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

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

**V. TESTING/SAMPLING**

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

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) years. **(R 336.1213(3)(b)(ii))**

- The permittee shall maintain records of the following information for each emission unit for each calendar month using the methods as denoted on an alternative format that was previously 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))**

**VII. REPORTING**

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

**See Appendix 8**

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA

## **FGCOLDCLEANERS FLEXIBLE GROUP CONDITIONS**

### **DESCRIPTION**

Any cold cleaner that is grandfathered or exempt from Rule 201 pursuant to Rule 278 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:** EUCOLDCLEANER

### **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**

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

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) 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

## 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:** EUDVCF20. EUCG17 EUDV420cc-cd EUDV420cn-co EUDV420ct EUDV420cu EUDV541a-g EUDV720fg-fn

### POLLUTION CONTROL EQUIPMENT

The following Rule 290 emission units are equipped with air pollution control equipment.

Rule 290 Emission Unit	Control Device
EUCG17	Wet scrubber
EUDV420cc-cd	Wet scrubber
EUDV420cn-co	Wet scrubber
EUDV420ct	Wet scrubber
EUDV420cu	Wet scrubber
EUDV541a-g	Wet scrubber
EUDV720fg-fn	Mist collector

### 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**

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

NA

## **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five (5) 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 EGLE, 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))**

**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

## **FGRICEMACTCI<500BHP FLEXIBLE GROUP CONDITIONS**

### **DESCRIPTION**

40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), located at an area source of HAP emissions, existing emergency, compression ignition (CI) RICE equal to or less than 500 bhp. A RICE is existing if the date of installation is before June 12, 2006.

**Emission Unit:** EUEMGRICE03, EUEMGRICE04, EUEMGRICE06, EUEMGRICE07, EUEMGRICE08, EUEMGRICE09, EUEMGRICE10, EUEMGRICE12, EUEMGRICE13

### **POLLUTION CONTROL EQUIPMENT**

NA

#### **I. EMISSION LIMIT(S)**

NA

#### **II. MATERIAL LIMIT(S)**

1. The permittee shall burn only diesel fuel in each engine with a maximum sulfur content of 15 ppm (0.0015 percent) by weight and a minimum Cetane index of 40 or a maximum aromatic content of 35 volume percent. **(40 CFR 63.6604(b), 40 CFR 1090.305)**

#### **III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee must comply with the requirements in Item 4 of Table 2d of 40 CFR Part 63, Subpart ZZZZ which apply to each engine in FGRICEMACTCI<500BHP as specified in the following:
  - a. Change oil and filter every 500 hours of operation or annually, whichever comes first, except as allowed in SC III.2;
  - b. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
  - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

If the emergency engine is being operated during an emergency and it is not possible to shut down the engine to perform the management practice requirements on the schedule required, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State or local law has been abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law or which the risk was deemed unacceptable. **(40 CFR 63.6603(a), 40 CFR Part 63, Subpart ZZZZ, Table 2d.4)**

2. The permittee may utilize an oil analysis program in order to extend the specified oil change requirement in SC III.1. The oil analysis must be performed at the same frequency specified for changing the oil in SC III.1. **(40 CFR 63.6625(i))**
3. The permittee shall operate and maintain each engine in FGRICEMACTCI<500BHP and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner

consistent with good air pollution control practice for minimizing emissions. **(40 CFR 63.6605, 40 CFR 63.6625(e), 40 CFR 63.6640(a), 40 CFR Part 63, Subpart ZZZZ, Table 6.9)**

4. For each engine in FGRICEMACTCI<500BHP, the permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply. **(40 CFR 63.6625(h))**
5. The permittee may operate each engine in FGRICEMACTCI<500BHP for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. **(40 CFR 63.6640(f)(2))**
6. Each engine in FGRICEMACTCI<500BHP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in SC III.5. The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the permittee to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. **(40 CFR 63.6640(f)(4))**

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall equip and maintain each engine in FGRICEMACTCI<500BHP with non-resettable hours meters to track the operating hours. **(40 CFR 63.6625(f))**

#### **V. TESTING/SAMPLING**

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

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

#### **VI. MONITORING/RECORDKEEPING**

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

1. For each engine in FGRICEMACTCI<500BHP, the permittee shall keep in a satisfactory manner the following:
  - a. A copy of each notification and report that was submitted to comply with 40 CFR Part 63, Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted;
  - b. Records of the occurrence and duration of each malfunction of operation or the air pollution control and monitoring equipment;
  - c. Records of performance tests and performance evaluations;
  - d. Records of all required maintenance performed on the air pollution control and monitoring equipment;

- e. Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

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

2. For each engine in FGRICEMACTCI<500BHP, the permittee shall keep in a satisfactory manner, records to demonstrate continuous compliance with the operation and maintenance of the engine according to the manufacturer's emission-related operation and maintenance instructions; or of a maintenance plan that provides 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. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(d), 40 CFR 63.6660, 40 CFR Part 63, Subpart ZZZZ, Table 6.9)**
3. For each engine in FGRICEMACTCI<500BHP, the permittee shall keep in a satisfactory manner, records of the maintenance conducted to demonstrate that the engine and after-treatment control device (if any) were operated and maintained according to the developed maintenance plan. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(e), 40 CFR 63.6660)**
4. The permittee shall monitor and record, the total hours of operation for each engine in FGRICEMACTCI<500BHP on a monthly basis, and the hours of operation during emergency and non-emergency service that are recorded through the non-resettable hour meter for each engine in FGRICEMACTCI<500BHP on a calendar year basis, in a manner acceptable to the AQD District Supervisor. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for emergency operation. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(f), 40 CFR 63.6660)**
5. The permittee shall keep, in a satisfactory manner, fuel supplier certification records or fuel sample test data, for each delivery of diesel fuel oil used in FGRICEMACTCI<500BHP demonstrating that the fuel meets the requirement of SC II.1. The certification or test data shall include the name of the oil supplier or laboratory, the sulfur content, and cetane index or aromatic content of the fuel oil. The permittee shall keep all records on file and make them available to the department upon request. **(R 336.1213(3), 40 CFR 1090.305)**
6. The permittee's records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). **(40 CFR 63.6660(a))**
7. As specified in 40 CFR 63.10(b)(1), the permittee must keep each record for 5-years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. **(40 CFR 63.6660(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)**

NA

**IX. OTHER REQUIREMENT(S)**

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

**Footnotes:**

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

## **FGRICEMACTCI>500BHP FLEXIBLE GROUP CONDITIONS**

### **DESCRIPTION**

40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), located at an area source of HAP emissions, existing emergency, compression ignition (CI) RICE greater than 500 bhp. A RICE is existing if the date of installation is before June 12, 2006.

**Emission Unit:** EUEMGRICE16, EUEMGRICE17, EUEMGRICE18, EUEMGRICE19, EUEMGRICE20, EUEMGRICE21

### **POLLUTION CONTROL EQUIPMENT**

NA

### **I. EMISSION LIMIT(S)**

NA

### **II. MATERIAL LIMIT(S)**

1. The permittee shall burn only diesel fuel in each engine with a maximum sulfur content of 15 ppm (0.0015 percent) by weight and a minimum Cetane index of 40 or a maximum aromatic content of 35 volume percent. **(40 CFR 63.6604(b), 40 CFR 1090.305)**

### **III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee must comply with the requirements in Item 4 of Table 2d of 40 CFR Part 63, Subpart ZZZZ which apply to each engine in FGRICEMACTCI>500BHP as specified in the following:
  - a. Change oil and filter every 500 hours of operation or annually, whichever comes first, except as allowed in SC III.2;
  - b. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
  - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

If the emergency engine is being operated during an emergency and it is not possible to shut down the engine to perform the management practice requirements on the schedule required, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has been abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State, or local law or which the risk was deemed unacceptable. **(40 CFR 63.6603(a), 40 CFR Part 63, Subpart ZZZZ, Table 2d.4)**

2. The permittee may utilize an oil analysis program in order to extend the specified oil change requirement in SC III.1. The oil analysis must be performed at the same frequency specified for changing the oil in SC III.1. **(40 CFR 63.6625(j))**
3. The permittee shall operate and maintain each engine in FGRICEMACTCI>500BHP and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner

consistent with good air pollution control practice for minimizing emissions. **(40 CFR 63.6605, 40 CFR 63.6625(e), 40 CFR 63.6640(a), 40 CFR Part 63, Subpart ZZZZ, Table 6.9)**

4. For each engine in FGRICEMACTCI>500BHP, the permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply. **(40 CFR 63.6625(h))**
5. The permittee may operate each engine in FGRICEMACTCI>500BHP for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. **(40 CFR 63.6640(f)(2))**
6. Each engine in FGRICEMACTCI>500BHP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in SC III.5. The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the permittee to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. **(40 CFR 63.6640(f)(4))**

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall equip and maintain each engine in FGRICEMACTCI>500BHP with non-resettable hours meters to track the operating hours. **(40 CFR 63.6625(f))**

#### **V. TESTING/SAMPLING**

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

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

#### **VI. MONITORING/RECORDKEEPING**

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

1. For each engine in FGRICEMACTCI>500BHP, the permittee shall keep in a satisfactory manner the following:
  - a. A copy of each notification and report that was submitted to comply with 40 CFR Part 63, Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted;
  - b. Records of the occurrence and duration of each malfunction of operation or the air pollution control and monitoring equipment;
  - c. Records of performance tests and performance evaluations;
  - d. Records of all required maintenance performed on the air pollution control and monitoring equipment;

- e. Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

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

2. For each engine in FGRICEMACTCI>500BHP, the permittee shall keep in a satisfactory manner, records to demonstrate continuous compliance with the operation and maintenance of the engine according to the manufacturer's emission-related operation and maintenance instructions; or of a maintenance plan that provides 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. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(d), 40 CFR 63.6660, 40 CFR Part 63, Subpart ZZZZ, Table 6.9)**
3. For each engine in FGRICEMACTCI>500BHP, the permittee shall keep in a satisfactory manner, records of the maintenance conducted to demonstrate that the engine and after-treatment control device (if any) were operated and maintained according to the developed maintenance plan. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(e), 40 CFR 63.6660)**
4. The permittee shall monitor and record, the total hours of operation for each engine in FGRICEMACTCI>500BHP on a monthly basis, and the hours of operation during emergency and non-emergency service that are recorded through the non-resettable hour meter for each engine in FGRICEMACTCI>500BHP on a calendar year basis, in a manner acceptable to the AQD District Supervisor. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(f), 40 CFR 63.6660)**
5. The permittee shall keep, in a satisfactory manner, fuel supplier certification records or fuel sample test data, for each delivery of diesel fuel oil used in FGRICEMACTCI>500BHP, demonstrating that the fuel meets the requirement of SC II.1. The certification or test data shall include the name of the oil supplier or laboratory, the sulfur content, and cetane index or aromatic content of the fuel oil. The permittee shall keep all records on file and make them available to the department upon request. **(R 336.1213(3), 40 CFR 1090.305)**
6. The permittee's records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). **(40 CFR 63.6660(a))**
7. As specified in 40 CFR 63.10(b)(1), the permittee must keep each record for 5-years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. **(40 CFR 63.6660(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)**

NA

**IX. OTHER REQUIREMENT(S)**

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

**Footnotes:**

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

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

## FGGASDISPGACT FLEXIBLE GROUP CONDITIONS

### DESCRIPTION

This flexible group includes existing and new/reconstructed stationary gasoline dispensing facilities (GDFs) located at an area source of hazardous air pollutants (HAPs), subject to the National Emission Standards for Hazardous Air Pollutants from Gasoline Distribution as specified in 40 CFR Part 63, Subparts A and CCCCC, that have a maximum monthly gasoline throughput of one of the following:

1. Less than 10,000 gallons
2. At least 10,000 gallons and no more than 100,000 gallons

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.

The largest tank is EUGASTANK1 with a capacity of 1,000 gallons

**Emission Unit:** EUGASTANK1, EUGASTANK2, EUGASTANK3, EUGASTANK4, EUGASTANK5

### POLLUTION CONTROL EQUIPMENT

NA

#### I. EMISSION LIMIT(S)

NA

#### II. MATERIAL LIMIT(S)

NA

#### III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Required measures for a gasoline dispensing facility (GDF) with Monthly Throughput <10,000 gallons:
  - a. 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. **(40 CFR 63.11116(a))**
  - b. The permittee shall minimize gasoline spills. **(40 CFR 63.11116(a)(1))**
  - c. Spills shall be cleaned up as expeditiously as practicable. **(40 CFR 63.11116(a)(2))**
  - d. The permittee shall 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))**
  - e. The permittee shall 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))**
2. Required measures for GDF with Monthly Throughput >10,000 gallons and <100,000
  - a. The permittee shall comply with the requirements for GDF facilities with monthly throughput <10,000 gallons. However, tanks less than 250 gallons are not subject to the submerged fill requirements in 40 CFR 63.11117(b). **(40 CFR 63.11117(a))**
  - b. The permittee shall only load gasoline into storage tanks by utilizing submerged filling. **(40 CFR 63.11117(b))**

- c. Fill pipes not meeting the submerged fill pipe specifications are allowed if the owner or operator can demonstrate that the liquid level in the tank is always above the entire opening of the fill pipe. Documentation for such demonstration must be made available for inspection. **(40 CFR 63.11117(b))**

**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))**

The permittee shall keep a record of gasoline throughput to be able to demonstrate monthly throughput is less than the 10,000 gallons or 100,000 gallon threshold level. Such record must be made available within 24 hours of a request. **(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)**

NA

**IX. OTHER REQUIREMENT(S)**

1. Permittee shall comply with all applicable provisions of the Gasoline Distribution GACT as specified in 40 CFR Part 63, Subparts A and CCCCC. **(40 CFR Part 63, Subparts A and CCCCC)**
2. If permittee's affected source's throughput ever exceeds an applicable throughput threshold, then permittee's affected source will remain subject to the requirements for sources above the threshold, even if the affected source throughput later falls below the applicable throughput threshold. **(40 CFR 63.11111(i))**

**FGNSPSJJJJ  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

These engines are Spark Ignition (SI), Emergency Reciprocating Internal Combustion Engine (RICE) located at an area source of HAPs and installed after June 12, 2006. These engines are required under 40 CFR 63.6590(c)(1) to show compliance with the RICE MACT by meeting applicable requirements under 40 CFR Part 60, Subpart JJJJ New Source Performance Standards for Spark Ignition RICE.

One natural gas fired, spark ignited 530 HP, emergency engine generator, EUEMGRICE22, stated to have been installed in 2014. It is reported to be certified as an emergency engine under Subpart JJJJ for engines models 2009 and later.

One natural gas fired, spark ignited 89 HP, emergency engine generator, EUEMGRICE23, stated to have been installed in 2015. It is reported to be certified as an emergency engine under Subpart JJJJ for engines models 2009 and later.

**Emission Units:** EUEMGRICE22, EUEMGRICE23

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
<b>Spark Ignition Engines 25&lt;HP&lt;130, 2009 Model Years and Later</b>					
1. NOx + HC	10 g/HP-hr	Hourly	EUEMGRICE23	SC IV.2	<b>40 CFR 60.4233(d)</b>
2. CO	387 g/HP-hr	Hourly	EUEMGRICE23	SC IV.2	<b>40 CFR 60.4233(d)</b>
<b>Spark Ignition Engines HP≥130, 2009 Model Years and Later</b>					
3. NOx	2.0 g/HP-hr (160 ppmvd @15% O2)	Hourly*	EUEMGRICE22	SC IV.2, V.1	<b>40 CFR 60.4233(e)</b>
4. CO	4.0 g/HP-hr (540 ppmvd @15% O2)	Hourly*	EUEMGRICE22	SC IV.2, V.1	<b>40 CFR 60.4233(e)</b>
5. VOC	1.0 g/HP-hr (86 ppmvd @15% O2)	Hourly*	EUEMGRICE22	SC IV.2, V.1	<b>40 CFR 60.4233(e)</b>

\* If a stack test is used to demonstrate compliance with this emission limit, the hourly emission rate during testing shall be determined by the average of the qualified test runs performed in accordance with the method requirements.

**II. MATERIAL LIMIT(S)**

1. The permittee shall burn only pipeline quality natural gas in the SI RICE. **(40 CFR 60.4230)**

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. There is no time limit on the use of emergency stationary RICE in emergency situations. **(40 CFR 60.4243(d)(1))**

2. The permittee may operate a SI RICE for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. **(40 CFR 60.4243(d)(2))**
3. A SI RICE may operate up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing as provided in SC III (2). Except as provided in 40 CFR 60.4243(d)(3)(i), the 50 hours per calendar year for nonemergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the permittee to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 60.4243(d)(3))**
4. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met: **(40 CFR 60.4243(d)(3)(i))**
  - a. The engine is dispatched by the local balancing authority or local transmission and distribution system operator;
  - b. The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region;
  - c. The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission, or local standards or guidelines;
  - d. The power is provided only to the facility itself or to support the local transmission and distribution system;
  - e. The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching.
5. If the permittee purchased a certified engine, according to procedures specified in 40 CFR Part 60, Subpart JJJJ, for the same model year, the permittee shall meet the following requirements:
  - a. Operate and maintain the certified engine and control device according to the manufacturer's emission related written instructions;
  - b. May only adjust engine settings according to and consistent with the manufacturer's emission-related written instructions;
  - c. Meet the requirements as specified in 40 CFR Part 1068, Subparts A through D, as they apply.

If the permittee does not operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine. EUEMGRICE23 would be subject to SC III.6 but no performance testing is required. EUEMGRICE 22 would be subject to SC III.6 and the performance testing required in SC V. **(40 CFR 60.4243(b)(1). 40 CFR 60.4243(a)(1) and (a)(2))**

6. If the permittee purchased a non-certified engine or is operating a certified engine in a non-certified manner, the permittee shall keep a maintenance plan, records of conducted maintenance to demonstrate compliance and shall, to the extent practicable, maintain and operate each engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 60.4243(a)(2))**
7. The permittee shall operate and maintain the engine so that it achieves the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. **(40 CFR 60.4234)**

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall equip the emergency stationary SI RICE with a non-resettable hour meter to track the number of operating hours. **(40 CFR 60.4237)**

- Each engine shall be certified to meet the applicable emission standard of 40 CFR 60.4233. The permittee shall install and configure each engine according to the manufacturer's specifications. **(40 CFR 60.4243)**

#### **V. TESTING/SAMPLING**

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

- If EUEMGRICE22 and control device (if applicable) is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, the permittee must demonstrate compliance as follows: **(40 CFR 60.4243(a)(2))**
  - For each emergency stationary SI RICE greater than 500 HP, conduct an initial performance test within 1 year of engine startup and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter, to demonstrate compliance.
- The permittee shall verify NO<sub>x</sub>, NO<sub>x</sub> + hydrocarbons (HC), CO, and VOC emission rates from FGNSPSJJJJ by testing at owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

<b>Pollutant</b>	<b>Test Method Reference</b>
NO <sub>x</sub>	40 CFR Part 60, Appendix A
CO	40 CFR Part 60, Appendix A
VOC	40 CFR Part 60, Appendix A

An alternate method, or a modification to the approved USEPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1213(3), 40 CFR 60.8, 40 CFR 60.4243, 40 CFR 60.4244, 40 CFR 60.4245, 40 CFR Part 60, Subpart JJJJ)**

#### **VI. MONITORING/RECORDKEEPING**

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

- The permittee shall keep all required records and calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1213(3))**
- The permittee of all stationary SI RICE must keep records of the following information: **(40 CFR.4245(a))**
  - All notifications submitted to comply with 40 CFR Part 60, Subpart JJJJ as well as all documentation supporting any notification;
  - Maintenance conducted on the engine;
  - If the stationary SI RICE is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards, as well as information required in 40 CFR parts 90, 1048, 1054 and 1060, as applicable;
  - If the stationary SI RICE is not a certified engine or is a certified engine operating in a non-certified manner and is subject to 40 CFR 60.4243(a)(2), documentation that the engine meets the emission standards.
- The permittee shall monitor the emergency engines non-resettable hour meter and record the total hours of operation and the hours of operation during emergency and non-emergencies, on a monthly and calendar year basis, in a manner acceptable to the AQD District Supervisor. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. **(R 336.1213(3),40 CFR 60.4245(b))**

#### **VII. REPORTING**

- 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 notification specifying whether an engine will be operated in a certified or a non-certified manner to the AQD District Supervisor, in writing, within 30 days of switching the manner of operation. **(40 CFR Part 60, Subpart JJJJ)**

See Appendix 8

### **VIII. STACK/VENT RESTRICTION(S)**

NA

### **IX. OTHER REQUIREMENT(S)**

1. The permittee shall comply with all applicable provisions of the federal New Source Performance Standards, as specified in 40 CFR Part 60, Subparts A and Subpart JJJJ for Stationary Spark Ignition Internal Combustion Engines. **(40 CFR Part 60, Subparts A and JJJJ)**
2. The permittee shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subparts A and ZZZZ for Stationary Reciprocating Internal Combustion Engines. **(40 CFR Part 63, Subparts A and ZZZZ)**

#### **Footnotes:**

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

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

## **E. NON-APPLICABLE REQUIREMENTS**

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

## APPENDICES

### Appendix 1. Acronyms and Abbreviations

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

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

### Appendix 2. Schedule of Compliance

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

### Appendix 3. Monitoring Requirements

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

### Appendix 4. Recordkeeping

The permittee shall use the following approved formats and procedures for the recordkeeping requirements referenced in EUSTR99 (i.e., air stripping tower). Alternative formats must be approved by the AQD District Supervisor.

#### Groundwater Remediation Emission Calculation and Recordkeeping

<b>Source Name</b>		<b>Contact Person</b>	
<b>Location</b>		<b>County</b>	
<b>Recordkeeping Period</b>		<b>Permit Number</b>	<b>Pollutant(s)</b>
<b>Start Date</b>	<b>End Date</b>		

Date	A Water Flow (gal/month)	B C D Concentration (ppm)			F Control Efficiency (Percent)	E VOC Emissions (lbs/month)
		Inlet	Outlet	In - Out		
EXAMPLE	10,000	210	10	200	0	16.7

EQUATIONS TO CALCULATE EMISSIONS:

$$D = B - C, \text{ all units in parts per million (ppm)}$$

$$E \frac{\text{lbs}}{\text{month}} = A \frac{\text{gal}}{\text{month}} \times 8.34 \frac{\text{lbs}}{\text{gal}} \times D \times 10^{-6} \times \frac{(100 - F)}{100}$$

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

**Appendix 5. Testing Procedures**

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

**Appendix 6. Permits to Install**

The following table lists any PTIs issued or ROP revision applications received since the effective date of the previously issued ROP No. MI-ROP-A6175-2014b. Those ROP revision applications that are being issued concurrently with this ROP renewal are identified by an asterisk (\*). Those revision applications not listed with an asterisk were processed prior to this renewal.

Source-Wide PTI No MI-PTI-A6175-2014b is being reissued as Source-Wide PTI No. MI-PTI-A6175-2022.

Permit to Install Number	ROP Revision Application Number	Description of Equipment or Change	Corresponding Emission Unit(s) or Flexible Group(s)
NA			

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

**B. Other Reporting**

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