

Michigan Department of Environmental Quality
Air Quality Division

EFFECTIVE DATE: August 20, 2014
REVISION DATES: November 9, 2015, July 11, 2016

ISSUED TO

NEXTEER AUTOMOTIVE CORPORATION

State Registration Number (SRN): A6175

LOCATED AT

3900 Holland Road, Saginaw, Saginaw County, Michigan 48601

RENEWABLE OPERATING PERMIT

Permit Number: MI-ROP-A6175-2014b

Expiration Date: August 20, 2019

Administratively Complete ROP Renewal Application Due Between February 20, 2018 and
February 20, 2019

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

SOURCE-WIDE PERMIT TO INSTALL

Permit Number: MI-PTI-A6175-2014b

This Permit to Install (PTI) is issued in accordance with and subject to Section 5505(5) of Act 451. Pursuant to Michigan Air Pollution Control Rule 214a, the terms and conditions herein, identified by the underlying applicable requirement citation of Rule 201(1)(a), constitute a federally enforceable PTI. The PTI terms and conditions do not expire and remain in effect unless the criteria of Rule 201(6) are met. Operation of all emission units identified in the PTI is subject to all applicable future or amended rules and regulations pursuant to Act 451 and the federal Clean Air Act.

Michigan Department of Environmental Quality

Chris Hare, Saginaw Bay District Supervisor

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AUTHORITY AND ENFORCEABILITY

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

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

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

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

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

A. GENERAL CONDITIONS

Permit Enforceability

- All conditions in this permit are both federally enforceable and state enforceable unless otherwise noted. **(R 336.1213(5))**
- Those conditions that are hereby incorporated in a state only enforceable Source-wide PTI pursuant to Rule 201(2)(d) are designated by footnote one. **(R 336.1213(5)(a), R336.1214a(5))**
- Those conditions that are hereby incorporated in 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). **(R 336.1370)**
10. Any air cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the Michigan Air Pollution Control rules and existing law. **(R 336.1910)**

Emission Limits

11. Except as provided in Subrules 2, 3, and 4 of Rule 301, states in part; “a person shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of a density greater than the most stringent of Rule 301(1)(a) or (b) unless otherwise specified in this ROP.” The grading of visible emissions shall be determined in accordance with Rule 303. **(R 336.1301(1) in pertinent part):**
 - a. A 6-minute average of 20 percent opacity, except for one 6-minute average per hour of not more than 27 percent opacity.
 - b. A limit specified by an applicable federal new source performance standard.
12. The permittee shall not cause or permit the emission of an air contaminant or water vapor in quantities that cause, alone or in reaction with other air contaminants, either of the following:
 - a. Injurious effects to human health or safety, animal life, plant life of significant economic value, or property.¹ **(R 336.1901(a))**
 - b. Unreasonable interference with the comfortable enjoyment of life and property.¹ **(R 336.1901(b))**

Testing/Sampling

13. The department may require the owner or operator of any source of an air contaminant to conduct acceptable performance tests, at the owner’s or operator’s expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001(1). **(R 336.2001)**
14. Any required performance testing shall be conducted in accordance with Rule 1001(2), Rule 1001(3) and Rule 1003. **(R 336.2001(2), R 336.2001(3), R 336.2003(1))**
15. Any required test results shall be submitted to the Air Quality Division (AQD) in the format prescribed by the applicable reference test method within 60 days following the last date of the test. **(R 336.2001(4))**

Monitoring/Recordkeeping

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

Certification & Reporting

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

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

Permit Shield

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

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

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

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

Revisions

30. For changes to any process or process equipment covered by this ROP that do not require a revision of the ROP pursuant to Rule 216, the permittee must comply with Rule 215. **(R 336.1215, R 336.1216)**
31. A change in ownership or operational control of a stationary source covered by this ROP shall be made pursuant to Rule 216(1). **(R 336.1219(2))**
32. For revisions to this ROP, an administratively complete application shall be considered timely if it is received by the department in accordance with the time frames specified in Rule 216. **(R 336.1210(9))**
33. Pursuant to Rule 216(1)(b)(iii), Rule 216(2)(d) and Rule 216(4)(d), after a change has been made, and until the department takes final action, the permittee shall comply with both the applicable requirements governing the change and the ROP terms and conditions proposed in the application for the modification. During this time period, the permittee may choose to not comply with the existing ROP terms and conditions that the application seeks to change. However, if the permittee fails to comply with the ROP terms and conditions proposed in the application during this time period, the terms and conditions in the ROP are enforceable. **(R 336.1216(1)(c)(iii), R 336.1216(2)(d), R 336.1216(4)(d))**

Reopenings

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

Renewals

35. For renewal of this ROP, an administratively complete application shall be considered timely if it is received by the department not more than 18 months, but not less than 6 months, before the expiration date of the ROP. **(R 336.1210(7))**

Stratospheric Ozone Protection

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

Risk Management Plan

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

Emission Trading

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

Permit To Install (PTI)

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

Footnotes:

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

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

B. SOURCE-WIDE CONDITIONS

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

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

C. EMISSION UNIT CONDITIONS

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

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

EMISSION UNIT SUMMARY TABLE

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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/Modification Date	Flexible Group ID
EUBR02	Boiler No. 2 – Gas Fired Boiler 77MMBtu/hr heat input, natural gas –fired boiler, supplying 60,000 pounds per hour process 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 process 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 process 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 process steam to the facility. (PTI No. 175-14)	01/01/1972 01/01/1974 08/27/2015	NA
EUBL04	BLASTER (SHOT OR SAND). 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.	07/07/1977	FGBL91
EUBL05	BLASTER (SHOT OR SAND). A 3 wheel bar mill is used to remove scale and rust from bar stock before it is machined. Clean bar stock is used to manufacture front wheel drive axles.	07/01/1977	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 such as the front wheel drive axle or steering shafts.	08/01/1971	FGBL91
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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/Modification Date	Flexible Group ID
EUCF01	NATURAL GAS-FIRED CARBURIZING FURNACES WITH INTEGRAL OIL QUENCHES – 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 QUENCHES – 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
EUCF03	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	01/01/1981	FGCF91
EUCF04	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.	01/01/1981	FGCF91
EUCF05	Oil quench heat treating furnace.	01/01/1986	FGCF05/15
EUCF09	NATURAL GAS-FIRED CARBURIZING FURNACES WITH INTEGRAL OIL QUENCHES – 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 QUENCHES – 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 QUENCHES – 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 QUENCHES – 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	Oil quench heat treat furnace.	06/01/1997	FGCF05/15
EUCF17	Oil quench heat treat furnace.	03/05/2001	FGCF17/18/19
EUCF18	Oil quench heat treat furnace.	03/05/2001	FGCF17/18/19
EUCF19	Oil quench heat treat furnace.	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
EUCG01	ROTOR SLOT 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.	06/01/1974	NA
EUCG02	EIGHT (8) TRUCK HOUSING 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	THIRTY-SIX (36) GRINDING STATIONS FOR FOUR WHEEL DRIVE CARS – 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	TWENTY-NINE (29) FOUR WHEEL DRIVE CARS INNER RACE 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
EUCG15	TEN (10) NEWALL GRINDERS – used to remove excess metal from parts. The grinding action against the parts generates particulate matter in the form of oil and mist.	05/01/1998	NA
EUCG16	SIXTEEN (16) CAGE GRINDER STATIONS – used to remove excess metal from parts. A water-soluble oil is used to cool the tooling as well as to flush away ground material from the part.	05/01/1998	NA
EUFN06	NATURAL GAS-FIRED CARBURIZING FURNACES WITH INTEGRAL OIL QUENCHES – 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 FURNACES WITH INTEGRAL OIL QUENCHES – 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 FURNACES WITH INTEGRAL OIL QUENCHES – 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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUFN09	NATURAL GAS-FIRED CARBURIZING FURNACES WITH INTEGRAL OIL QUENCHES – 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
EUFN10	NATURAL GAS-FIRED CARBURIZING FURNACES WITH INTEGRAL OIL QUENCHES – 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 – 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 & pinion steering gear.	07/15/1989	NA
EUMI10	PLASTIC GRANULATION SYSTEM – used to process glass-filled nylon plastic and other plastics for regrinding.	08/25/1977	NA
EUMI14	PICKLE HOUSE ACID BATHS – Coils of steel are pickled in one of two 7,000 gallon capacity tanks that contain a 10% solution of sulfuric acid maintained at a temperature of 170°F.	04/15/1986	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	01/01/1998	FGRULE290
EUDV301aa	Plant 3 Rule 290 Washer	03/01/1989	FGRULE290
EUDV301ac	Plant 3 Rule 290 Washer	07/01/1998	FGRULE290
EUDV301ad	Plant 3 Rule 290 Washer	04/01/1999	FGRULE290
EUDV301ae	Plant 3 Rule 290 Washer	04/01/1999	FGRULE290
EUDV301B	Plant 3 Rule 290 Washer	04/01/1987	FGRULE290
EUDV301C	Plant 3 Rule 290 Washer	01/01/1991	FGRULE290
EUDV301H	Plant 3 Rule 290 Washer	10/01/1973	FGRULE290
EUDV301i	Plant 3 Rule 290 Washer	08/01/1997	FGRULE290
EUDV301J	Plant 3 Rule 290 Washer	02/01/1997	FGRULE290
EUDV301K	Plant 3 Rule 290 Washer	08/01/1986	FGRULE290
EUDV301L	Plant 3 Rule 290 Washer	08/01/1986	FGRULE290
EUDV301O	Plant 3 Rule 290 Washer	08/01/1969	FGRULE290
EUDV301R	Plant 3 Rule 290 Washer	04/01/1972	FGRULE290

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/Modification Date	Flexible Group ID
EUDV301S	Plant 3 Rule 290 Washer	04/01/1996	FGRULE290
EUDV301za	Plant 3 Rule 290 Washer	02/17/2005	FGRULE290
EUDV301zb	Plant 3 Rule 290 Washer	02/17/2005	FGRULE290
EUDV301zc	Plant 3 Rule 290 Washer	02/17/2005	FGRULE290
EUDV325a	Servo Assembly System	01/01/1980	FGRULE290
EUDV410A	Plant 4 Rule 290 Washer	12/01/1996	FGRULE290
EUDV410B	Plant 4 Rule 290 Washer	11/01/1987	FGRULE290
EUDV410C	Plant 4 Rule 290 Washer	03/31/1970	FGRULE290
EUDV410D	Plant 4 Rule 290 Washer	10/01/1994	FGRULE290
EUDV410E	Plant 4 Rule 290 Washer	03/01/1999	FGRULE290
EUDV410Z	Plant 4 Rule 290 Washer	08/01/2000	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
EUDV501aa	Plant 5 Rule 290 Washer	01/01/1999	FGRULE290
EUDV501ab	Plant 5 Rule 290 Washer	01/01/1999	FGRULE290
EUDV501ac	Plant 5 Rule 290 Washer	01/01/1999	FGRULE290
EUDV501ad	Plant 5 Rule 290 Washer	01/01/1999	FGRULE290
EUDV501ae	Plant 5 Rule 290 Washer	01/01/1999	FGRULE290
EUDV501af	Plant 5 Rule 290 Washer	01/01/1999	FGRULE290
EUDV501ag	Plant 5 Rule 290 Washer	01/01/1999	FGRULE290
EUDV501ah	Plant 5 Rule 290 Washer	01/01/1999	FGRULE290
EUDV510A	Plant 5 Rule 290 Washer	01/01/1990	FGRULE290
EUDV510AE	Plant 5 Rule 290 Washer	07/01/1994	FGRULE290
EUDV510B	Plant 5 Rule 290 Washer	11/01/1996	FGRULE290
EUDV510C	Plant 5 Rule 290 Washer	01/01/1990	FGRULE290
EUDV510D	Plant 5 Rule 290 Washer	01/01/1990	FGRULE290
EUDV541a-g	Plant 5 Rule 290 Grinders	01/01/1999	FGRULE290
EUDV660aa	Plant 6 Rule 290 Washer	01/01/1999	FGRULE290
EUDV660ab	Plant 6 Rule 290 Washer	01/01/1999	FGRULE290
EUDV660ac	Plant 6 Rule 290 Washer	01/01/1999	FGRULE290
EUDV660ad	Plant 6 Rule 290 Washer	01/01/1999	FGRULE290
EUDV660ae	Plant 6 Rule 290 Washer	01/01/1999	FGRULE290
EUDV660af	Plant 6 Rule 290 Washer	01/01/1999	FGRULE290
EUDV660ag	Plant 6 Rule 290 Washer	01/01/1999	FGRULE290
EUDV710AB	Plant 7 Rule 290 Washer	07/01/1998	FGRULE290
EUDV710AC	Plant 7 Rule 290 Washer	01/01/1998	FGRULE290
EUDV710AM	Plant 7 Rule 290 Washer	11/01/1998	FGRULE290-
EUDV710AO	Plant 7 Rule 290 Washer	08/01/1998	FGRULE290
EUDV710AP	Plant 7 Rule 290 Washer	12/01/2000	FGRULE290
EUDV710AQ	Plant 7 Rule 290 Washer	07/01/1999	FGRULE290
EUDV710AS	Plant 7 Rule 290 Washer	07/01/1999	FGRULE290
EUDV710F	Plant 7 Rule 290 Washer	01/01/1997	FGRULE290
EUDV710G	Plant 7 Rule 290 Washer	06/01/1981	FGRULE290
EUDV710J	Plant 7 Rule 290 Washer	10/01/1996	FGRULE290
EUDV710K	Plant 7 Rule 290 Washer	08/01/1999	FGRULE290
EUDV710L	Plant 7 Rule 290 Washer	08/01/1999	FGRULE290
EUDV710ZA	Plant 7 Rule 290 Washer	08/01/1998	FGRULE290

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/Modification Date	Flexible Group ID
EUDV710ZB	Plant 7 Rule 290 Washer	05/01/1998	FGRULE290
EUDV710ZC	Plant 7 Rule 290 Washer	07/01/1999	FGRULE290
EUDV710ZD	Plant 7 Rule 290 Washer	08/01/1999	FGRULE290
EUDV710ZE	Plant 7 Rule 290 Washer	08/01/1999	FGRULE290
EUDV710ZF	Plant 7 Rule 290 Washer	08/01/1999	FGRULE290
EUDV710zg	Plant 7 Rule 290 Washer	02/17/2005	FGRULE290
EUDV710zh	Plant 7 Rule 290 Washer	02/17/2005	FGRULE290
EUDV710zi	Plant 7 Rule 290 Washer	02/17/2005	FGRULE290
EUDV710zj	Plant 7 Rule 290 Washer	02/17/2005	FGRULE290
EUDV301zd	Plant 3 Rule 290 Washer	08/04/2008	FGRULE290
EUDV501ai	Plant 5 Rule 290 Washer	09/09/2008	FGRULE290
EUDV501aj	Plant 5 Rule 290 Washer	09/09/2008	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
EUDV101a	Plant 1 Rule 290 Washer	1/1/2005	FGRULE290
EUDV101b	Plant 1 Rule 290 Washer	1/1/2005	FGRULE290
EUDV101c	Plant 1 Rule 290 Washer	1/1/2005	FGRULE290
EUDV101d	Plant 1 Rule 290 Washer	1/1/2005	FGRULE290
EUDV101e	Plant 1 Rule 290 Washer	1/1/2005	FGRULE290
EUDV101f	Plant 1 Rule 290 Washer	1/1/2005	FGRULE290
EUDV101g	Plant 1 Rule 290 Washer	1/1/2005	FGRULE290
EUDV101h	Plant 1 Rule 290 Washer	1/1/2005	FGRULE290
EUDV301aq	Plant 3 Rule 290 Washer	9/30/2011	FGRULE290
EUDV301ze	Plant 3 Rule 290 Washer	10/1/2012	FGRULE290
EUDV301zf	Plant 3 Rule 290 Washer	10/1/2012	FGRULE290
EUDV301zg	Plant 3 Rule 290 Washer	10/1/2012	FGRULE290
EUDV301zh	Plant 3 Rule 290 Washer	11/28/2012	FGRULE290
EUDV301zi	Plant 3 Rule 290 Washer	11/29/2012	FGRULE290
EUDV301zj	Plant 3 Rule 290 Washer	12/5/2012	FGRULE290
EUDV301zk	Plant 3 Rule 290 Washer	12/5/2012	FGRULE290
EUDV301zl	Plant 3 Rule 290 Washer	12/7/2012	FGRULE290
EUDV301zm	Plant 3 Rule 290 Washer	3/3/2013	FGRULE290
EUDV301zn	Plant 3 Rule 290 Washer	4/30/2013	FGRULE290
EUDV301zo	Plant 3 Rule 290 Washer	6/10/2013	FGRULE290
EUDV301ag	Plant 3 Rule 290 Washer	1/1/1999	FGRULE290
EUDV301ai	Plant 3 Rule 290 Washer	1/1/1989	FGRULE290
EUDV301ak	Plant 3 Rule 290 Washer	1/1/1989	FGRULE290
EUDV301al	Plant 3 Rule 290 Washer	1/1/1989	FGRULE290
EUDV301am	Plant 3 Rule 290 Washer	1/1/1989	FGRULE290
EUDV301ap	Plant 3 Rule 290 Washer	1/1/1989	FGRULE290
EUDV301az	Plant 3 Rule 290 Washer	1/4/2011	FGRULE290
EUDV301ar	Plant 3 Rule 290 Washer	11/28/1993	FGRULE290
EUDV301as	Plant 3 Rule 290 Washer	4/28/2000	FGRULE290

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUDV301av	Plant 3 Rule 290 Washer	10/29/2008	FGRULE290
EUDV301ax	Plant 3 Rule 290 Washer	11/30/2008	FGRULE290
EUDV301ay	Plant 3 Rule 290 Washer	11/30/2008	FGRULE290
EUDV401b	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401c	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401d	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401e	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401f	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401g	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401h	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401i	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401j	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401k	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401l	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401m	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401aa	Plant 4 Rule 290 Washer	1/1/1999	FGRULE290
EUDV401n	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401o	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401p	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV401q	Plant 4 Rule 290 Washer	1/1/1999	FGRULE290
EUDV410ab	Plant 4 Rule 290 Washer	11/1/2011	FGRULE290
EUDV401r	Plant 4 Rule 290 Washer	1/1/1989	FGRULE290
EUDV501ak	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501cd	Plant 5 Rule 290 Washer	3/13/2013	FGRULE290
EUDV501an	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501ao	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501ap	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501aq	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501ar	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501as	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501at	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501au	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501av	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501ce	Plant 5 Rule 290 Washer	3/13/2013	FGRULE290
EUDV501ax	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501az	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501ba	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501ae	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bb	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bc	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bd	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501be	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bf	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501by	Plant 5 Rule 290 Washer	2/28/1995	FGRULE290
EUDV501bh	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bi	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bj	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bk	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bl	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290

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EUDV501bm	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bo	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bp	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bq	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501br	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bs	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bz	Plant 5 Rule 290 Washer	2/28/1996	FGRULE290
EUDV501ca	Plant 5 Rule 290 Washer	6/28/2000	FGRULE290
EUDV501bu	Plant 5 Rule 290 Washer	1/1/1999	FGRULE290
EUDV501bv	Plant 5 Rule 290 Washer	3/31/2006	FGRULE290
EUDV501bw	Plant 5 Rule 290 Washer	1/30/2009	FGRULE290
EUDV501bx	Plant 5 Rule 290 Washer	5/31/2006	FGRULE290
EUDV501cb	Plant 5 Rule 290 Washer	3/28/2011	FGRULE290
EUDV501cc	Plant 5 Rule 290 Washer	1/20/2011	FGRULE290
EUDV501bg	Plant 5 Rule 290 Washer	1/20/2011	FGRULE290
EUDV660ah	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660ai	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660aj	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660al	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660am	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660an	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660ao	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660ap	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660bb	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660bc	Plant 6 Rule 290 Washer	2/25/2013	FGRULE290
EUDV660ar	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660as	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660at	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660au	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660av	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660aw	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660ax	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660ay	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660az	Plant 6 Rule 290 Washer	1/1/1999	FGRULE290
EUDV660ba	Plant 6 Rule 290 Washer	11/1/2012	FGRULE290
EUDV710ak	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710al	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710an	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710a	Plant 7 Rule 290 Washer	7/28/2001	FGRULE290
EUDV710b	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710c	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710d	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710e	Plant 7 Rule 290 Washer	8/1/1963	FGRULE290
EUDV710ba	Plant 7 Rule 290 Washer	3/1/2011	FGRULE290
EUDV710h	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710i	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710ap	Plant 7 Rule 290 Washer	12/1/2000	FGRULE290
EUDV710k	Plant 7 Rule 290 Washer	8/1/1999	FGRULE290
EUDV710m	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290

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EUDV710n	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710o	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710p	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710ar	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710q	Plant 7 Rule 290 Washer	6/28/1999	FGRULE290
EUDV710r	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710s	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710bb	Plant 7 Rule 290 Washer	5/28/1998	FGRULE290
EUDV710t	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710u	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710v	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710at	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710au	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710w	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710bc	Plant 7 Rule 290 Washer	5/28/1998	FGRULE290
EUDV710av	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710zm	Plant 7 Rule 290 Washer	12/3/2012	FGRULE290
EUDV710aw	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710ax	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710z	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710aa	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710ad	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710ae	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710af	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710ag	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710ah	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710ai	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDV710aj	Plant 7 Rule 290 Washer	1/1/1999	FGRULE290
EUDVCF20	#7 Carburizing furnace w/oil quench at Plant 5	10/1/1997	FGRULE290
EUDVCF21	#1 Austemper furnace w/ oil quench at Plant 4	11/1/1976	FGRULE290
EUDV720fg-fn	Plant 7 Rule 290 grinders	11/1/1999	FGRULE290
EUDV720fo-ft	Plant 7 Rule 290 grinders	11/1/1999	FGRULE290
EUEMCRICE01	Plant 3 - diesel emergency generator	1964	FGRICEMACTCI<500HP
EUEMCRICE02	Plant 3 - diesel emergency generator	1960	FGRICEMACTCI<500HP
EUEMCRICE03	Plant 3 - diesel emergency generator	1968	FGRICEMACTCI<500HP
EUEMCRICE04	Powerhouse - diesel emergency generator	1965	FGRICEMACTCI<500HP
EUEMCRICE05	Powerhouse - diesel emergency generator	1966	FGRICEMACTCI<500HP
EUEMCRICE06	North pump house - diesel emergency fire pump	10/1/2004	FGRICEMACTCI<500HP
EUEMCRICE07	Plant 4 - diesel emergency generator	1960	FGRICEMACTCI<500HP
EUEMCRICE08	Plant 4 - diesel emergency generator	1960	FGRICEMACTCI<500HP
EUEMCRICE09	Plant 4 - diesel emergency generator	1967	FGRICEMACTCI<500HP
EUEMCRICE10	Plant 5 - diesel emergency generator	1964	FGRICEMACTCI<500HP
EUEMCRICE11	Plant 5 – cooling tower diesel emergency pump	1975	FGRICEMACTCI<500HP
EUEMCRICE12	Plant 6 - diesel emergency generator	1966	FGRICEMACTCI<500HP
EUEMCRICE13	South pump house - diesel emergency fire pump	1978	FGRICEMACTCI<500HP
EUEMCRICE14	Radio tower - propane emergency generator	10/1/1985	FGRICEMACTSI<500HP
EUEMCRICE15	Truck gate - natural gas emergency generator	10/1/2005	FGRICEMACTSI<500HP

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUEMGGEN16	Powerhouse - diesel emergency generator	1970	FGRICEMACTCI>500HP
EUEMGGEN17	Plant 4 - diesel emergency generator	1973	FGRICEMACTCI>500HP
EUEMGGEN18	Plant 5 - diesel emergency generator	1987	FGRICEMACTCI>500HP
EUEMGGEN19	Plant 7 - diesel emergency generator	1979	FGRICEMACTCI>500HP
EUEMGGEN20	Plant 7 - diesel emergency generator	1970	FGRICEMACTCI>500HP
EUEMGGEN21	Waste water plant – diesel emergency generator	1994	FGRICEMACTCI>500HP
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 MM BTU/ hour heat input natural gas fired boiler supplying 60,000 pounds per hour process steam to the facility.

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 ²	12-month rolling time period as determined at the end of each calendar month	EUBR02	II.1, V.1, IV.1, VI.1&2	R336.1205 (1)(a) and (b)
2. NOx	210 lb NOx ²	per MM SCF of Natural gas	EUBR02	V.1	R336.1205 (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 ²	Per 12-month rolling time period as determined at the end of each calendar month	EUBR02	IV.1, VI.1	R336.1205 (1)(a) and (b)

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Permittee shall only burn pipeline quality natural gas in EUBR02.² (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.² (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))

1. Within 3 years of the most recent stack test, and thereafter every three years (34 – 38 months), permittee shall verify the NOx emission rate from EUBR02 by testing at permittee's expense in accordance with Department requirements. (R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)

See Appendix 5

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.² **(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.² **(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))**
4. The permittee shall submit a complete test protocol to the Technical Programs Unit Supervisor and one to the appropriate District Supervisor for approval at least 30 days prior to the anticipated test date. The protocol shall describe the test method(s) and the maximum routine operating conditions, including targets for key operational parameters associated with air pollution control equipment to be monitored and recorded during testing. **(R 336.2001(3))**
5. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor no less than 7 days prior to the anticipated test date. **(R 336.2001(4))**
6. The permittee shall submit two complete test reports of the test results to the AQD; one to the Technical Programs Unit Supervisor and one to the District Supervisor, within 60 days following the last date of the test. **(R 336.2001(5))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
SVP5-299	48 ¹	92 ¹	R336.1225

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUBR03
EMISSION UNIT CONDITIONS

DESCRIPTION

Boiler No. 3 – 150 MMBTU/hr heat input, natural gas-fired boiler supplying 125,000 pounds per hour process steam 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	Testing / Monitoring Method	Underlying Applicable Requirements
1. NOx	0.12 lb/MMBtu ²	Test Protocol*	EUBR03	SC V.1	R 336.1205(3)
2. NOx	18.0 lb/hr ²	Test Protocol*	EUBR03	SC V.1	R 336.1205(3)
3. CO	0.10 lb/MMBtu ²	Test Protocol*	EUBR03	SC V.1	R 336.1205(3)
4. CO	15.0 lb/hr ²	Test Protocol*	EUBR03	SC V.1	R 336.1205(3)

*Test Protocol will specify the averaging period

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall combust only natural gas in EUBR03.² (R 336.1205(3))
2. The permittee shall not operate EUBR03 unless the low NOx burner is installed and is operating properly.² (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 3 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.² (R 336.1205, R 336.2001, R 336.2003, R 336.2004, Consent Order AQD No. 60-2014)

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.² **(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-BR06.² **(R 336.1205(3))**

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit a complete test protocol to the Technical Programs Unit Supervisor and one to the appropriate District Supervisor for approval at least 30 days prior to the anticipated test date. The protocol shall describe the test method(s) and the maximum routine operating conditions, including targets for key operational parameters associated with air pollution control equipment to be monitored and recorded during testing. **(R 336.2001(3))**
5. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor no less than 7 days prior to the anticipated test date. **(R 336.2001(4))**
6. The permittee shall submit two complete test reports of the test results to the AQD; one to the Technical Programs Unit Supervisor and one to the District Supervisor, within 60 days following the last date of the test. **(R 336.2001(5))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP5-298	48 ²	92 ²	R 336.1225

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUBR05
EMISSION UNIT CONDITIONS

DESCRIPTION

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

FLEXIBLE GROUP: NA

POLLUTION CONTROL EQUIPMENT

Low NOx burner

I. EMISSION LIMIT(S)

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

*Test Protocol will specify the averaging period

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall combust only natural gas in EUBR05.² **(R 336.1205(3))**
2. The permittee shall not operate EUBR05 unless the low NOx burner is installed and is operating properly.² **(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 3 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.² **(R 336.1205, 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 63.7575.² **(40 CFR 63.7575)**
2. The permittee shall maintain records documenting when EUBR05 has been tuned.² **(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 EU-BR06.² **(R 336.1205(3))**

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit a complete test protocol to the Technical Programs Unit Supervisor and one to the appropriate District Supervisor for approval at least 30 days prior to the anticipated test date. The protocol shall describe the test method(s) and the maximum routine operating conditions, including targets for key operational parameters associated with air pollution control equipment to be monitored and recorded during testing. **(R 336.2001(3))**
5. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor no less than 7 days prior to the anticipated test date. **(R 336.2001(4))**
6. The permittee shall submit two complete test reports of the test results to the AQD; one to the Technical Programs Unit Supervisor and one to the District Supervisor, within 60 days following the last date of the test. **(R 336.2001(5))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP5-283 ²	48 ¹	93 ¹	R 336.1225

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUBR06
EMISSION UNIT CONDITIONS

DESCRIPTION

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

FLEXIBLE GROUP: NA

POLLUTION CONTROL EQUIPMENT

Low NOx burner

I. EMISSION LIMIT(S)

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

*Test Protocol will specify the averaging period

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall combust only natural gas in EUBR06.² (**R 336.1205(3)**)
2. The permittee shall not operate EUBR06 unless the low NOx burner is installed and is operating properly.² (**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 3 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.² (R 336.1205, 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.² **(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 EU-BR06.² **(R 336.1205(3))**

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit a complete test protocol to the Technical Programs Unit Supervisor and one to the appropriate District Supervisor for approval at least 30 days prior to the anticipated test date. The protocol shall describe the test method(s) and the maximum routine operating conditions, including targets for key operational parameters associated with air pollution control equipment to be monitored and recorded during testing. **(R 336.2001(3))**
5. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor no less than 7 days prior to the anticipated test date. **(R 336.2001(4))**
6. The permittee shall submit two complete test reports of the test results to the AQD; one to the Technical Programs Unit Supervisor and one to the District Supervisor, within 60 days following the last date of the test. **(R 336.2001(5))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP5-282 ²	48 ¹	93 ¹	R 336.1225

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUBL05
EMISSION UNIT CONDITIONS

DESCRIPTION

BLASTER (SHOT OR SAND) – A 3 wheel bar mill is used to remove scale and rust from bar stock before it is machined. Clean bar stock is used to manufacture front wheel drive axles.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

DVVENTURI 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 ²	6-minutes	EUBL05	VI.1	R336.1301(1)(c)
2. Particulate Matter	0.03 pounds ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUBL05	General Condition 13	R336.1331(1)(c)
3. Particulate Matter	2.7 pounds per hour ²	Test Protocol	EUBL05	General Condition 13	R336.1331(1)(c)
4. Particulate Matter	11.8 tons per year ²	based upon a 12-month rolling time period as determined at the end of each calendar month	EUBL05	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Permittee shall maintain a static pressure range between 8 and 12 inches across the collector when it is operating.² (R 336.1910)

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Permittee shall equip the wet venturi scrubber with a static pressure gauge.² (R 336.1910)
2. Permittee shall equip and maintain the wet scrubber collector with an alarm that activates when the water pump is not operating or delivering scrubbing media at the proper pressure.² (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))**

See Appendix 5

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 DVVENTURI SCRUBBER once every two week calendar period. If the recorded pressure drop exceeds the acceptable operating range stated in condition no. III.1 of this table, 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP4-729 ²	32	42	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUBL12
EMISSION UNIT CONDITIONS

DESCRIPTION

Blaster (Shot or Sand) – An abrasive steel shot is used to deburr the yoke of the steering intermediate shaft.

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 ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUBL12	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

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))**

See Appendix 5

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 DVC FABRIC FILTER 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 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP7-125 ²	12	37	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

EUCG01
EMISSION UNIT CONDITIONS

DESCRIPTION

Rotor Slot 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.

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	0.10 pounds ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUCG01	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Permittee shall equip and maintain DVSCRUBBER 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))

See Appendix 5

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 DVSCRUBBER 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 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP3-203 ²	36	30	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUCG02
EMISSION UNIT CONDITIONS

DESCRIPTION

Eight (8) Truck Housing 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.

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 ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUCG02	General Condition 13	R336.1331(1)(c)
2. Particulate Matter	6.1 pounds per hour ²	Test Protocol	EUCG02	General Condition 13	R336.1331(1)(c)
3. Particulate Matter	26.7 tons per year ²	based upon a 12-month rolling time period as determined at the end of each calendar month	EUCG02	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

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.² **(R336.1910)**
2. Permittee shall equip and maintain the wet scrubber collector with a device to measure the pressure drop across it. **(R336.1213(3))**

V. TESTING/SAMPLING

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

See Appendix 5

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 DVSCRUBBER 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 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP4-130 ²	28	37	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUCG03
EMISSION UNIT CONDITIONS

DESCRIPTION

Thirty-six (36) grinding stations for four wheel drive cars – used to remove excess metal from parts. The grinding action against the parts generates particulate matter in the form of oil mist and grit.

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 ²	6-minutes	EUCG03	VI.1	R336.1301(1)(c)
2. Particulate Matter	0.01 pounds ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUCG03	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Permittee shall equip and maintain the wet scrubber collector(s) with a liquid flow indicator.² (R 336.1910)
2. Permittee shall equip and maintain DVSCRUBBER 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))

See Appendix 5

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 DVSCRUBBER 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 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP4-219 ²	48	46	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUCG07
EMISSION UNIT CONDITIONS

DESCRIPTION

Twenty-nine (29) four wheel drive cars inner race 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.

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 ²	6-minutes	EUCG07	VI.1	R336.1301(1)(c)
2. Particulate Matter	0.01 pounds ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUCG07	General Condition 13	R336.1331(1)(c)
3. Particulate Matter	1.6 pounds per hour ²	Test Protocol	EUCG07	General Condition 13	R336.1331(1)(c)
4. Particulate Matter	6.9 tons per year ²	based upon a 12-month rolling time period as determined at the end of each calendar month	EUCG07	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

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.² (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))**

See Appendix 5

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 DVSCRUBBER 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 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP4-285A ²	43	43	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUCG15
EMISSION UNIT CONDITIONS

DESCRIPTION

Ten (10) Newall Grinders – used to remove excess metal from parts. The grinding action against the parts generates particulate matter in the form of oil and mist.

FLEXIBLE GROUP: NA

POLLUTION CONTROL EQUIPMENT

DVVENTURI 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% ²	6-minutes	EUCG15	VI.1	R 336.1301(1)(c)
2. Particulate Matter	0.01 pounds ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUCG15	General Condition 13	R 336.1331(1)(c)
3. Particulate Matter	0.68 lbs/hr ²	Test Protocol	EUCG15	General Condition 13	R 336.1331(1)(c)
4. Particulate Matter	2.1 tons per year ²	based upon a 12-month rolling time period as determined at the end of each calendar month	EUCG15	General Condition 13	R 336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Permittee shall equip and maintain the wet scrubber collector with a device to indicate whether liquid is flowing into the scrubber.² (R 336.1910)
2. Permittee shall equip and maintain the DVVENTURI 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))**

See Appendix 5

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 the DVVENTURI SCRUBBER once every two week calendar period. If the recorded pressure drop exceeds the acceptable operating range for the scrubber 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP4-737 ²	28	37	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUCG16
EMISSION UNIT CONDITIONS

DESCRIPTION

Sixteen (16) cage grinder stations – used to remove excess metal from parts. A water soluble oil is used to cool the tooling as well as to flush away ground material from the part.

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 ²	6-minutes	EUCG16	VI.1	R336.1301(1)(c)
2. Particulate Matter	0.01 pounds ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUCG16	General Condition 13	R336.1331(1)(c)
3. Particulate Matter	0.68 pounds per hour ²	Test Protocol	EUCG16	General Condition 13	R336.1331(1)(c)
4. Particulate Matter	3.0 tons per year ²	based upon a 12-month rolling time period as determined at the end of each calendar month	EUCG16	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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

See Appendix 5

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 DVSCRUBBER 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 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP4-738 ²	28	38.5	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUMI07
EMISSION UNIT CONDITIONS

DESCRIPTION

Thermal Deburring Unit – 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 & pinion steering gear.

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 ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUMI07	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

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))

See Appendix 5

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:

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

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUMI10
EMISSION UNIT CONDITIONS

DESCRIPTION

Plastic Granulation System – used to process glass-filled nylon plastic and other plastics for regrinding.

FLEXIBLE GROUP: NA

POLLUTION CONTROL EQUIPMENT

DVBAGHOUSE

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Particulate Matter	0.10 pounds ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUMI10	General Condition 13	R 336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Permittee shall equip and maintain the DVBAGHOUSE 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))

See Appendix 5

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 the DVBAGHOUSE once every two week calendar period. If the recorded pressure drop exceeds the acceptable operating range for 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

EUMI14
EMISSION UNIT CONDITIONS

DESCRIPTION

Pickle House Acid Baths – Coils of steel is pickled in one of two 7000-gallon capacity tanks that contain a 10% solution of sulfuric acid maintained at a temperature of 170 °F.

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. Sulfuric Acid	1.0 milligrams ²	per cubic meter, corrected to 70 degrees F and 29.92 inches Hg	EUMI14	General Condition 13	R336.1201(3)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Permittee shall equip and maintain the wet scrubber collector(s) with a device to measure the pressure drop across it. (R 336.1213(3))
2. Permittee shall equip and maintain the wet scrubber collector(s) with a calibrated liquid flow monitoring device.² (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))

See Appendix 5

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 DVSCRUBBER 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 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP5-278 ²	48	46	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUPC07
EMISSION UNIT CONDITIONS

DESCRIPTION

Iron Phosphate Coating System – used to spray clean/remove contaminants and clean various metal parts to improve machining capabilities.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

DVFUME SCRUBBERS (6 total)

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

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))**

See Appendix 5

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 DVFUME SCRUBBERS 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 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

EUPC08
EMISSION UNIT CONDITIONS

DESCRIPTION

Iron Phosphate Coating System – used to spray clean/remove contaminants and clean various metal parts to improve machining capabilities.

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 ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis, from each exhaust point (stack), separately	EUPC08	General Condition 13	R336.1331(1)(c)
2. Particulate Matter	3.7 pounds per hour ²	Test Protocol	EUPC08	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Permittee shall equip and maintain the wet scrubbers with a device to indicate if liquid is flowing into the scrubbers.² (R 336.1910)
2. Permittee shall equip and maintain the wet scrubber collectors with a device to measure the 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))

See Appendix 5

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 the DVSCRUBBERS (i.e., systems B, C, D & E) once every two week calendar period. If the recorded pressure drop exceeds the acceptable operating range for each of the scrubbers 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP4-203 ²	30	50	R 336.1201(3)
2. SVP4-209 ²	38	50	R 336.1201(3)
3. SVP4-210 ²	38	50	R 336.1201(3)
4. SVP4-208 ²	38	50	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUPC09
EMISSION UNIT CONDITIONS

DESCRIPTION

Iron Phosphate Coating System – used to spray clean/remove contaminants and clean various metal parts to improve machining capabilities.

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 ²	6-minutes	EUPC09	VI.1	R336.1301(1)(c)
2. Particulate Matter	0.01 pounds ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUPC09	General Condition 13	R336.1331(1)(c)
3. Particulate Matter	1.35 pounds per hour ²	Test Protocol	EUPC09	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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

See Appendix 5

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 collector 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 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVP6-254 ²	44	64	R 336.1201(3)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

EUSTR99
EMISSION UNIT CONDITIONS

DESCRIPTION

Air stripping tower, pump(s), and a groundwater flow distribution system.

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 ²	12-month rolling time period as determined at the end of each calendar month	EUSTR99	VI.4	R336.1225 R336.1702(a)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

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))

See Appendix 5

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 MDEQ 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.² (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.² (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.² **(R 336.1225, R 336.1702(a))**
4. 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.² **(R 336.1205(3), R 336.1225, R 336.1702(a), R 336.1901)**

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. SVP99-001 ¹	4	63	R 336.1225

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

D. FLEXIBLE GROUP CONDITIONS

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

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

FLEXIBLE GROUP SUMMARY TABLE

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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGBL91	Shot or Sand Blasters – An abrasive grit is used to clean and remove iron scale or burrs from wire, metal bars, or various machined parts such as steering shafts.	EUBL04, EUBL11
FGFN92	Natural Gas Fired Carburizing or Allcase Furnaces with Integral Oil Quenches – used to carburize and heat treat steel front-wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	EUCF01, EUCF02, EUCF10, EUCF11, EUFN08, EUFN09
FGFN93	Natural Gas Fired Carburizing or Allcase Furnaces with Integral Oil Quenches – used to carburize and heat treat steel front-wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	EUFN06, EUFN07, EUFN10
FGCF91	Electrically Heated Carburizing Furnaces with Integral Oil Quenches – used to carburize and heat treat steel front-wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	EUCF03, EUCF04
FGCF93	Natural Gas Fired Carburizing or Allcase Furnaces with Integral Oil Quenches – used to carburize and heat treat steel front-wheel drive components to provide the proper surface finish and hardness to meet performance specifications.	EUCF09, EUCF12
FGRULE287	Any existing or future emission unit that emits air contaminants that is exempt from the requirements of R 336.1278 and R336.287(c).	EUPB14, EUPB16, EUPB17, EUPB18, EUPB19,

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
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.	EUCG17, EUDV301B, EUDV301H, EUDV301i, EUDV301J, EUDV301K, EUDV301L, EUDV301O, EUDV301R, EUDV301S, EUDV301C, EUDV410A, EUDV410B, EUDV410C, EUDV410D, EUDV410E, EUDV410Z, EUDV510B, EUDV510D, EUDV510AE, EUDV510A, EUDV510C, EUDV710F, EUDV710G, EUDV710J, EUDV710K, EUDV710L, EUDV710AP, EUDV710AC, EUDV710ZA, EUDV710ZB, EUDV710AB, EUDV710AO, EUDV710AM, EUDV710AS, EUDV710AQ, EUDV710ZC, EUDV710ZD, EUDV710ZE, EUDV710ZF, EUDV325a, EUDV301aa, EUDV301ac, EUDV301ad, EUDV301ae, EUDV501aa, EUDV501ab, EUDV501ac, EUDV501ad, EUDV501ae, EUDV501af, EUDV501ag, EUDV501ah, EUDV660aa, EUDV660ab, EUDV660ac, EUDV660ad, EUDV660ae, EUDV660af, EUDV660ag, EUDV420cc-cd, EUDV420cn-co, EUDV420ct, EUDV420cu, EUDV541a-g, , EUDV301za, EUDV301zb, EUDV301zc, EUDV710zg, EUDV710zh, EUDV710zi, EUDV710zj, EUDV301zd, EUDV501ai, EUDV501aj, EUDVCF20, EUDVCF21, EUDV101a-h, EUDV301ze-zo, EUDV301ag, EUDV301ai, EUDV301ak-am, EUDV301ap-as, EUDV301av, EUDV301ax-az, EUDV401b-r, EUDV401aa-ab, EUDV501ae, EUDV501ak, EUDV501an-av, EUDV501ax, EUDV501az, EUDV501ba-bm, EUDV501bo-bs, EUDV501bu-bz, EUDV501ca-ce, EUDV660ah-aj, EUDV660al-ap, EUDV660ar-az, EUDV660ba-bc, EUDV710a-e, EUDV710h-i, EUDV710k, EUDV710m-w, EUDV710z, EUDV710aa, EUDV710ad-al, EUDV710an, EUDV710ap, EUDV710ar, EUDV710at-ax, EUDV710ba-bc, EUDV710zm, EUDV720fg-fn, EUDV720fo-ft
FGCF05/15	Two (2) Holcroft natural gas-fired carburizing furnaces with oil quench.	EUCF05, EUCF15
FGCF17/18/19	Two (2) Holcroft natural gas-fired carburizing furnaces and one rehardener furnace. Oil quench stacks are identified for each furnace.	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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGEMGRICEMACT CI<500HP	Existing emergency CI reciprocating internal combustion engines (RICE) less than 500 Hp- subject to 40 CFR 63 Subpart ZZZZ (the RICE MACT)	EUEMGRICE01, EUEMGRICE02, EUEMGRICE03, EUEMGRICE04, EUEMGRICE05, EUEMGRICE06, EUEMGRICE07, EUEMGRICE08, EUEMGRICE09, EUEMGRICE10, EUEMGRICE11, EUEMGRICE12, EUEMGRICE13
FGEMGRICEMACT SI<500HP	Existing emergency SI reciprocating internal combustion engines (RICE) less than 500 Hp- subject to 40 CFR 63 Subpart ZZZZ (the RICE MACT)	EUEMGRICE14, EUEMGRICE15
FGEMGRICEMACT CI>500HP	Existing emergency CI reciprocating internal combustion engines (RICE) greater than 500 Hp- subject to 40 CFR 63 Subpart ZZZZ (the RICE MACT)	EUEMGRICE16, EUEMGRICE17, EUEMGRICE18, EUEMGRICE19, EUEMGRICE20, EUEMGRICE21,

FGBL91
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Shot, Sand and Wire Blasters - 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.

Emission Units: EUBL04, EUBL11

POLLUTION CONTROL EQUIPMENT

EUBL04: DVSCRUBBER (BAFFLED SETTLING CHAMBER FOLLOWED BY A WET SCRUBBER)

EUBL11: 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 ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUBL04 EUBL11	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Permittee shall equip and maintain the DVSCRUBBER for EUBL04 and the DVC FABRIC FILTER for EUBL11 with a device to measure the pressure drop across them. **(R 336.1213(3))**
2. Permittee shall equip and maintain the wet scrubber following the baffled settling chamber for EUBL04 with a device to indicate that liquid is flowing into the scrubber. **(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))**

See Appendix 5

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 the DVSCRUBBER and the DVC FABRIC FILTER once every two week calendar period. If the recorded pressure drop exceeds the acceptable operating range for the scrubber or the fabric filter system 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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

FGFN92
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

NATURAL GAS-FIRED CARBURIZING FURNACES WITH INTEGRAL OIL QUENCHES – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.

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

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 ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUCF01 EUCF02 EUCF10 EUCF11 EUFN08 EUFN09	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

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))

See Appendix 5

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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

FGFN93
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

NATURAL GAS-FIRED CARBURIZING FURNACES WITH INTEGRAL OIL QUENCHES – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.

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 ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUFN06 EUFN07 EUFN10	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

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))

See Appendix 5

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:

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

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

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.

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 ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUCF03 EUCF04	General Condition 13	R336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

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

See Appendix 5

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:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

FGCF05/15
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

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

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 ²	Test Protocol	EUCF05 / SVP4-091	General Condition 13	R336.1331
2. Particulate Matter	0.12 lbs/hr ²	Test Protocol	EUCF15 / V110206A	General Condition 13	R336.1331

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Quench Oil	1760 gallons ^{2,3}	Monthly usage records	FGCF05/15	VI.1	R336.1331

³The 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))

See Appendix 5

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.² (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 ²	18	38	40 CFR 52.21 (c) & (d)
2. SV110206A ²	18	38	40 CFR 52.21 (c) & (d)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

FGCF93
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

NATURAL GAS-FIRED CARBURIZING FURNACES WITH INTEGRAL OIL QUENCHES – used to carburize heat treat steel front wheel drive components to provide the proper surface finish and hardness to meet performance specifications.

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 ²	per 1000 pounds of exhaust gases, calculated on a dry gas basis	EUCF09 EUCF12	General Condition 13	R 336.1331(1)(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

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))

See Appendix 5

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:

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

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

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.

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 ²	Test Protocol	EUCF17 (SVP7-201)	General Condition 13	R336.1331
2. Particulate Matter	0.12 pounds per hour ²	Test Protocol	EUCF18 (SVP7-204)	General Condition 13	R336.1331
3. Particulate Matter	0.12 pounds per hour ²	Test Protocol	EUCF19 (SVP7-207)	General Condition 13	R336.1331

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 ^{2,3}	Monthly usage records	EUCF17 EUCF18 EUCF19	VI.1	R336.1331

³The 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))

See Appendix 5

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.² **(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 ²	18	38.5	40 CFR 52.21 (c) & (d)
2. SVP7-204 ²	18	39.5	40 CFR 52.21 (c) & (d)
3. SVP7-207 ²	18	39.5	40 CFR 52.21 (c) & (d)

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

**FGRULE 287(c)
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rules 278 and 287(c).

Emission Unit: EUPB14, EUPB16, EUPB17, EUPB18, EUPB19

POLLUTION CONTROL EQUIPMENT

Each emission unit is equipped with paper filters to control emissions.

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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

V. TESTING/SAMPLING

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 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))**

See Appendix 4

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

FGCOLDCLEANERS FLEXIBLE GROUP CONDITIONS

DESCRIPTION

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

EUCG17	EUDV301za	EUDV501ab	EUDV660aa	EUDV710G	EUDV501ai
EUDV301aa	EUDV301zb	EUDV501ac	EUDV660ab	EUDV710J	EUDV501aj
EUDV301ac	EUDV301zc	EUDV501ad	EUDV660ac	EUDV710K	EUDVCF20
EUDV301ad	EUDV325a	EUDV501ae	EUDV660ad	EUDV710L	EUDVCF21
EUDV301ae	EUDV410A	EUDV501af	EUDV660ae	EUDV710ZA	EUDV720fg-fn
EUDV301B	EUDV410B	EUDV501ag	EUDV660af	EUDV710ZB	EUDV720fo-ft
EUDV301C	EUDV410C	EUDV501ah	EUDV660ag	EUDV710ZC	EUDV101a
EUDV301H	EUDV410D	EUDV510A	EUDV710AB	EUDV710ZD	EUDV101b
EUDV301i	EUDV410E	EUDV510AE	EUDV710AC	EUDV710ZE	EUDV101c
EUDV301J	EUDV410Z	EUDV510B	EUDV710AM	EUDV710ZF	EUDV101d
EUDV301K	EUDV420cc-cd	EUDV510C	EUDV710AO	EUDV710zg	EUDV101e
EUDV301L	EUDV420cn-co	EUDV510D	EUDV710AP	EUDV710zh	EUDV101f
EUDV301O	EUDV420ct	EUDV541a-g	EUDV710AQ	EUDV710zi	EUDV101g
EUDV301R	EUDV420cu	EUDV301av	EUDV710AS	EUDV710zj	EUDV101h
EUDV301S	EUDV501aa	EUDV301ax	EUDV710F	EUDV301zd	EUDV301aq
EUDV301ze	EUDV301zo	EUDV301ay	EUDV401i	EUDV410ab	EUDV501at
EUDV301zf	EUDV301ag	EUDV401b	EUDV401j	EUDV401r	EUDV501au
EUDV301zg	EUDV301ai	EUDV401c	EUDV401k	EUDV501ak	EUDV501av
EUDV301zh	EUDV301ak	EUDV401d	EUDV401l	EUDV501cd	EUDV501ce
EUDV301zi	EUDV301al	EUDV401e	EUDV401m	EUDV501an	EUDV501ax
EUDV301zj	EUDV301am	EUDV401f	EUDV401aa	EUDV501ao	EUDV501az
EUDV301zk	EUDV301ap	EUDV401g	EUDV401n	EUDV501ap	EUDV501ba
EUDV301zl	EUDV301az	EUDV401h	EUDV401o	EUDV501aq	EUDV501ae
EUDV301zm	EUDV301ar	EUDV660ao	EUDV401p	EUDV501ar	EUDV501bb
EUDV301zn	EUDV301as	EUDV660ap	EUDV401q	EUDV501as	EUDV501bc
EUDV501bd	EUDV501bz	EUDV660bb	EUDV710al	EUDV710p	EUDV710aw
EUDV501be	EUDV501ca	EUDV660bc	EUDV710an	EUDV710ar	EUDV710ax
EUDV501bf	EUDV501bu	EUDV660ar	EUDV710a	EUDV710q	EUDV710z
EUDV501by	EUDV501bv	EUDV660as	EUDV710b	EUDV710r	EUDV710aa
EUDV501bh	EUDV501bw	EUDV660at	EUDV710c	EUDV710s	EUDV710ad
EUDV501bi	EUDV501bx	EUDV660au	EUDV710d	EUDV710bb	EUDV710ae
EUDV501bj	EUDV501cb	EUDV660av	EUDV710e	EUDV710t	EUDV710af
EUDV501bk	EUDV501cc	EUDV660aw	EUDV710ba	EUDV710u	EUDV710ag
EUDV501bl	EUDV501bg	EUDV660ax	EUDV710h	EUDV710v	EUDV710ah
EUDV501bm	EUDV660ah	EUDV660ay	EUDV710i	EUDV710at	EUDV710ai
EUDV501bo	EUDV660ai	EUDV660az	EUDV710ap	EUDV710au	EUDV710aj
EUDV501bp	EUDV660aj	EUDV660ba	EUDV710k	EUDV710w	
EUDV501bq	EUDV660al	EUDV710ak	EUDV710m	EUDV710bc	
EUDV501br	EUDV660am		EUDV710n	EUDV710av	
EUDV501bs	EUDV660an		EUDV710o	EUDV710zm	

POLLUTION CONTROL EQUIPMENT

The following Rule 290 emission units are equipped with air pollution control equipment. The remaining Rule 290 emission units are not equipped with control.

Rule 290 Emission Unit	Control Device
EUCG17	Wet scrubber
EUDV325a	Mist collector
EUDV420cc-cd	Wet scrubber
EUDV420cn-co	Wet scrubber
EUDV420ct	Wet scrubber
EUDV420cu	Wet scrubber
EUDV541a-g	Wet scrubber
EUDV720fg-fn	Mist collector
EUDV720fo-ft	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 DEQ, AQD Rule 290, Permit to Install Exemption Record form (EQP 3558) or an alternative format that is approved by the AQD District Supervisor. **(R 336.1213(3))**
 - a. Records identifying each air contaminant that is emitted. **(R 336.1213(3))**
 - b. Records identifying if each air contaminant is controlled or uncontrolled. **(R 336.1213(3))**
 - c. Records identifying if each air contaminant is either carcinogenic or non-carcinogenic. **(R 336.1213(3))**
 - d. Records identifying the ITSL and IRSL, if established, of each air contaminant that is being emitted under the provisions of Rules 290(a)(ii) and (iii). **(R 336.1213(3))**
 - e. Material use and calculations identifying the quality, nature, and quantity of the air contaminant emissions in sufficient detail to demonstrate that the actual emissions of the emission unit meet the emission limits outlined in this table and Rule 290. **(R 336.1213(3), R 336.1290(c))**
2. The permittee shall maintain an inventory of each emission unit that is exempt pursuant to Rule 290. This inventory shall include the following information. **(R 336.1213(3))**
 - a. The permittee shall maintain a written description of each emission unit as it is maintained and operated throughout the life of the emission unit. **(R 336.1290(b), R 336.1213(3))**
 - b. For each emission unit that emits noncarcinogenic particulate air contaminants pursuant to Rule 290(a)(iii), the permittee shall maintain a written description of the control device, including the designed control efficiency and the designed exhaust gas flow rate. **(R 336.1213(3))**
3. For each emission unit that emits noncarcinogenic particulate air contaminants pursuant to Rule 290(a)(iii), the permittee shall perform a monthly visible emission observation of each stack or vent during routine operating conditions. This observation need not be performed using Method 9. The permittee shall keep a written record of the results of each observation. **(R 336.1213(3))**

See Appendix 4

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

FGRICEMACTCI<500HP
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Group of Emergency diesel (CI) engines. The maximum design capacity of each unit is less than 500 horsepower.

Emission Units: EUEMGRICE01, EUEMGRICE02, EUEMGRICE03, EUEMGRICE04, EUEMGRICE05, EUEMGRICE06, EUEMGRICE07, EUEMGRICE08, EUEMGRICE09, EUEMGRICE10, EUEMGRICE11, EUEMGRICE12, EUEMGRICE13

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Change oil and filter every 500 hours of operation or annually, whichever comes first, or utilize the prescribed oil analysis program (at the same frequency) to extend the specified oil changing requirements. **(40 CFR 63.6602)**
2. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. **(40 CFR 63.6602)**
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. **(40 CFR 63.6602)**
4. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. **(40 CFR 63.6625(h))**
5. Emergency engines may operate up to 50 hours per calendar year in non-emergency situations and 100 hours per calendar year for maintenance & testing. However the 50 hours of non-emergency operation counts towards the annual 100 hour maintenance & testing limit. **(40 CFR 63.6640(f))**
6. Must operate and maintain any affected source and any associated air pollution control equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions. **(40 CFR 63.6605(b))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Install a non-resettable hour meter. **(40 CFR 63.6625(f))**

V. TESTING/SAMPLING

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

See Appendix 5

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 a record of the applicability determination for each Reciprocating Internal Combustion Engine (RICE) relative to the requirements of 40 CFR 63, Subparts A and ZZZZ. **(40 CFR 63, Subpart A, Section 63.10(b)(3))**
2. Document all required maintenance performed, including records required by maintenance plans. **(40 CFR 63.6655 (e)(2))**
3. Track hours of operation recorded by the non-resettable hour meter and document the number of hours spent for emergency and non-emergency operation. The conditions present which classified the operation as an emergency should also be described. **(40 CFR 63.6655(f)(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. New and reconstructed emergency and limited use stationary RICE with a site rating of less than or equal to 500 brake HP must meet the requirements of this part by meeting the requirements of 40 CFR Part 60 Subpart IIII, for compression ignition engines. No further requirements apply for such engines under this part. **(40 CFR Part 63, Subpart ZZZZ, Section 63.6590(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
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall otherwise comply with the applicable requirements of 40 CFR Part 63 (“National Emission Standards for Hazardous Air Pollutants for Source Categories”), Subparts A (“General Provisions”) and ZZZZ (“National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines”). **(40 CFR 63, Subparts A and ZZZZ)**

Footnotes:

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

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

**FGRICEMACTSI<500HP
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Group of Emergency natural gas / propane (SI) engines. The maximum design capacity of each unit is less than 70 horsepower.

Emission Units: EUEMGRICE14, EUEMGRICE15

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Change oil and filter every 500 hours of operation or annually, whichever comes first, or utilize the prescribed oil analysis program (at the same frequency) to extend the specified oil changing requirements. **(40 CFR 63.6602)**
2. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. **(40 CFR 63.6602)**
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. **(40 CFR 63.6602)**
4. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. **(40 CFR 63.6625(h))**
5. Emergency engines may operate up to 50 hours per calendar year in non-emergency situations and 100 hours per calendar year for maintenance & testing. However the 50 hours of non-emergency operation counts towards the annual 100 hour maintenance & testing limit. **(40 CFR 63.6640(f))**
6. Must operate and maintain any affected source and any associated air pollution control equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions. **(40 CFR 63.6605(b))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Install a non-resettable hour meter. **(40 CFR 63.6625(f))**

V. TESTING/SAMPLING

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

NA

See Appendix 5

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 a record of the applicability determination for each Reciprocating Internal Combustion Engine (RICE) relative to the requirements of 40 CFR 63, Subparts A and ZZZZ. **(40 CFR 63, Subpart A, Section 63.10(b)(3))**
2. Document all required maintenance performed, including records required by maintenance plans. **(40 CFR 63.6655 (e)(2))**
3. Track hours of operation recorded by the non-resettable hour meter and document the number of hours spent for emergency and non-emergency operation. The conditions present which classified the operation as an emergency should also be described. **(40 CFR 63.6655(f)(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. New and reconstructed emergency and limited use stationary RICE with a site rating of less than or equal to 500 brake HP must meet the requirements of this part by meeting the requirements of 40 CFR Part 60 Subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part. **(40 CFR Part 63, Subpart ZZZZ, Section 63.6590(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
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall otherwise comply with the applicable requirements of 40 CFR Part 63 (“National Emission Standards for Hazardous Air Pollutants for Source Categories”), Subparts A (“General Provisions”) and ZZZZ (“National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines”). **(40 CFR 63, Subparts A and ZZZZ)**

Footnotes:

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

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

**FGRICEMACTCI>500HP
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Group of Emergency diesel (CI) engines. The maximum design capacity of each unit is greater than 500 horsepower.

Emission Units: EUEMGEN16, EUEMGEN17, EUEMGEN18, EUEMGEN19, EUEMGEN20, EUEMGEN21

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The emergency stationary RICE must be operated according to the requirements in paragraphs 40CFR 63.6640(f)(1) through (4). In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If the engine is not operated according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines. **(40 CFR 63.6640(f))**
2. Emergency engines may operate up to 50 hours per calendar year in non-emergency situations and 100 hours per calendar year for maintenance & testing. However the 50 hours of non-emergency operation counts towards the annual 100 hour maintenance & testing limit. **(40 CFR 63.6640(f))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Install a non-resettable hour meter. **(R 336.1213(3)(a)(ii))**

V. TESTING/SAMPLING

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

See Appendix 5

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 a record of the applicability determination for each Reciprocating Internal Combustion Engine (RICE) relative to the requirements of 40 CFR 63, Subparts A and ZZZZ. **(40 CFR 63, Subpart A, Section 63.10(b)(3))**
2. Document all required maintenance performed, including records required by maintenance plans. **(40 CFR 63.6655 (e)(2))**
3. Track hours of operation recorded by the non-resettable hour meter and document the number of hours spent for emergency and non-emergency operation. The conditions present which classified the operation as an emergency should also be described. **(40 CFR 63.6655(f)(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. New and reconstructed emergency and limited use stationary RICE with a site rating of greater than 500 brake HP must meet the requirements of this part by meeting the requirements of 40 CFR Part 60 Subpart IIII, for compression ignition engines, or 40 CFR Part 60 Subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part. **(40 CFR Part 63, Subpart ZZZZ, Section 63.6590(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
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall otherwise comply with the applicable requirements of 40 CFR Part 63 (“National Emission Standards for Hazardous Air Pollutants for Source Categories”), Subparts A (“General Provisions”) and ZZZZ (“National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines”). **(40 CFR 63, Subparts A and ZZZZ)**

Footnotes:

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

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

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: Abbreviations and Acronyms

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

AQD	Air Quality Division	MM	Million
acfm	Actual cubic feet per minute	MSDS	Material Safety Data Sheet
BACT	Best Available Control Technology	MW	Megawatts
BTU	British Thermal Unit	NA	Not Applicable
°C	Degrees Celsius	NAAQS	National Ambient Air Quality Standards
CAA	Federal Clean Air Act	NESHAP	National Emission Standard for Hazardous Air Pollutants
CAM	Compliance Assurance Monitoring	NMOC	Non-methane Organic Compounds
CEM	Continuous Emission Monitoring	NOx	Oxides of Nitrogen
CFR	Code of Federal Regulations	NSPS	New Source Performance Standards
CO	Carbon Monoxide	NSR	New Source Review
COM	Continuous Opacity Monitoring	PM	Particulate Matter
department	Michigan Department of Environmental Quality	PM-10	Particulate Matter less than 10 microns in diameter
dscf	Dry standard cubic foot	pph	Pound per hour
dscm	Dry standard cubic meter	ppm	Parts per million
EPA	United States Environmental Protection Agency	ppmv	Parts per million by volume
EU	Emission Unit	ppmw	Parts per million by weight
°F	Degrees Fahrenheit	PS	Performance Specification
FG	Flexible Group	PSD	Prevention of Significant Deterioration
GACS	Gallon of Applied Coating Solids	psia	Pounds per square inch absolute
gr	Grains	psig	Pounds per square inch gauge
HAP	Hazardous Air Pollutant	PeTE	Permanent Total Enclosure
Hg	Mercury	PTI	Permit to Install
hr	Hour	RACT	Reasonable Available Control Technology
HP	Horsepower	ROP	Renewable Operating Permit
H ₂ S	Hydrogen Sulfide	SC	Special Condition
HVLP	High Volume Low Pressure *	scf	Standard cubic feet
ID	Identification (Number)	sec	Seconds
IRSL	Initial Risk Screening Level	SCR	Selective Catalytic Reduction
ITSL	Initial Threshold Screening Level	SO ₂	Sulfur Dioxide
LAER	Lowest Achievable Emission Rate	SRN	State Registration Number
lb	Pound	TAC	Toxic Air Contaminant
m	Meter	Temp	Temperature
MACT	Maximum Achievable Control Technology	THC	Total Hydrocarbons
MAERS	Michigan Air Emissions Reporting System	tpy	Tons per year
MAP	Malfunction Abatement Plan	µg	Microgram
MDEQ	Michigan Department of Environmental Quality	VE	Visible Emissions
mg	Milligram	VOC	Volatile Organic Compounds
mm	Millimeter	yr	Year

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

Appendix 2. Schedule of Compliance

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

Appendix 3. Monitoring Requirements

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

Appendix 4. Recordkeeping

The permittee shall use the 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

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

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 since the effective date of previously issued ROP No. MI-ROP-A6175-2009.

Permit to Install Number	Description of Equipment	Corresponding Emission Unit(s) or Flexible Group(s)
99-13A	Blr 3 150 MM Btu/hour natural gas fired boiler converted from coal.	EUBR03

The following ROP amendments or modifications were issued after the effective date of ROP No. MI-ROP-A6175-2014.

Permit to Install Number	ROP Revision Application Number/Issuance Date	Description of Change	Corresponding Emission Unit(s) or Flexible Group(s)
NA	201500116/ November 9, 2015	Bar Mill #2 is located in Plant 4 and is identified as EUBL04 which is included with EUBL11 as FGBL91. The DVC fabric filter control will be replaced with a baffled setting chamber followed by a wet scrubber. Replacement of the existing fabric filter with the baffled setting chamber followed by the wet scrubber is exempt under Rule 336.1285(d).	EUBL04 FGBL91
175-14	201500121/ November 9, 2015	Powerhouse boiler conversion to natural gas only for EUBR03, EUBR05 and EUBR06.	EUBR03 EUBR04 EUBR05 EUBR06
NA	201600009/July 11, 2016	Remove Source-wide conditions and EUBR04 from the ROP since coal is no longer used at the facility and modify "Testing/Sampling" and "Other Requirements" conditions for EUBR02, EUBR03, EUBR05, and EUBR06 to have consistent testing dates for the associated boilers.	EUBR02 EUBR03 EUBR04 EUBR05 EUBR06

Appendix 7. Emission Calculations

The permittee shall use the following calculation in conjunction with monitoring, testing or recordkeeping data to determine compliance with the applicable requirements referenced in the source-wide requirement table. Alternative calculations must be approved by the AQD District Supervisor.

Values for percent sulfur and for heat value of coal fuel, which are obtained from analytical data, can be used in the following equation to determine % sulfur on the basis of 12,000 Btu per pound of coal:

$$S = \left(\frac{S_{coal}}{1} \right) * \left(\frac{12,000 \text{ Btu}}{H_{Coal}} \right)$$

Where:

S = % sulfur on the basis of 12,000 Btu per pound of coal

H_{coal} = actual Heat Value of the Coal in Btu per pound of coal

S_{coal} = actual percent Sulfur in the coal

Appendix 8. Reporting

A. Annual, Semiannual, and Deviation Certification Reporting

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