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

EFFECTIVE DATE: May 7, 2024

ISSUED TO

General Motors LLC - Lansing Grand River Assembly Center

State Registration Number (SRN): A1641

LOCATED AT

920 Townsend Street, Lansing, Ingham County, Michigan 48933

RENEWABLE OPERATING PERMIT

Permit Number: MI-ROP-A1641-2024

Expiration Date: May 7, 2029

Administratively Complete ROP Renewal Application Due Between
November 7, 2027 and November 7, 2028

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

SOURCE-WIDE PERMIT TO INSTALL

Permit Number: MI-PTI-A1641-2024

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

Michigan Department of Environment, Great Lakes, and Energy

Robert Byrnes, Lansing District Supervisor

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AUTHORITY AND ENFORCEABILITY

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

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

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

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

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

A. GENERAL CONDITIONS

Permit Enforceability

- All conditions in this permit are both federally enforceable and state enforceable unless otherwise noted. **(R 336.1213(5))**

- Those conditions that are hereby incorporated in a state-only enforceable Source-Wide PTI pursuant to Rule 201(2)(d) are designated by footnote one. **(R 336.1213(5)(a), R 336.1214a(5))**

- Those conditions that are hereby incorporated in a federally enforceable Source-Wide PTI pursuant to Rule 201(2)(c) are designated by footnote two. **(R 336.1213(5)(b), R 336.1214a(3))**

General Provisions

1. The permittee shall comply with all conditions of this ROP. Any ROP noncompliance constitutes a violation of Act 451, and is grounds for enforcement action, for ROP revocation or revision, or for denial of the renewal of the ROP. All terms and conditions of this ROP that are designated as federally enforceable are enforceable by the Administrator of the United States Environmental Protection Agency (USEPA) and by citizens under the provisions of the federal Clean Air Act (CAA). Any terms and conditions based on applicable requirements which are designated as "state-only" are not enforceable by the USEPA or citizens pursuant to the CAA. **(R 336.1213(1)(a))**

2. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this ROP. **(R 336.1213(1)(b))**

3. This ROP may be modified, revised, or revoked for cause. The filing of a request by the permittee for a permit modification, revision, or termination, or a notification of planned changes or anticipated noncompliance does not stay any ROP term or condition. This does not supersede or affect the ability of the permittee to make changes, at the permittee's own risk, pursuant to Rule 215 and Rule 216. **(R 336.1213(1)(c))**

4. The permittee shall allow the department, or an authorized representative of the department, upon presentation of credentials and other documents as may be required by law and upon stating the authority for and purpose of the investigation, to perform any of the following activities: **(R 336.1213(1)(d))**
   a. Enter, at reasonable times, a stationary source, or other premises where emissions-related activity is conducted or where records must be kept under the conditions of the ROP.
   b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the ROP.
   c. Inspect, at reasonable times, any of the following:
      i. Any stationary source.
      ii. Any emission unit.
      iii. Any equipment, including monitoring and air pollution control equipment.
      iv. Any work practices or operations regulated or required under the ROP.
   d. As authorized by Section 5526 of Act 451, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the ROP or applicable requirements.

5. The permittee shall furnish to the department, within a reasonable time, any information the department may request, in writing, to determine whether cause exists for modifying, revising, or revoking the ROP or to determine compliance with this ROP. Upon request, the permittee shall also furnish to the department copies of any records that are required to be kept as a term or condition of this ROP. For information, which is claimed by the permittee to be confidential, consistent with the requirements of the 1976 PA 442, MCL §15.231 et seq., and known as the Freedom of Information Act, the person may also be required to furnish the records directly to the USEPA together with a claim of confidentiality. **(R 336.1213(1)(e))**

6. A challenge by any person, the Administrator of the USEPA, or the department to a particular condition or a part of this ROP shall not set aside, delay, stay, or in any way affect the applicability or enforceability of any other condition or part of this ROP. **(R 336.1213(1)(f))**

7. The permittee shall pay fees consistent with the fee schedule and requirements pursuant to Section 5522 of Act 451. **(R 336.1213(1)(g))**

8. This ROP does not convey any property rights or any exclusive privilege. **(R 336.1213(1)(h))**

Equipment & Design

9. Any collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2).[2] **(R 336.1370)**

10. Any air cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the Michigan Air Pollution Control rules and existing law. **(R 336.1910)**

Emission Limits

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

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

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

Testing/Sampling

13. The department may require the owner or operator of any source of an air contaminant to conduct acceptable performance tests, at the owner's or operator's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001(1).[2] **(R 336.2001)**

14. Any required performance testing shall be conducted in accordance with Rule 1001(2), Rule 1001(3) and Rule 1003. **(R 336.2001(2), R 336.2001(3), R 336.2003(1))**

15. Any required test results shall be submitted to the Air Quality Division (AQD) in the format prescribed by the applicable reference test method within 60 days following the last date of the test. **(R 336.2001(5))**

Monitoring/Recordkeeping

16. Records of any periodic emission or parametric monitoring required in this ROP shall include the following information specified in Rule 213(3)(b)(i), where appropriate. **(R 336.1213(3)(b))**
    a. The date, location, time, and method of sampling or measurements.
    b. The dates the analyses of the samples were performed.
    c. The company or entity that performed the analyses of the samples.
    d. The analytical techniques or methods used.
    e. The results of the analyses.
    f. The related process operating conditions or parameters that existed at the time of sampling or measurement.

17. All required monitoring data, support information and all reports, including reports of all instances of deviation from permit requirements, shall be kept and furnished to the department upon request for a period of not less than 5 years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records and all original strip-chart recordings, or other original data records, for continuous monitoring instrumentation and copies of all reports required by the ROP. **(R 336.1213(1)(e), R 336.1213(3)(b)(ii))**

Certification & Reporting

18. Except for the alternate certification schedule provided in Rule 213(3)(c)(iii)(B), any document required to be submitted to the department as a term or condition of this ROP shall contain an original certification by a Responsible Official which state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. **(R 336.1213(3)(c))**

19. A Responsible Official shall certify to the appropriate AQD District Office and to the USEPA that the stationary source is and has been in compliance with all terms and conditions contained in the ROP except for deviations that have been or are being reported to the appropriate AQD District Office pursuant to Rule 213(3)(c). This certification shall include all the information specified in Rule 213(4)(c)(i) through (v) and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. The annual compliance certification (pursuant to Rule 213(4)(c)) shall be submitted to the USEPA through the USEPA's Central Data Exchange (CDX) using the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through CDX (https://cdx.epa.gov/), unless it contains confidential business information then use the following address: USEPA, Air Compliance Data - Michigan, Air and Radiation Division, 77 West Jackson Boulevard, Chicago, Illinois 60604-3507. **(R 336.1213(4)(c))**

20. The certification of compliance shall be submitted annually for the term of this ROP as detailed in the special conditions, or more frequently if specified in an applicable requirement or in this ROP. **(R 336.1213(4)(c))**

21. The permittee shall promptly report any deviations from ROP requirements and certify the reports. The prompt reporting of deviations from ROP requirements is defined in Rule 213(3)(c)(ii) as follows, unless otherwise described in this ROP. **(R 336.1213(3)(c))**
    a. For deviations that exceed the emissions allowed under the ROP, prompt reporting means reporting consistent with the requirements of Rule 912 as detailed in Condition 25. All reports submitted pursuant to this paragraph shall be promptly certified as specified in Rule 213(3)(c)(iii).
    b. For deviations which exceed the emissions allowed under the ROP and which are not reported pursuant to Rule 912 due to the duration of the deviation, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe reasons for each deviation and the actions taken to minimize or correct each deviation.
    c. For deviations that do not exceed the emissions allowed under the ROP, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe the reasons for each deviation and the actions taken to minimize or correct each deviation.

22. For reports required pursuant to Rule 213(3)(c)(ii), prompt certification of the reports is described in Rule 213(3)(c)(iii) as either of the following: **(R 336.1213(3)(c))**
    a. Submitting a certification by a Responsible Official with each report which states that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
    b. Submitting, within 30 days following the end of a calendar month during which one or more prompt reports of deviations from the emissions allowed under the ROP were submitted to the department pursuant to Rule 213(3)(c)(ii), a certification by a Responsible Official which states that; "based on information and belief formed after reasonable inquiry, the statements and information contained in each of the reports submitted during the previous month were true, accurate, and complete." The certification shall include a listing of the reports that are being certified. Any report submitted pursuant to Rule 213(3)(c)(ii) that will be certified on a monthly basis pursuant to this paragraph shall include a statement that certification of the report will be provided within 30 days following the end of the calendar month.

23. Semiannually for the term of the ROP as detailed in the special conditions, or more frequently if specified, the permittee shall submit certified reports of any required monitoring to the appropriate AQD District Office. All instances of deviations from ROP requirements during the reporting period shall be clearly identified in the reports. **(R 336.1213(3)(c)(i))**

24. On an annual basis, the permittee shall report the actual emissions, or the information necessary to determine the actual emissions, of each regulated air pollutant as defined in Rule 212(6) for each emission unit utilizing the emissions inventory forms provided by the department. **(R 336.1212(6))**

25. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the appropriate AQD District Office. The notice shall be provided not later than two business days after the start-up, shutdown, or discovery of the abnormal conditions or malfunction. Notice shall be by any reasonable means, including electronic, telephonic, or oral communication. Written reports, if required under Rule 912, must be submitted to the appropriate AQD District Supervisor within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal conditions or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5) and shall be certified by a Responsible Official in a manner consistent with the CAA.[2] **(R 336.1912)**

Permit Shield

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

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

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

d. The ability of the USEPA to obtain information from a source pursuant to Section 114 of the CAA. **(R 336.1213(6)(b)(iv))**

28. The permit shield shall not apply to provisions incorporated into this ROP through procedures for any of the following:
    a. Operational flexibility changes made pursuant to Rule 215. **(R 336.1215(5))**
    b. Administrative Amendments made pursuant to Rule 216(1)(a)(i)-(iv). **(R 336.1216(1)(b)(iii))**
    c. Administrative Amendments made pursuant to Rule 216(1)(a)(v) until the amendment has been approved by the department. **(R 336.1216(1)(c)(iii))**
    d. Minor Permit Modifications made pursuant to Rule 216(2). **(R 336.1216(2)(f))**
    e. State-Only Modifications made pursuant to Rule 216(4) until the changes have been approved by the department. **(R 336.1216(4)(e))**

29. Expiration of this ROP results in the loss of the permit shield. If a timely and administratively complete application for renewal is submitted not more than 18 months, but not less than 6 months, before the expiration date of the ROP, but the department fails to take final action before the end of the ROP term, the existing ROP does not expire until the renewal is issued or denied, and the permit shield shall extend beyond the original ROP term until the department takes final action. **(R 336.1217(1)(c), R 336.1217(1)(a))**

Revisions

30. For changes to any process or process equipment covered by this ROP that do not require a revision of the ROP pursuant to Rule 216, the permittee must comply with Rule 215. **(R 336.1215, R 336.1216)**

31. A change in ownership or operational control of a stationary source covered by this ROP shall be made pursuant to Rule 216(1). **(R 336.1219(2))**

32. For revisions to this ROP, an administratively complete application shall be considered timely if it is received by the department in accordance with the time frames specified in Rule 216. **(R 336.1210(10))**

33. Pursuant to Rule 216(1)(b)(iii), Rule 216(2)(d) and Rule 216(4)(d), after a change has been made, and until the department takes final action, the permittee shall comply with both the applicable requirements governing the change and the ROP terms and conditions proposed in the application for the modification. During this time period, the permittee may choose to not comply with the existing ROP terms and conditions that the application seeks to change. However, if the permittee fails to comply with the ROP terms and conditions proposed in the application during this time period, the terms and conditions in the ROP are enforceable. **(R 336.1216(1)(c)(iii), R 336.1216(2)(d), R 336.1216(4)(d))**

Reopenings

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

Renewals

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

Stratospheric Ozone Protection

36. If the permittee is subject to Title 40 of the Code of Federal Regulations (CFR), Part 82 and services, maintains, or repairs appliances except for motor vehicle air conditioners (MVAC), or disposes of appliances containing refrigerant, including MVAC and small appliances, or if the permittee is a refrigerant reclaimer, appliance owner or a manufacturer of appliances or recycling and recovery equipment, the permittee shall comply with all applicable standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F.

37. If the permittee is subject to 40 CFR Part 82 and performs a service on motor (fleet) vehicles when this service involves refrigerant in the MVAC, the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term “motor vehicle” as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed by the original equipment manufacturer. The term MVAC as used in Subpart B does not include the air-tight sealed refrigeration system used for refrigerated cargo or an air conditioning system on passenger buses using Hydrochlorofluorocarbon-22 refrigerant.

Risk Management Plan

38. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall register and submit to the USEPA the required data related to the risk management plan for reducing the probability of accidental releases of any regulated substances listed pursuant to Section 112(r)(3) of the CAA as amended in 40 CFR 68.130. The list of substances, threshold quantities, and accident prevention regulations promulgated under 40 CFR Part 68, do not limit in any way the general duty provisions under Section 112(r)(1).

39. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall comply with the requirements of 40 CFR Part 68, no later than the latest of the following dates as provided in 40 CFR 68.10(a):
    a. June 21, 1999,
    b. Three years after the date on which a regulated substance is first listed under 40 CFR 68.130, or
    c. The date on which a regulated substance is first present above a threshold quantity in a process.

40. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall submit any additional relevant information requested by any regulatory agency necessary to ensure compliance with the requirements of 40 CFR Part 68.

41. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall annually certify compliance with all applicable requirements of Section 112(r) as detailed in Rule 213(4)(c)). **(40 CFR Part 68)**

Emission Trading

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

Permit to Install (PTI)

43. The process or process equipment included in this permit shall not be reconstructed, relocated, or modified unless a PTI authorizing such action is issued by the department, except to the extent such action is exempt from the PTI requirements by any applicable rule.[2] **(R 336.1201(1))**

44. The department may, after notice and opportunity for a hearing, revoke PTI terms or conditions if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of the PTI or is violating the department's rules or the CAA.[2] **(R 336.1201(8), Section 5510 of Act 451)**

45. The terms and conditions of a PTI shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by the PTI. If a new owner or operator submits a written request to the department pursuant to Rule 219 and the department approves the request, this PTI will be amended to reflect the change of ownership or operational control. The request must include all of the information required by Subrules (1)(a), (b) and (c) of Rule 219. The written request shall be sent to the appropriate AQD District Supervisor, EGLE.[2] **(R 336.1219)**

46. If the installation, reconstruction, relocation, or modification of the equipment for which PTI terms and conditions have been approved has not commenced within 18 months of the original PTI issuance date, or has been interrupted for 18 months, the applicable terms and conditions from that PTI, as incorporated into the ROP, shall become void unless otherwise authorized by the department. Furthermore, the person to whom that PTI was issued, or the designated authorized agent, shall notify the department via the Supervisor, Permit Section, EGLE, AQD, P. O. Box 30260, Lansing, Michigan 48909, if it is decided not to pursue the installation, reconstruction, relocation, or modification of the equipment allowed by the terms and conditions from that PTI.[2] **(R 336.1201(4))**

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

B. SOURCE-WIDE CONDITIONS

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

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

SOURCE-WIDE CONDITIONS

DESCRIPTION

All process equipment at the stationary source including equipment covered by other permits, grandfathered equipment, and exempt equipment.

POLLUTION CONTROL EQUIPMENT

Regenerative thermal oxidizer (RTO) No. 1 and rotating carbon concentrator (RCC) and RTO No. 2.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	606 tons per year[2]	12-month rolling time period as determined at the end of each calendar month.	SOURCE-WIDE	SC V.2, SC VI.2	**R 336.1225, R 336.1702(a), R 336.1901 and 40 CFR 52.21**
2. VOC	264.3 tons per year[2]	12-month rolling time period as determined at the end of each calendar month.	SOURCE-WIDE for production rates less than 60,000 jobs per year.	SC V.2, SC VI.2	**R 336.1225, R 336.1702(a), R 336.1901 and 40 CFR 52.21**
3. VOC	5.73 pounds per job[2, a]	12-month rolling time period as determined at the end of each calendar month.	SOURCE-WIDE for production rates of 60,000 or more jobs per year.	SC V.2, SC VI.2	**R 336.1225, R 336.1702(a), R 336.1901 and 40 CFR 52.21**
4. NOx	36.5 tons per year[2]	12-month rolling time period as determined at the end of each calendar month.	SOURCE-WIDE	SC VI.2	**R 336.1205 and R 336.1901**

[a] In accordance with Rule 213(2) and Rule 213(6), compliance with this streamlined VOC emission limit shall be considered compliance with the VOC emission limit established by **R 336.1225, R 336.1702(a) and 40 CFR 52.21** and also compliance with the VOC emissions limit in **40 CFR 60.392**, an additional applicable requirement that has been subsumed within this condition.

II. MATERIAL LIMIT(S)

1. The total natural gas usage shall not exceed a maximum 769 million cubic feet per year. Compliance with the cubic feet per year limit is based on a rolling time period of 12 consecutive calendar months as determined at the end of each month.[2] **(R 336.1205, 40 CFR 52.21(c) and (d))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate the two automatic clearcoat, two automatic clearcoat bells and one automatic prime bells spray booth portions unless the rotary concentrator is installed, maintained and operated in a satisfactory manner. Satisfactory operation of the rotary concentrator includes maintaining a minimum desorption temperature above the most recent acceptable performance test value minus 15 degrees Fahrenheit and can be based upon a 3-hour average. **(R 336.1213(3), 40 CFR 64.6(c)(1)(i) and (ii))**

2. The permittee shall not operate the Electrocoat dip tank, the Electrocoat cure oven, the guidecoat curing oven, and the two topcoat curing ovens unless Thermal Oxidizer No. 1 is installed, maintained and operated in a satisfactory manner. Satisfactory operation of the thermal oxidizer includes maintaining a minimum combustion

chamber temperature of 1400 °F and a minimum retention time of 0.5 seconds. In lieu of a minimum temperature, and average temperature of 1400 °F based upon a three-hour rolling average may be used.[2,b] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.1910, 40 CFR 52.21, 40 CFR 64.6(c)(1)(i) and (ii))**

3. The permittee shall not operate the automatic guidecoat bells, the two-basecoat heated flash-off areas, the two automatic clearcoat robots sections, and the two automatic clearcoat bell sections unless Thermal Oxidizer No. 2 is installed, maintained and operated in a satisfactory manner. Satisfactory operation of the thermal oxidizer includes maintaining a minimum combustion chamber temperature of 1400 °F and a minimum retention time of 0.5 seconds. In lieu of a minimum temperature, an average temperature of 1400 °F based upon a three-hour rolling average may be used.[2,b] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.1910, 40 CFR 52.21, 40 CFR 64.6(c)(1)(i) and (ii))**

[b] In accordance with Rule 213(2) and Rule 213(6), compliance with this streamlined VOC monitoring condition shall be considered compliance with the VOC monitoring condition established by **R 336.1225 and R 336.1702(2)**; and also compliance with the VOC monitoring conditions in **40 CFR 60.393**, an additional applicable requirement that has been subsumed within this condition.

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain each spray coating operation which directly vents to the outdoor air with exhaust filters or water wash particulate controls.[2] **(R 336.1301, R 336.1331, R 336.1901, 40 CFR 52.21)**

V. TESTING/SAMPLING

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

1. The VOC content of any coating or material as applied and as received shall be determined using federal Reference Test Method 24 or an alternative method approved by the AQD District Supervisor. Alternatively, the VOC content may be determined from manufacturer's formulation data. If the Method 24 and the formulation values should differ, the Method 24 results shall be used to determine compliance. Upon request of the District Supervisor, the VOC content of any coating or material shall be verified using federal Reference Test Method 24. **(R 336.1213(3))**

2. The permittee shall verify VOC emission rates from EUELECTROCOAT, EUGUIDECOAT, and FGTOPCOAT by testing at owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

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

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

3. The permittee shall verify the VOC emission rates from EUELECTROCOAT, EUGUIDECOAT, and FGTOPCOAT, at a minimum, every five years from the date of the last test. **(R 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

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

VI. MONITORING/RECORDKEEPING

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

1. In order to maintain the flexibility provided under this permit, changes allowed under SC IX.3 or IX.4 may be made as minor permit modifications to the Renewable Operating Permit (ROP) pursuant to R 336.1216(2). Additionally, corresponding changes made to any existing testing, monitoring, record keeping or other compliance evaluation activities may also be made as minor permit modifications to the ROP pursuant to R 336.1216(2) unless they represent a significant change in monitoring (e.g., relaxation in the frequency of the existing testing, monitoring, record keeping or other compliance evaluation activity).[2] **(R 336.1225, R 336.1301, R 336.1331, R 336.1702(a), R 336.1901, 40 CFR 52.21)**

2. The permittee shall keep the following records/calculations in a format acceptable to the AQD District Supervisor.
   a. For each material used Source-Wide:[c]
      i. Material identification;
      ii. Material VOC content; and,
      iii. Material usage.
   b. Number of jobs each calendar month, where a job is defined as a completely assembled vehicle off the final assembly line.[c]
   c. Calculations showing the monthly and annual mass VOC emission rates, in tons per month and tons per 12-month rolling time period, as determined at the end of each calendar month. Calculations must show the capture and control efficiency of each control device used.[c]
   d. Calculations showing the VOC emission rate (lb/job) on a 12-month rolling basis, as determined at the end of each calendar month.[c]
   e. Records of the total natural gas used during each calendar month, in cubic feet, and the portion of that total used combined by all of the paint booth air supply houses.
   f. Calculations showing the monthly and annual mass NOx emission rates in tons per month and tons per 12-month rolling time period performed according to an acceptable method.

   As an alternative, the permittee may keep other records acceptable to the AQD District Supervisor. All records/calculations shall be kept on file for a period of at least five years and made available to the Department upon request.[2] **(R 336.1225, R 336.1702(a), 40 CFR 52.21)**

3. The permittee shall monitor or secure the valve or closure mechanism controlling each bypass line for each capture system in a non-bypass mode such that the valve or closure mechanism cannot be opened without creating a record that it was opened. The method used to monitor or secure the valve or closure mechanism must meet one of the following:
   a. Flow control position indicator.
   b. Car-seal or lock-and-key valve.
   c. Valve closure monitoring.
   d. Automatic shutdown system.

   If any bypass line is opened, a description of why the line was opened and the length of time it remained open must be included in the semiannual compliance reports required in SC VII.2. **(R 336.1213(3), 40 CFR 64.3(a)(2))**

4. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a temperature monitoring device to determine the concentrator desorption gas inlet temperature on a continuous basis, during operation of FG-Topcoat. Desorption gas inlet temperature data recording shall consist of measurements made at equally spaced intervals, not to exceed 15 minutes per interval.[b] **(R 336.1213(3), 40 CFR 64.6(c)(1)(i) and (ii))**

5. The permittee shall keep records of maintenance inspections for the rotary concentrator(s) which include the dates and results of the inspections and the dates and reasons for repairs. The following items listed below shall be inspected as follows:
   a. Observe and record an indicator of performance for the desorption fan on a monthly basis.
   b. Observe and record an indicator of wheel rotation for the concentrator on a monthly basis.
   c. Observe and record the pressure drop across the concentrator on a monthly basis.
   d. Observe the adsorbent materials for any contamination and/or erosion on an annual basis.

All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(R 336.1213(3), 40 CFR 64.6(c)(1)(i) and (ii))**

6. The permittee shall keep records of maintenance inspections for the thermal oxidizer which include the dates and results of the inspections and the dates and reasons for repairs. The following items listed below shall be inspected at least annually:
   a. Verify the condition of the heat exchanger and/or heat transfer media on an annual basis.
   b. Verify valve seal synchronization and inspection of valve seal(s) condition on an annual basis.

   All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(R 336.1213(3), 40 CFR 64.6(c)(1)(i) and (ii))**

[c] In accordance with Rule 213(2) and Rule 213(6), compliance with this streamlined VOC recordkeeping condition shall be considered compliance with the VOC monitoring condition established by **R 336.1225 and R 336.1702(a)**; and also compliance with the VOC monitoring conditions in **40 CFR 60.393**, an additional applicable requirement that has been subsumed within this condition.

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.[d] **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

4. Each semiannual report of monitoring and deviations shall include summary information on the number, duration and cause of excursions/exceedances and the corrective actions taken. If there were no excursions/exceedances in the reporting period, then this report shall include a statement that there were no excursions/exceedances[d] **(R 336.213(3)(c), 40 CFR 64.9(a)(2)(i))**

5. The permittee shall submit any performance test reports to the AQD Technical Programs Unit and District Office, in a format approved by the AQD. **(R 336.1213(3)(c), R 336.2001(5))**

[d] In accordance with Rule 213(2) and Rule 213(6), compliance with this streamlined reporting condition shall be considered compliance with the reporting condition established by **R 336.1213(3)(c)(i)**; and also compliance with the VOC reporting condition in **40 CFR 60.395**, an additional applicable requirement that has been subsumed within this condition.

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The emission and performance limits listed in SC I.1 through I.4 have been determined to be at least as stringent as, and replace, the individual emission unit-specific limits of PTI No. 134-99G which were established under EGLE Rules and federal NSR regulations. Compliance with the limits established in SC I.1 through I.4 constitutes compliance with the EGLE Rules and federal NSR regulations that formed the basis for the limits of PTI No. 134-99G.[2] **(R 336.1225, R 336.1702(a), R 336.1901, 40 CFR 52.21)**

2. EGLE has determined that compliance with the limits in SC I.1 through I.4 provides a level of control that is at least equivalent to and not less stringent than the standards in 40 CFR 60.392, et seq. Accordingly, compliance with the limitations in this permit meets all applicable requirements of 40 CFR Part 60, Subpart MM.[2] **(40 CFR Part 60, Subpart MM)**

3. This permit authorizes any activities including projects involving physical changes or changes in the method of operation to existing emission units that do not require an increase in the emissions limits or performance levels specified in SC I.1 and I.4. Such activities do not require the facility to obtain any federal or state air permits.[2] **(R 336.1201)**

4. This permit authorizes projects involving the installation of new emission units that do not require an increase in the emission limits or performance levels specified in SC I.1 through I.4 under the following conditions:
   a. As a state-only enforceable requirement, the new emission unit will not result in a meaningful change in the nature or quantity of toxic air contaminants emitted from the stationary source. The permittee must demonstrate to the department that a meaningful change in the nature or quantity of toxic air contaminants has not occurred. The permittee may devise its own method to perform this demonstration subject to approval by the department. However, if the permittee demonstrates that all toxic air contaminant emissions from a new emissions unit are within the levels specified in R 336.1226 or R 336.1227, a meaningful change in toxic air contaminants has not occurred;
   b. The new emission unit will not be a newly constructed or reconstructed major source of hazardous air pollutants as defined in and subject to 40 CFR 63.2 and 63.5(b)(3), National Emission Standard for Hazardous Air Pollutants; and,
   c. The installation of the new emission unit will not cause the violation of any applicable air requirement not otherwise referenced in SC IX.1.

   A demonstration that the new installation meets these criteria shall be kept on site for the life of the new emission unit and made available to the department upon request. The permittee must notify the department of the installation of the new emission unit. This notification must contain the information specified in R 336.1215(3)(c)(i) through (v). Construction of the new emission unit may commence upon submittal of the notice.[2] **(R 336.1201)**

5. The emission limits and performance levels specified in SC I.1 through I.4 may be reviewed and or adjusted when newly applicable federal requirements or any other requirement that is enforceable as a practical matter and that the department, under its State Implementation Plan, may impose on the facility become applicable during the term of the permit that would lower allowable emissions. Adjustments to SC I.1 through I.4 will be made through a permit revision as of the final compliance date of the new applicable requirements and will reflect the impact the new applicable requirements will have on the affected emission units. Initial compliance with the adjusted emission limits and performance levels will be demonstrated over the first 12-month period after the final compliance date of the new applicable requirements.[2] **(R 336.1225, R 336.1702(a), R 336.1901, 40 CFR 52.21)**

6. The permittee may, at any time, request that EGLE terminate the flexible emission limit provisions of this permit and issue a traditional permit. In the event of such termination, the requirements of this ROP shall remain in effect until a valid replacement ROP is issued. At that time, the permit conditions for any emission unit that has not been modified and to which new requirements have not become applicable will revert to those found in PTI No. 134-99G. For any modified emission unit, or any emission unit for which new requirements have become applicable the permit conditions will reflect requirements contemporaneous with the date of such modification or new requirement applicablility.[2] **(R 336.1225, R 336.1702(a), R 336.1901, 40 CFR 52.21)**

7. For the purposes of Compliance Assurance Monitoring (CAM), excursions will be defined as follows: **(R 336.1213(3), 40 CFR 64.6(c)(2))**
   a. A temperature excursion is defined as a confirmed three-hour period during which the average fails to meet the specified temperature requirements in SC III.1, III.2, and III.3
   b. A monitoring excursion is defined as a failure to properly monitor as required in SC VI.3 and VI.4.
   c. An inspection excursion is defined as failure to complete an inspection required in SC VI.5 and VI.6.

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

C. EMISSION UNIT SPECIAL CONDITIONS

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

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

EMISSION UNIT SUMMARY TABLE

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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUELECTROCOAT	An electrocoat dip tank followed by an electrocoat curing oven followed by a dry filtered scuff booth. VOC emissions from both the tank and oven are controlled by a thermal oxidizer (No. 1). Note: VOC emissions from the guidecoat curing oven and the two topcoat curing ovens are also controlled by Thermal Oxidizer No. 1.	03-01-2001	FGMACTIIIIAUTOASSEMBLY
EUGUIDECOAT	A guidecoat spray booth followed by a curing oven. The solvent borne guidecoat is applied automatically with electrostatic bell applicators or equivalent. The guidecoat booth is equipped with a wet eliminator system to control particulate emissions from paint overspray. VOC emissions from zone 1 of the automatic electrostatic bell section of the guidecoat booth are controlled by Thermal Oxidizer No. 2. VOC emissions from Zone 2 are vented to the atmosphere. VOC emissions from the guidecoat curing oven are controlled by Thermal Oxidizer No. 1. Note: VOC emissions from the electrocoat dip tank and the electrocoat curing oven and the two topcoat curing ovens are also controlled by Thermal Oxidizer No.1. Note: VOC emissions from the automatic clearcoat sections of the two topcoat booths and the heated flash are also controlled by Thermal Oxidizer No. 2.	03-01-2001/ 07-01-2011	FGMACTIIIIAUTOASSEMBLY

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUTOPCOAT1	A topcoat spray booth followed by a curing oven. There is a heated flash-off area located between the basecoat portion of the booth and the clearcoat portion of the booth. The waterborne basecoat is applied automatically with electrostatic bell and electrostatic robot applicators or equivalent. The solvent borne clearcoat is applied automatically with electrostatic bell and electrostatic robot applicators or equivalent. The topcoat booth is equipped with a wet eliminator system to control particulate emissions from paint overspray. VOC emissions from the automatic clearcoat section of the topcoat booth and the flash-off area are controlled by Thermal Oxidizer No. 2. VOC emissions from the topcoat curing oven are controlled by Thermal Oxidizer No. 1. Note: VOC emissions from the electrocoat dip tank and the electrocoat curing oven, the guidecoat curing oven, and topcoat curing oven No. 2 are also controlled by Thermal Oxidizer No.1 Note: VOC emissions from the automatic bells section of the guidecoat booth, the heated flash and the automatic clearcoat section of topcoat booth No. 2 are also controlled by Thermal Oxidizer No. 2.	03-01-2001	FGTOPCOAT FGMACTIIIIAUTOASSEMBLY

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUTOPCOAT2	A topcoat spray booth followed by a curing oven. There is a heated flash-off area located between the basecoat portion of the booth and the clearcoat portion of the booth. The waterborne basecoat is applied automatically with electrostatic bell and electrostatic robot applicators or equivalent. The topcoat booth is equipped with a wet eliminator system to control particulate emissions from paint overspray. VOC emissions from the automatic clearcoat section of the topcoat booth and the flash-off area are controlled by Thermal Oxidizer No. 2. VOC emissions from the topcoat curing oven are controlled by Thermal Oxidizer No. 1 Note: VOC emissions from the electrocoat dip tank and the electrocoat curing oven, the guidecoat curing oven, and topcoat curing oven No. 1 are also controlled by Thermal Oxidizer No. 1. Note: VOC emissions from the automatic bells section of the guidecoat booth, the heated flash and the automatic clearcoat section of topcoat booth No. 1 are also controlled by Thermal Oxidizer No. 2.	03-01-2001	FGTOPCOAT FGMACTIIIIAUTOASSEMBLY
EUSEALERS&ADHES	Various sealers, adhesives, and fillers are applied in the body shop, the paint shop, and the general assembly areas.	03-01-2001	FGMACTIIIIAUTOASSEMBLY
EUGLASSINSTALL	FMVSS (Federal Motor Vehicle Safety Standards) required materials are used to bond the fixed glass to the vehicle.	03-01-2001	FGMACTIIIIAUTOASSEMBLY
EUDEADENER	Liquid Applied Sound Deadener applied with a robot applicator.	03-01-2001	FGMACTIIIIAUTOASSEMBLY
EUFOAM	A foam material will be injected into selected hollow area of the vehicle bodies.	03-01-2001	FGMACTIIIIAUTOASSEMBLY

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUVEHFUELFILL	Each new vehicle will be filled with various fluids such as antifreeze, engine oil, windshield washer fluid, refrigerant, and gasoline. Vehicles being filled with gasoline shall be equipped with an onboard vapor recovery system unless the VOC emissions from EUVEHFUELFILL are controlled by a VOC control device, which achieves a minimum of 95% (by weight) destruction efficiency.	03-01-2001	NA
EUNATURALGAS	Natural gas combustion in the ovens, the paint booth air supply houses, the two thermal oxidizers, door heaters, two emergency generators and miscellaneous support equipment.	03-01-2001	NA
EUPURGE	This operation is the purging of applicators within the paint spray booths. The solvent paint robots are to purge into a collection system.	03-01-2001	FGSOLVENTS
EUOTHERSOLVENTS	These activities consist of booth cleaning, miscellaneous cleaning activities, and body wipe.	03-01-2001	FGSOLVENTS
EUELPOMETALRPR	A dry filter scuff booth.	03-01-2001	FGREPAIR
EUSPOTREPAIR1	A dry filter spot repair spray booth. The booth is equipped with air atomized applicators or equivalent.	03-01-2001	FGREPAIR FGMACTIIIIAUTOASSEMBLY
EUSPOTREPAIR2	A dry filter spot repair spray booth. The booth is equipped with air atomized applicators or equivalent.	03-01-2001	FGREPAIR FGMACTIIIIAUTOASSEMBLY
EUSPOTREPAIR3	A dry filter spot repair spray booth. The booth is equipped with air atomized applicators or equivalent.	03-01-2001	FGREPAIR FGMACTIIIIAUTOASSEMBLY
EUFINALREPAIR1	A combination final repair dry filter booth and heat lamps. The booth is equipped with air atomized applicators or equivalent.	03-01-2001	FGREPAIR FGMACTIIIIAUTOASSEMBLY
EUFINALREPAIR2	A combination final repair dry filter booth and heat lamps. The booth is equipped with air atomized applicators or equivalent.	03-01-2001	FGREPAIR FGMACTIIIIAUTOASSEMBLY

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUFINALREPAIR3	A combination final repair dry filter booth and heat lamps. The booth is equipped with air atomized applicators or equivalent.	03-01-2001	FGREPAIR FGMACTIIIIAUTOASSEMBLY
EUFINALREPAIR4	A combination final repair dry filter booth and heat lamps. The booth is equipped with air atomized applicators or equivalent.	03-01-2001	FGREPAIR FGMACTIIIIAUTOASSEMBLY
EUGASTANK#1	An above ground gasoline storage tank (25,000 gallons) equipped with submerged fill pipes and conservation vents. The gasoline storage tank is filled using a vapor balance system.	03-01-2001	FGSTORAGETANKS
EUGASTANK#2	An above ground gasoline storage tank (25,000 gallons) equipped with submerged fill pipes and conservation vents. The gasoline storage tank is filled using a vapor balance system.	03-01-2001	FGSTORAGETANKS
EUGASTANK#3	An above ground gasoline storage tank (10,000 gallons) equipped with submerged fill pipes and conservation vents. The gasoline storage tank is filled using a vapor balance system.	03-01-2001	FGSTORAGETANKS
EUGASTANK#4	An above ground gasoline storage tank (10,000 gallons) equipped with submerged fill pipes and conservation vents. The gasoline storage tank is filled using a vapor balance system.	03-01-2001	FGSTORAGETANKS
EUWWFTANK#1	An above ground ethanol (windshield washer fluid) storage tank (20,000 gallons) equipped with submerged fill pipes and conservation vents.	03-01-2001	FGSTORAGETANKS
EUEMERGENCYGENERATORGA	A 174 HP diesel emergency generator to provide UPS emergency lighting to the General Assembly (GA) building.	01-01-2003	FGMACTZZZZCI≤500HP
EUEMERGENCYGENERATORPAINT	A 317 HP diesel emergency generator to provide UPS emergency lighting to the Paint building.	01-01-2004	FGMACTZZZZCI≤500HP
EUEMERGENCYGENERATORBUILDING66	A 605 HP diesel emergency generator to provide UPS emergency power to the computer room in Building 66.	01-01-2000	FGMACTZZZZCI>500HP

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUEMERGENCYGENERATORELPO	A 605 HP diesel emergency generator to provide UPS emergency power to heat and circulate the Elpo (Electrocoat) bath in the Paint building.	01-01-2000	FGMACTZZZZCI>500HP
EUEMERGENCYDIESELFIREPUMPLGR	A 420 HP fire pump diesel engine located at the LGR (Paint) Fire Pump House.	01-01-2000	FGMACTZZZZCI≤500HP
EUEMERGENCYDIESELFIREPUMPBLDG23	A 77 HP fire pump diesel engine located at the Building 23 Fire Pump House.	01-01-1970	FGMACTZZZZCI≤500HP
EUEMERGENCYGENERATORLOC	A 131.6 HP natural gas emergency generator to provide UPS emergency lighting to the LOC building.	10-01-2014	FGNSPSJJJJ
EUEMERGENCYGENERATORSTAMPING	A 131.3 HP natural gas emergency generator to provide UPS emergency lighting to the Stamping building.	08-01-2015	FGNSPSJJJJ
EUPARTSWASHER#1	Solvent parts washer located in the Paint Shop Building in the Clearcoat A Inspection Zone.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#2	Solvent parts washer located in the Paint Shop Building in the Clearcoat A Inspection Zone.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#3	Solvent parts washer located in the Paint Shop Building in the Clearcoat B Inspection Zone.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#4	Solvent parts washer located in the Paint Shop Building in the Clearcoat B Inspection Zone.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#5	Solvent parts washer located in the Paint Shop Building in the Basecoat A Inspection Area .	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#6	Solvent parts washer located in the Paint Shop Building in the Finesse Mix Kitchen.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#9	Solvent parts washer located in the Paint Shop Building in the Maintenance Crib.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#11	Solvent parts washer located in the Paint Shop Building in the Mix Room.	01-01-2001	FGCOLDCLEANERS

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUPARTSWASHER#12	Solvent parts washer located in the Paint Shop Building in the Mix Room.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#13	Solvent parts washer located in the Body Shop Building in the Maintenance Area.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#14	Solvent parts washer located in the Logistics (LOC) Building in the Fork Truck Area.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#15	Solvent parts washer located in the General Assembly (GA) Building in the Maintenance Crib.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#16	Solvent parts washer located in the General Assembly (GA) Building in the Final Repair Mix Kitchen.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#17	Solvent parts washer located in the General Assembly (GA) Building in the Final Repair Mix Kitchen.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#19	Solvent parts washer located in Building 66 (Admin) in the Fork Truck Repair.	01-01-2001	FGCOLDCLEANERS
EUPARTSWASHER#20	Aqueous parts washer located in the LGS Building in the LGS Maintenance.	01-01-2015	FGCOLDCLEANERS
EUPARTSWASHER#21	Aqueous parts washer located in the CUC Building in the Machine Room.	01-01-2016	FGCOLDCLEANERS
EUPARTSWASHER#22	Aqueous parts washer located in the Paint Shop Building south of the Basecoat A Inspection Zone.	01-01-2022	FGCOLDCLEANERS
EUPARTSWASHER#23	Solvent parts washer located in the Paint Shop Building in the Clean Room between A and B Booths.	01-01-2022	FGCOLDCLEANERS

EUELECTROCOAT
EMISSION UNIT CONDITIONS

DESCRIPTION

An electrocoat dip tank followed by an electrocoat curing oven followed by a dry filtered scuff booth.

Flexible Group ID: FGMACTIIIIAUTOASSEMBLY

POLLUTION CONTROL EQUIPMENT

VOC emissions from both the tank and oven are controlled by a thermal oxidizer (No. 1).

Note: VOC emissions from the guidecoat curing oven and the two topcoat curing ovens are also controlled by Thermal Oxidizer No. 1.

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall operate EUELECTROCOAT such that positive airflow into the enclosed area around the electrocoat dip tank occurs whenever EUELECTROCOAT is in use. Positive airflow shall be demonstrated according to a method acceptable to the AQD District Supervisor. In addition, the permittee shall keep all access doors and windows closed on the electrocoat dip tank whenever EUELECTROCOAT is in operation.[2] **(R 336.1702(a), 40 CFR 52.21)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate EUELECTROCOAT unless Thermal Oxidizer No. 1 is installed, maintained and operated in a satisfactory manner. Satisfactory operation of the thermal oxidizer includes maintaining a minimum combustion chamber temperature of 1400 °F and a minimum retention time of 0.5 seconds. In lieu of a minimum temperature, an average temperature of 1400 °F based upon a three-hour rolling average may be used.[2] **(R 336.1225, R 336.1702(a), R 336.1901, 40 CFR 52.21)**

V. TESTING/SAMPLING

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

1. The VOC content, water content and density of the resin, pigment and additives, as added to the Electrocoat tank, shall be determined using federal Reference Test Method 24. Alternatively, for waterborne materials, the VOC content may be determined from the manufacturer's formulation data. If the Method 24 and the formulation values should differ, the Method 24 results shall be used to determine compliance. Upon request of the District Supervisor, the VOC content, water content and density of the resin, pigment and additives as added to the Electrocoat tank shall be verified by testing using federal Reference Test Method 24.[2] **(R 336.1702(a), 40 CFR 52.21)**

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a temperature monitoring device in the combustion chamber of Thermal Oxidizer No. 1 to monitor and record the temperature on a continuous basis, during operation of EUELECTROCOAT. Temperature data recording shall consist of measurements made at equally spaced intervals, not to exceed 15 minutes per interval.[2] **(R 336.1702(a), 40 CFR 52.21, 40 CFR Part 60, Subpart MM)**

2. The permittee shall keep, in a satisfactory manner, operating temperature records for Thermal Oxidizer No. 1 as required by SC VI.1. If the measure operating temperature of Thermal Oxidizer No. 1 falls below 1400 °F during operation of EUELECTROCOAT, compliance may be demonstrated based upon a three-hour average temperature, by calculating the average operating temperature for each three-hour period which includes one or more temperature readings below 1400 °F. All calculations and records shall be kept on file for a period of at least five years and made available to the Department upon request.[2] **(R 336.1702(a), 40 CFR 52.21, 40 CFR Part 60, Subpart MM)**

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 Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. ELPO Oven Canopy Exhaust - G1	18.0[2]	119.0[2]	**R 336.1225, 40 CFR 52.21(c) and (d)**
2. ELPO Oven Cooler Exhaust - G2	37.0[2]	119.0[2]	**R 336.1225, 40 CFR 52.21(c) and (d)**
3. Thermal Oxidizer Number 1 - P1	68.0[2]	126.0[2]	**R 336.1225, 40 CFR 52.21(c) and (d)**

IX. OTHER REQUIREMENT(S)

NA

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

EUGUIDECOAT
EMISSION UNIT CONDITIONS

DESCRIPTION

A guidecoat spray booth followed by a curing oven. The solvent borne guidecoat is applied automatically with electrostatic bell applicators or equivalent.

Flexible Group ID: FGMACTIIIIAUTOASSEMBLY

POLLUTION CONTROL EQUIPMENT

The guidecoat booth is equipped with a wet eliminator system to control particulate emissions from paint overspray. The spraybooth is comprised of two zones, both utilizing robotic applicators. VOC emissions from Zone 1 of the automatic electrostatic bell section of the guidecoat booth are controlled by Thermal Oxidizer No. 2. VOC emissions from Zone 2 are vented to the atmosphere. VOC emissions from the guidecoat curing oven are controlled by Thermal Oxidizer No. 1.

Note: VOC emissions from the electrocoat dip tank and the electrocoat curing oven and the two topcoat curing ovens are also controlled by Thermal Oxidizer No. 1.

Note: VOC emissions from the two automatic clearcoat sections of the two topcoat booths and the heated flash are also controlled by Thermal Oxidizer No. 2.

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall operate Zone 1 of the automatic bells section portion of EUGUIDECOAT such that positive airflow into the controlled automatic bells section occurs whenever EUGUIDECOAT is in use. Positive airflow shall be demonstrated according to a method acceptable to the AQD District Supervisor.[2] **(R 336.1702(a), R 336.2810, 40 CFR 52.21(j))**

2. The permittee shall install and properly operate the carbon adsorption unit which precedes Thermal Oxidizer No. 2 in accordance with the approved periodic monitoring plan.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.1910, R 336.2810, 40 CFR 52.21(j))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate Zone 1 of the automatic bells section of the guidecoat booth portion of EUGUIDECOAT unless Thermal Oxidizer No. 2 is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the thermal oxidizer includes maintaining a minimum combustion chamber temperature of 1400 °F and a minimum retention time of 0.5 seconds. In lieu of a minimum temperature, an average temperature of 1400 °F based upon a three-hour rolling average may be used.[2] **(R 336.1224, R 336.225, R 336.1702(a), R 336.1910, R 336.2810, 40 CFR 52.21(j))**

2. The permittee shall not operate the guidecoat curing oven portion of EUGUIDECOAT unless Thermal Oxidizer No. 1 is installed, maintained and operated in a satisfactory manner. Satisfactory operation of the thermal oxidizer includes maintaining a minimum combustion chamber temperature of 1400 °F and a minimum retention time of 0.5 seconds. In lieu of a minimum temperature, an average temperature of 1400 °F based upon a three-hour rolling average may be used.[2] **(R 336.1224, R 336.1225, R 336.1702(a), R 336.1910, R 336.2810, 40 CFR 52.21(j))**

V. TESTING/SAMPLING

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

1. The VOC content, water content and density of any coating or material as applied and as received, shall be determined using federal Reference Test Method 24. Alternatively, for waterborne materials, the VOC content may be determined from manufacturer's formulation data. If the Method 24 and the formulation values should differ, the Method 24 results shall be used to determine compliance. Upon request of the District Supervisor, the VOC content, water content and density of any coating or material shall be verified using federal Reference Test Method 24.[2] **(R 336.1702(a), R 336.2001, R 336.2003, R 336.2004, R 336.2810, 40 CFR 52.21(j))**

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a temperature monitoring device in the combustion chamber of Thermal Oxidizer No. 1 to monitor and record the temperature on a continuous basis, during operation of EUGUIDECOAT. Temperature data recording shall consist of measurements made at equally spaced intervals, not to exceed 15 minutes per interval.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.2810, 40 CFR 52.21 (j), 40 CFR 60.13, 40 CFR 60.390)**

2. The permittee shall install, calibrate, maintain, and operate in a satisfactory manner a temperature monitoring device in the combustion chamber of Thermal Oxidizer No. 2 to monitor and record the temperature on a continuous basis, during operation of EUGUIDECOAT. Temperature data recording shall consist of measurements made at equally spaced intervals, not to exceed 15 minutes per interval.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.2810, 40 CFR 52.21 (j), 40 CFR 60.13, 40 CFR 60.390)**

3. The permittee shall monitor the condition of the water wash particulate control system through weekly visual inspections.[2] **(R 336.1224, R 336.1301, R 336.1331, R 336.1910, R 336.2810, 40 CFR 52.21 (j))**

4. The permittee shall keep records of visual inspections of the water wash particulate control system which include the dates and results of the inspections and the dates and reasons for repairs. All records shall be kept on file for a period of at least five years and made available to the Department upon request.[2] **(R 336.1224, R 336.1301, R 336.1331, R 336.1910, R 336.2810, 40 CFR 52.21 (j))**

5. The permittee shall keep, in a satisfactory manner, operating temperature records for Thermal Oxidizer No. 1 as required by SC VI.1. If the measured operating temperature of Thermal Oxidizer No. 1 falls below 1400 °F during operation of EUGUIDECOAT, compliance may be demonstrated based upon a three-hour average temperature, by calculating the average operating temperature for each three-hour period which includes one or more temperature readings below 1400 °F. All calculations and records shall be kept on file for a period of at least five years and made available to the Department upon request.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a) , R 336.2810, 40 CFR 52.21 (j), 40 CFR 60.13, 40 CFR 60.390)**

6. The permittee shall keep, in a satisfactory manner, operating temperature records for Thermal Oxidizer No. 2 as required by SC VI.2. If the measured operating temperature of Thermal Oxidizer No. 2 falls below 1400 °F during operation of EUGUIDECOAT, compliance may be demonstrated based upon a three-hour average temperature, by calculating the average operating temperature for each three-hour period which includes one or more temperature readings below 1400 °F. All calculations and records shall be kept on file for a period of at least five years and made available to the Department upon request.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.2810, 40 CFR 52.21 (j), 40 CFR 60.13, 40 CFR 60.390)**

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 Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. Primer Cleanup & Solvent Wipe Operations (D1)	30.0[2]	127.0[2]	**R 336.1225, R 336.1901, R 336.2803, R 336.2804, 40 CFR 52.21 (c) & (d)**
2. Guidecoat Oven Canopy Exhaust	18.0[2]	119.0[2]	**R 336.1225, R 336.1901, R 336.2803, R 336.2804, 40 CFR 52.21 (c) & (d)**
3. Guidecoat Oven Cooler Exhaust	37.0[2]	119.0[2]	**R 336.1225, R 336.1901, R 336.2803, R 336.2804, 40 CFR 52.21 (c) & (d)**
4. Thermal Oxidizer Number 1	68.0[2]	126.0[2]	**R 336.1225, R 336.1901, R 336.2803, R 336.2804, 40 CFR 52.21 (c) & (d)**
5. Guidecoat Manual Tack-Off & Guidecoat Manual Spray Zone	246.0 x 146.0[2]	145.0[2]	**R 336.1225, R 336.1901, R 336.2803, R 336.2804, 40 CFR 52.21 (c) & (d)**
6. Thermal Oxidizer Number 2 & Concentrator	78.0[2]	127.0[2]	**R 336.1225, R 336.1901, R 336.2803, R 336.2804, 40 CFR 52.21 (c) & (d)**

IX. OTHER REQUIREMENT(S)

NA

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

EUSEALERS&ADHES
EMISSION UNIT CONDITIONS

DESCRIPTION

Various sealers, adhesives, and fillers are applied in the body shop, the paint shop, and the general assembly areas.

Flexible Group ID: FGMACTIIIIAUTOASSEMBLY

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

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

1. The VOC content of each sealer and adhesive shall be determined using federal Reference Test Method 24 at representative time(s) and temperature(s) used to cure the related coating or material in practice as provided by ASTM D2369-98, 1.4 and Note 3. Alternatively, the VOC content may be determined form manufacturer's formulation data. If the tested and the formulation values should differ, the test results shall be used to determine compliance. Upon request of the District Supervisor, the VOC content of each sealer and adhesive shall be verified by testing.[2] **(R 336.1702(a), R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21)**

VI. MONITORING/RECORDKEEPING

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

NA

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

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

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

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

EUGLASSINSTALL
EMISSION UNIT CONDITIONS

DESCRIPTION

FMVSS (Federal Motor Vehicle Safety Standards) required materials are used to bond the fixed glass to the vehicle.

Flexible Group ID: FGMACTIIIIAUTOASSEMBLY

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

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

1. The VOC content of each coating or material shall be determined using federal Reference Test Method 24 at representative time(s) and temperature(s) used to cure the related coating or material in practice as provided by ASTM D2369-98, 1.4 and Note 3. Alternatively, the VOC content may be determined from manufacturer's formulation data. If the tested and the formulation values should differ, the test results shall be used to determine compliance. Upon request of the District Supervisor, the VOC content of each coating or material shall be verified by testing.[2] **(R 336.1702(a), R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21)**

VI. MONITORING/RECORDKEEPING

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

NA

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

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

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

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

EUDEADENER
EMISSION UNIT CONDITIONS

DESCRIPTION

A waterborne Liquid Applied Sound Deadener material will be applied using a robotic applicator.

Flexible Group ID: FGMACTIIIIAUTOASSEMBLY

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

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

1. The VOC content of each deadener material shall be determined using federal Reference Test Method 24 at representative time(s) and temperature(s) used to cure the related coating or material in practice as provided by ASTM D2369-98, 1.4 and Note 3. Alternatively, the VOC content may be determined from manufacturer's formulation data. If the tested and the formulation values should differ, the test results shall be used to determine compliance. Upon request of the District Supervisor, the VOC content of each deadener material shall be verified by testing.[2] **(R 336.1702(a), R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21)**

VI. MONITORING/RECORDKEEPING

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

NA

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

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

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

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

EUFOAM
EMISSION UNIT CONDITIONS

DESCRIPTION

A foam material will be injected into selected hollow areas of the vehicle bodies.

Flexible Group ID: FGMACTIIIIAUTOASSEMBLY

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

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

1. The VOC content of each foam material shall be determined using federal Reference Test Method 24 at representative time(s) and temperature(s) used to cure the related coating or material in practice as provided by ASTM D2369-98, 1.4 and Note 3. Alternatively, the VOC content may be determined from manufacturer's formulation data. If the tested and the formulation values should differ, the test results shall be used to determine compliance. Upon request of the District Supervisor, the VOC content of each foam material shall be verified by testing.[2] **(R 336.1702(a), R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21)**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five 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 Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. EU-Foam (C1)	62.0[2]	89.0[2]	**R 336.1225, 40 CFR 52.21(c) and (d)**

IX. OTHER REQUIREMENT(S)

NA

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

EUVEHFUELFILL
EMISSION UNIT CONDITIONS

DESCRIPTION

Each new vehicle will be filled with various fluids such as antifreeze, engine oil, windshield washer fluid, refrigerant, and gasoline. Vehicles being filled with gasoline shall be equipped with an onboard vapor recovery system unless the VOC emission from EUVEHFUELFILL are controlled by a VOC control device, which achieves a minimum of 95% (by weight) destruction efficiency.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not add fuel to any vehicle without an Onboard Re-fueling Vapor Recovery system unless the VOC emissions from the fuel filling process are controlled by a VOC control device, which achieves a minimum of 95 percent (by weight) destruction efficiency.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), 40 CFR 52.21)**

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 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 Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. EU-Vehicle Fuel Fill (FF1)	41.0[2]	40.0[2]	**R 336.1225, 40 CFR 52.21(c) & (d)**
2. EU-Vehicle Fuel Fill (FF2)	41.0[2]	40.0[2]	**R 336.1225, 40 CFR 52.21(c) & (d)**

IX. OTHER REQUIREMENT(S)

NA

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

EUNATURALGAS
EMISSION UNIT CONDITIONS

DESCRIPTION

Natural gas combustion in the ovens, the paint booth air supply houses, the two thermal oxidizers, door heaters, two emergency generators and miscellaneous support equipment.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

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

NA

VI. MONITORING/RECORDKEEPING

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

1. For EUNATURALGAS, the permittee shall keep the following records/calculations in a format acceptable to the AQD District Supervisor.
   a. Total natural gas, in cubic feet, used during each calendar month.
   b. NOx emission rate, in tons per month and tons per 12-month rolling time period.
      i. Emission calculations for booth air supply houses shall be calculated using an emission factor of 85 pounds NOx per million cubic feet of natural gas.
      ii. Emission calculations for ovens, thermal oxidizers and door heaters shall be calculated using an emission factor of 100 pounds NOx per million cubic feet of natural gas.

   As alternative, the permittee may keep other records acceptable to the AQD District Supervisor. All records/calculations shall be kept on file for a period of at least five years and made available to the Department upon request.[2] **(R 336.1205, 40 CFR 52.21)**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

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

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

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

D. FLEXIBLE GROUP SPECIAL CONDITIONS

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

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

FLEXIBLE GROUP SUMMARY TABLE

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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGTOPCOAT	Two parallel topcoat spray systems which consist of a spray booth followed by a curing oven. There is a heated flash-off area located between the basecoat portion of the booth and the clearcoat portion of the booth. The waterborne basecoat is applied automatically with electrostatic bell and electrostatic robot applicators or equivalent. The solvent borne clearcoat is applied automatically with electrostatic bell and electrostatic robot applicators or equivalent.	EUTOPCOAT1, EUTOPCOAT2
FGSOLVENTS	Purging of applicators within the paint spray booths. The paint robots using solvent borne purge are to purge into a collection system. Booth cleaning, miscellaneous cleaning activities, and body wipe.	EUPURGE, EUOTHERSOLVENTS
FGREPAIR	Three spot repair booths, four final repair booths and an ELPO heavy metal repair booth.	EUELPOMETALRPR, EUSPOTREPAIR1, EUSPOTREPAIR2, EUSPOTREPAIR3, EUFINALREPAIR1, EUFINALREPAIR2, EUFINALREPAIR3, EUFINALREPAIR4
FGSTORAGETANKS	Various liquid material storage tanks.	EUGASTANK#1, EUGASTANK#2, EUGASTANK#3, EUGASTANK#4, EUWWFTANK#1

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGMACTIIIIAUTOASSEMBLY	Each new, reconstructed or existing affected source as defined in 40 CFR 63.3082, that is located at a facility which applies topcoat to new automobile or new light duty truck bodies or body parts, and that is a major source, is located at a major source, or is part of a major source of emissions of hazardous air pollutants (HAPs) except as provided in 63.3081(c) is subject to the requirements of 40 CFR 63 Subpart IIII. This includes equipment covered by other permits, grandfathered equipment, and exempt equipment.	EUELECTROCOAT, EUGUIDECOAT, EUTOPCOAT1, EUTOPCOAT2, EUSEALERS&ADHES, EUGLASSINSTALL, EUDEADENER, EUFOAM, EUFINALREPAIR1, EUFINALREPAIR2, EUFINALREPAIR3, EUFINALREPAIR4, EUSPOTREPAIR1, EUSPOTREPAIR2, EUSPOTREPAIR3
FGMACTZZZZCI≤500HP	**40 CFR Part 63, Subpart ZZZZ** - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), located at a major source of HAP emissions, existing emergency, compression ignition (CI) RICE equal to or less than 500 brake hp. A RICE is existing if the date of installation is before June 12, 2006.	EUEMERGENCYGENERATORGA, EUEMERGENCYGENERATORPAINT, EUEMERGENCYDIESELFIREPUMPLGR, EUEMERGENCYDIESELFIREPUMPBLDG23
FGMACTZZZZCI>500HP	**40 CFR Part 63, Subpart ZZZZ** - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), located at a major source of HAP emissions, existing emergency, compression ignition (CI) RICE greater than 500 brake hp. A RICE is existing if the date of installation is before December 19, 2002.	EUEMERGENCYGENERATORBUILDING66, EUEMERGENCYGENERATORELPO
FGNSPSJJJJ	This flexible group includes new emergency spark-ignition (SI) natural gas fired stationary reciprocating internal combustion engines (RICE) that have a maximum site rating of greater than or equal to 100 brake horsepower (HP) but less than 500 HP and subject to 40 CFR 60, Subpart JJJJ.	EUEMERGENCYGENERATORLOC, EUEMERGENCYGENERATORSTAMPING

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGCOLDCLEANERS	Any cold cleaner that is grandfathered or exempt from Rule 201 pursuant to Rule 278, Rule 278a and Rule 281(2)(h) or Rule 285(2)(r)(iv). Existing cold cleaners were placed into operation prior to July 1, 1979. New cold cleaners were placed into operation on or after July 1, 1979.	EUPARTSWASHER#1, EUPARTSWASHER#2, EUPARTSWASHER#3, EUPARTSWASHER#4, EUPARTSWASHER#5, EUPARTSWASHER#6, EUPARTSWASHER#9, EUPARTSWASHER#11, EUPARTSWASHER#12, EUPARTSWASHER#13, EUPARTSWASHER#14, EUPARTSWASHER#15, EUPARTSWASHER#16, EUPARTSWASHER#17, EUPARTSWASHER#19, EUPARTSWASHER#20, EUPARTSWASHER#21, EUPARTSWASHER#22, EUPARTSWASHER#23

FGTOPCOAT
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Two parallel topcoat spray systems which consist of a spray booth followed by a curing oven. There is a heated flash-off area located between the basecoat portion of the booth and the clearcoat portion of the booth. The waterborne basecoat is applied automatically with electrostatic bell and electrostatic robot applicators or equivalent. The solvent borne clearcoat is applied automatically with electrostatic bell and electrostatic robot applicators or equivalent.

Emission Units: EUTOPCOAT1, EUTOPCOAT2

POLLUTION CONTROL EQUIPMENT

The topcoat booths are equipped with a wet eliminator system to control particulate emissions from paint overspray. VOC emissions from the automatic clearcoat sections of the topcoat booths and the flash-off area are controlled by Thermal Oxidizer No. 2. VOC emissions from the topcoat curing ovens are controlled by Thermal Oxidizer No. 1.

Note: VOC emissions from the electrocoat dip tank and the electrocoat curing oven, the guidecoat curing oven, and both topcoat curing ovens are also controlled by Thermal Oxidizer No. 1.

Note: VOC emissions from the automatic bells section of the guidecoat booth, the heated flash and the automatic clearcoat sections of both topcoat booths are also controlled by Thermal Oxidizer No. 2.

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall operate each automatic clearcoat robot section and each automatic clearcoat bell section of both topcoat booths such that positive airflow into the controlled automatic sections occurs whenever FGTOPCOAT is in use. Positive airflow shall be demonstrated according to a method acceptable to the AQD District Supervisor.[2] **(R 336.1702(a), 40 CFR 52.21)**

2. The permittee shall install and properly operate the carbon adsorption unit which precedes Thermal Oxidizer No. 2 in accordance with the approved periodic monitoring plan.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.1910, 40 CFR 52.21)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not operate the two topcoat curing ovens portion of FGTOPCOAT unless Thermal Oxidizer No. 1 is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the thermal oxidizer includes maintaining a minimum combustion chamber temperature of 1400 °F and a minimum retention time of 0.5 seconds. In lieu of a minimum temperature, an average temperature of 1400 °F based upon a three-hour rolling average may be used.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.1910, 40 CFR 52.21)**

2. The permittee shall not operate the two basecoat heated flash-off areas, the two automatic clearcoat robots sections, and the two automatic clearcoat bells sections portions of FGTOPCOAT unless Thermal Oxidizer No. 2 is installed, maintained and operated in a satisfactory manner. Satisfactory operation of the thermal oxidizer includes maintaining a minimum combustion chamber temperature of 1400 °F and a minimum retention time of 0.5 seconds. In lieu of a minimum temperature, an average temperature of 1400 °F based upon a three-hour rolling average may be used.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.1910, 40 CFR 52.21)**

V. TESTING/SAMPLING

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

1. The VOC content, water content and density of any coating or material as applied and as received, shall be determined using federal Reference Test Method 24. Alternatively, for waterborne materials, the VOC content may be determined from manufacturer's formulation data. If the Method 24 and the formulation values should differ, the Method 24 results shall be used to determine compliance. Upon request of the District Supervisor, the VOC content, water content and density of any coating or material shall be verified using federal Reference Test Method 24.[2] **(R 336.1702(a), R 336.2001, R 336.12003, R 336.2004, 40 CFR 52.21)**

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall install, calibrate, maintain, and operate in a satisfactory manner a temperature monitoring device in the combustion chamber of Thermal Oxidizer No. 1 to monitor and record the temperature on a continuous basis, during operation of FGTOPCOAT. Temperature data recording shall consist of measurements made at equally spaced intervals, not to exceed 15 minutes per interval.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), 40 CFR 52.21, 40 CFR 60.13, 40 CFR 60.390)**

2. The permittee shall install, calibrate, maintain, and operate in a satisfactory manner a temperature monitoring device in the combustion chamber of Thermal Oxidizer No. 2 to monitor and record the temperature on a continuous basis, during operation of FGTOPCOAT. Temperature data recording shall consist of measurements made at equally spaced intervals, not to exceed 15 minutes per interval.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), 40 CFR 52.21, 40 CFR 60.13, 40 CFR 60.390)**

3. The permittee shall monitor the condition of the water wash particulate control system through weekly visual inspections.[2] **(R 336.1224, R 336.1301, R 336.1331, R 336.1910, 40 CFR 52.21)**

4. The permittee shall keep records of visual inspections of the water wash particulate control system which include the dates and results of the inspections and the dates and reasons for repairs. All records shall be kept on file for a period of at least five years and made available to the Department upon request.[2] **(R 336.1224, R 336.1301, R 336.1331, R 336.1910, 40 CFR 52.21)**

5. The permittee shall keep, in a satisfactory manner, operating temperature records for Thermal Oxidizer No. 1 as required by SC IV.1. If the measured operating temperature of Thermal Oxidizer No. 1 falls below 1400 °F during operation of FGTOPCOAT, compliance may be demonstrated based upon a three-hour average temperature, by calculating the average operating temperature for each three-hour period which includes one or more temperature readings below 1400 °F. All calculations and records shall be kept on file for a period of at least five years and made available to the Department upon request.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), 40 CFR 52.21, 40 CFR 60.13, 40 CFR 60.390)**

6. The permittee shall keep, in a satisfactory manner, operating temperature records for Thermal Oxidizer No. 2 as required by SC IV.2. If the measured operating temperature of Thermal Oxidizer No. 2 falls below 1400 °F during operation of FGTOPCOAT, compliance may be demonstrated based upon a three-hour average temperature, by calculating the average operating temperature for each three-hour period which includes one or more temperature readings below 1400 °F. All calculations and records shall be kept on file for a period of at least five years and made available to the Department upon request.[2] **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), 40 CFR 52.21, 40 CFR 60.13, 40 CFR 60.390)**

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 Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. Topcoat Solvent Wipe & Manual Tack-Off Operations (D2)	49.0[2]	127.0[2]	**R 336.1225, 40 CFR 52.21(c) & (d)**
2. Topcoat Oven No. 1 Canopy Exhaust (H1)	18.0[2]	119.0[2]	**R 336.1225, 40 CFR 52.21(c) & (d)**
3. Topcoat Oven No. 1 Cooler Exhaust (H2)	37.0[2]	119.0[2]	**R 336.1225, 40 CFR 52.21(c) & (d)**
4. Topcoat Oven No. 2 Canopy Exhaust (I1)	18.0[2]	119.0[2]	**R 336.1225, 40 CFR 52.21(c) & (d)**
5. Topcoat Oven No. 2 Cooler Exhaust (I2)	37.0[2]	119.0[2]	**R 336.1225, 40 CFR 52.21(c) & (d)**
6. Thermal Oxidizer Number 1 (P1)	68.0[2]	126.0[2]	**R 336.1225, 40 CFR 52.21(c) & (d)**
7. Basecoat Manual & Automatic Spray Zones and Clearcoat Backup/Manual Spray Zone (S1)	246.0 x 146.0[2]	145.0[2]	**R 336.1225, 40 CFR 52.21(c) & (d)**
8. Thermal Oxidizer Number 2 & Concentrator (S2)	78.0[2]	127.0[2]	**R 336.1225, 40 CFR 52.21(c) & (d)**

IX. OTHER REQUIREMENT(S)

NA

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

FGSOLVENTS
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Purging of applicators within the paint spray booths. The paint robots using solvent borne purge are to purge into a collection system. Booth cleaning, miscellaneous cleaning activities, and body wipe.

Emission Units: EUPURGE, EUOTHERSOLVENTS

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

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

1. The VOC content, water content and density of any solvent as applied and as received, shall be determined using federal Reference Test Method 24. Alternatively, for waterborne materials, the VOC content may be determined from manufacturer's formulation data. If the Method 24 and the formulation values should differ, the Method 24 results shall be used to determine compliance. Upon request of the District Supervisor, the VOC content, water content and density of any coating or material shall be verified using federal Reference Test Method 24.[2] **(R 336.1702(a), R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21)**

VI. MONITORING/RECORDKEEPING

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

NA

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

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

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

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

FGREPAIR
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Three spot repair booths, four final repair booths and an ELPO heavy metal repair booth.

Emission Units: EUELPOMETALRPR, EUSPOTREPAIR1, EUSPOTREPAIR2, EUSPOTREPAIR3, EUFINALREPAIR1, EUFINALREPAIR2, EUFINALREPAIR3, EUFINALREPAIR4

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall process automobile bodies through each of the three spot repair booths, through the ELPO Heavy Metal Repair Booth, and through each of the four combination final repair booths/ovens in conjunction with the dry filter particulate control systems, in each, being installed, maintained and operated in a satisfactory manner.[2] **(R 336.1224, R 336.1331, R 336.1901, R 336.1910, 40 CFR 52.21)**

V. TESTING/SAMPLING

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

1. The VOC content, water content and density of any coating or material as applied and as received, shall be determined using federal Reference Test Method 24. Alternatively, for waterborne materials, the VOC content may be determined from manufacturer's formulation data. If the Method 24 and the formulation values should differ, the Method 24 results shall be used to determine compliance. Upon request of the District Supervisor, the VOC content, water content and density of any coating or material shall be verified using federal Reference Test Method 24.[2] **(R 336.1702(a), R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21)**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five 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 Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. Spot Repair Booth Nos. 1, 2, & 3 (F1)*	63.0[2]	112.0[2]	**R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)**
2. Spot Repair Booth Nos. 1, 2, & 3 (F2)*	63.0[2]	112.0[2]	**R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)**
3. Elpo Heavy Metal Repair Booth (F3)	26.0[2]	111.0[2]	**R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)**
4. Combination Final Repair Booth & Oven No. 1 (FR1)	40.0[2]	50.0[2]	**R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)**
5. Combination Final Repair Booth & Oven No. 1 (FR2)	40.0[2]	50.0[2]	**R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)**
6. Combination Final Repair Booth & Oven No. 1 (FR3)	40.0[2]	50.0[2]	**R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)**
7. Combination Final Repair Booth & Oven No. 1 (FR4)	40.0[2]	50.0[2]	**R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d)**

*Note: Spot Repair Booth Nos. 1, 2 and 3 share two common exhaust stacks, Nos. F1 and F2.

IX. OTHER REQUIREMENT(S)

NA

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

FGSTORAGETANKS
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Various liquid material storage tanks.

Emission Units: EUGASTANK#1, EUGASTANK#2, EUGASTANK#3, EUGASTANK#4, EUWWFTANK#1

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall not unload materials into any of the 4 gasoline storage tanks (EUGASTANK#1, EUGASTANK#2, EUGASTANK#3, EUGASTANK#4) unless their vapor balance system is installed and operated in a satisfactory manner.[2] **(R 336.1702(a), 40 CFR 52.21)**

2. The permittee shall equip and maintain each of the 5 liquid storage tanks in FGSTORAGETANKS with a submerged fill pipe, a combination conservation vent and flame arrester, and a vacuum and relief valve/vent. All of these must be installed and operated in a satisfactory manner whenever a tank is used.[2] **(R 336.1702(a), 40 CFR 52.21)**

V. TESTING/SAMPLING

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

1. The VOC content of each material stored in FGSTORAGETANKS shall be determined using manufacturer's formulation data.[2] **(R 336.1702(a), R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21)**

VI. MONITORING/RECORDKEEPING

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

1. Monitoring and recording of operating information for the 20,000-gallon ethanol storage tank is required to comply with the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60, Subparts A and Kb. All required records shall be kept on file for the period specified below and shall be made available to the Department upon request:[2] **(40 CFR 60.110b)**
   a. For all of the above listed tanks, dimensions and capacity analysis for the lifetime of the tanks.
   b. For only the 20,000-gallon ethanol tank, records of the volume of material stored; the length of time the material was stored; and the maximum true vapor pressure of the material stored shall be kept on file for a minimum of two years.

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

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

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

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

FGMACTIIIIAUTOASSEMBLY
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Each new, reconstructed or existing affected source as defined in 40 CFR 63.3082, that is located at a facility which applies topcoat to new automobile or new light duty truck bodies or body parts, and that is a major source, is located at a major source, or is part of a major source of emissions of hazardous air pollutants (HAPs) except as provided in 63.3081(c) is subject to the requirements of 40 CFR Part 63, Subpart IIII. This includes equipment covered by other permits, grandfathered equipment, and exempt equipment.

Emission Units: EUELECTROCOAT, EUGUIDECOAT, EUTOPCOAT1, EUTOPCOAT2, EUSEALERS&ADHES, EUGLASSINSTALL, EUDEADENER, EUFOAM, EUFINALREPAIR1, EUFINALREPAIR2, EUFINALREPAIR3, EUFINALREPAIR4, EUSPOTREPAIR1, EUSPOTREPAIR2, EUSPOTREPAIR3

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Organic HAP	0.60 lb per GACS[2]	Calendar month	EUELECTROCOAT, EUGUIDECOAT, EUTOPCOAT1, EUTOPCOAT2, EUGLASSINSTALL, EUFOAM, EUFINALREPAIR1, EUFINALREPAIR2, EUFINALREPAIR3, EUFINALREPAIR4, EUSPOTREPAIR1, EUSPOTREPAIR2, EUSPOTREPAIR3	SC V.1, SC V.2, SC VI.3	**40 CFR 63.3091(a)**
2. Organic HAP	1.10 lbs per GACS[2,*]	Calendar month	EUGUIDECOAT, EUTOPCOAT1, EUTOPCOAT2, EUGLASSINSTALL, EUFOAM, EUFINALREPAIR1, EUFINALREPAIR2, EUFINALREPAIR3, EUFINALREPAIR4, EUSPOTREPAIR1, EUSPOTREPAIR2, EUSPOTREPAIR3	SC V.1, SC V.2, SC VI.3	**40 CFR 63.3091(b)**
3. Organic HAP	0.01 lb per lb of coating[2]	Calendar month	EUSEALERS&ADHES	SC V.1, SC V.2, SC VI.3	**40 CFR 63.3090(c) or 40 CFR 63.3091(c)**
4. Organic HAP	0.01 lb per lb of coating[2]	Calendar month	EUDEADENER	SC V.1, SC V.2, SC VI.3	**40 CFR 63.3090(d) or 40 CFR 63.3091(d)**

*The permittee may choose to comply with this limit if the criteria in SC I.5 are met.

5. The permittee may choose to comply with either SC I.1 or SC I.2 may be chosen only if EUELECTROCOAT meets either of the following requirements: **(40 CFR 63.3092)**
   a. Each individual material added to EUELECTROCOAT contains no more than 1.0 percent by weight of any organic HAP and no more than 0.10 percent by weight of any listed carcinogenic organic HAP; and,
   b. The emissions from all EUELECTROCOAT bake ovens are captured and ducted to a thermal oxidizer having a minimum destruction efficiency of at least 95 percent (by weight).

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall develop and implement a work practice plan to minimize the organic HAP emissions from the storage, mixing and conveying of coatings, thinners, and cleaning materials used in, and waste materials generated by, all coating operations for which an emission limit has been established under SC I.1 through I.4. The work practice plan must specify practices and procedures to ensure that, at a minimum, the following elements are implemented consistent with the requirements of 40 CFR 63.3094. The permittee shall comply with the applicable work practice plans at all times.
   a. All organic-HAP-containing coatings, thinners, cleaning materials, and waste materials must be stored in closed containers.
   b. Spills of organic-HAP-containing coatings, thinners, cleaning materials, and waste materials must be minimized.
   c. Organic-HAP-containing coatings, thinners, cleaning materials, and waste materials must be conveyed from one location to another in closed containers or pipes.
   d. Mixing vessels, other than day tanks equipped with continuous agitation systems, which contain organic-HAP-containing coatings and other materials must be closed except when adding to, removing, or mixing the contents.
   e. Emissions of organic HAP must be minimized during cleaning of storage, mixing, and conveying equipment.
   f. Organic HAP emissions from cleaning and from purging of equipment associated with all coating operations subject to emission limits in SC I.1 through I.4 above must be minimized by addressing:
      i. Vehicle body wipe pursuant to 40 CFR 63.3094(c)(1)(i);
      ii. Coating line purging pursuant to 40 CFR 63.3094(c)(1)(ii);
      iii. Coating system flushing pursuant to 40 CFR 63.3094(c)(1)(iii);
      iv. Cleaning of spray booth grates pursuant to 40 CFR 63.3094(c)(1)(iv);
      v. Cleaning of spray booth walls pursuant to 40 CFR 63.3094(c)(1)(v);
      vi. Cleaning of spray booth equipment pursuant to 40 CFR 63.3094(c)(1)(vi);
      vii. Cleaning of external spray booth areas pursuant to 40 CFR 63.3094(c)(1)(vii);
      viii. Additional housekeeping measures pursuant to 40 CFR 63.3094(c)(1)(viii).

   The permittee may choose to comply with an alternative to the work practice standard, after receiving prior approval from the USEPA in accordance with 40 CFR 63.6(g). **(40 CFR 63.3100(c), 40 CFR 63.4493(b) & (c))**

2. The work practice plan shall not become part of the facility's Renewable Operating Permit. Revisions to the work practice plan likewise do not represent revisions to the facility's Renewable Operating Permit. Copies of the current work practice plan and any earlier plan developed within the past five years are required to be made available for inspection and copying by the Air Quality Division upon request.[2] **(40 CFR 63.3094)**

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. The permittee shall perform the applicable performance tests and compliance demonstrations in accordance with 40 CFR 63.3160-3161, 40 CFR 63.3163-3164, 40 CFR 63.3170-3171, and 40 CFR 63.3173. **(40 CFR Part 63, Subpart IIII)**

2. The permittee shall determine the mass fraction of each organic HAP for each material used according to the procedures established under 40 CFR 63.3151(a)(1) through (5). The permittee may use USEPA Method ALT-017 as an alternative for any material used, after demonstrating that its use as an alternative test methodology for that material, has been approved by the USEPA pursuant to the requirements of 40 CFR 63.3151(a)(3) and 40 CFR 63.7. **(40 CFR 63.7, 40 CFR 63.3151)**

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall compile all required records and complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the end of the calendar month following each compliance period unless otherwise specified in any monitoring/recordkeeping condition. **(R 336.1213)**

2. The permittee shall conduct an initial compliance demonstration for the initial compliance period described in 40 CFR 63.150-3151, 40 CFR 63.3160-3161, and 40 CFR 63.3170-3171. The initial compliance period begins on the applicable compliance date specified in 40 CFR 63.3083 and ends on the last day of the month following the compliance data. If the initial date occurs on any day other than the first day of a month, then the initial compliance period extends through the end of that month plus the next month.[2] **(40 CFR 63.3150, 40 CFR 63.3160, 40 CFR 63.3170, 40 CFR 63.3083(a) & (b))**

3. The permittee shall keep all records as required by 40 CFR 63.3130 in the format and timeframes outlined in 40 CFR 63.3131.[2] **(40 CFR 63.3130, 40 CFR 63.3131)**

4. The permittee shall maintain, at a minimum, the following records as of the applicable compliance date:
   a. A copy of each notification and report that is submitted to comply with 40 CFR Part 63, Subpart IIII and the documentation supporting each notification and report as specified in 40 CFR 63.3130(a). **(40 CFR 63.3130(a))**
   b. A current copy of information provided by materials suppliers or manufactures, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP for each coating, thinner and cleaning material, the density for each coating and thinner, and the volume fraction of coating solids for each coating. **(40 CFR 63.3130(b))**
   c. Monthly records of the following:
      i. For each coating or thinner used in FGMACTIIIIAUTOASSEMBLY, the volume used each month, the mass fraction organic HAP content, the density and the volume fraction of solids. **(40 CFR 63.3130(c))**
      ii. For each material used in EUDEADENER and EUSEALERS&ADHES, the mass used in each month and the mass organic HAP content. **(40 CFR 63.3130(c))**
      iii. Calculations of the organic HAP emission rate for FGMACTIIIIAUTOASSEMBLY in pounds per gallon of applied coating solids. If the permittee chooses to comply with the option identified in SC I.5.a., a record shall be kept of the weight fraction of each organic HAP in each material added to EUELECTROCOAT. These calculations and records must include all raw data, algorithms, and intermediate calculations. If the "Protocol for Determining Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations" EPA-450/3-88-018 (Docket ID No. OAR-2002-0093 and Docket ID No. A-2001-22), is used, all data input to this protocol must be recorded. If these data are maintained as electronic files, the electronic files, as well as any paper copies must be maintained. **(40 CFR 63.3130(c), 40 CFR 63.3163, 40 CFR 63.3173)**
      iv. Calculation of the average monthly mass organic HAP content in pounds per pound of coating, separately for EUDEADENER and EUSEALERS&ADHES. **(40 CFR 63.3130(c), 40 CFR 63.3152)**
      v. The name, volume, mass fraction organic HAP content and density of each cleaning material used. **(40 CFR 63.3130(d), (e) & (f))**

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 all semiannual compliance reports as required by 40 CFR 63.3120(a). The first time period covered by these reports shall be shortened so as to end on either June 30 or December 31, whichever comes first. These reports shall be due March 15 for the reporting period July 1 to December 31 and September 15 for the reporting period January 1 to June 30.[2] **(40 CFR 63.3120(a))**

5. The permittee shall submit the semiannual compliance report required in SC VII.4 to the EPA via the CEDRI. The CEDRI interface can be accessed through the EPA's CDX (https://cdx.epa.gov/). The permittee must use the appropriate electronic template on the CEDRI Web for this subpart or an alternate electronic file format consistent with the XML schema listed on the CEDRI website (https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri). **(40 CFR 63.3120(f))**

6. The permittee shall submit applicable notifications specified in 40 CFR 63.7(b) and (c), 63.8(f)(4) and 63.9(b) through (e) and (h), as specified in 40 CFR 63.3110. **(40 CFR Part 63, Subparts A and IIII)**

7. For any coating operation, the permittee shall submit all performance test reports for transfer efficiency tests as required by 40 CFR 63.3120(b). **(40 CFR 63.3120(b))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart IIII for Surface Coating of Automobiles and Light Duty Trucks by the initial compliance date. **(40 CFR Part 63, Subparts A and IIII)**

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

FGMACTZZZZCI≤500HP
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

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

Emission Units: EUEMERGENCYGENERATORGA, EUEMERGENCYGENERATORPAINT, EUEMERGENCYDIESELFIREPUMPLGR, EUEMERGENCYDIESELFIREPUMPBLDG23

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee must comply with the requirements in Item 1 of Table 2c of 40 CFR Part 63, Subpart ZZZZ which apply to each engine in FGMACTZZZZCI≤500HP as specified in the following:

   a. Change oil and filter every 500 hours of operation or annually, whichever comes first, except as allowed in SC III.2;

   b. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and

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

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

2. The permittee may utilize an oil analysis program in order to extend the specified oil change requirement in SC III.1. The oil analysis must be performed at the same frequency specified for changing the oil in SC III.1. **(40 CFR 63.6625(i))**

3. The permittee shall operate and maintain each engine in FGMACTZZZZCI≤500HP and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner

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

4. For each engine in FGMACTZZZZCI≤500HP, the permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply. **(40 CFR 63.6625(h))**

5. The permittee may operate each engine in FGMACTZZZZCI≤500HP for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. **(40 CFR 63.6640(f)(2))**

6. Each engine in FGMACTZZZZCI≤500HP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in **SC III.5**. The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the permittee to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. **(40 CFR 63.6640(f)(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

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

V. TESTING/SAMPLING

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

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

VI. MONITORING/RECORDKEEPING

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

1. For each engine in FGMACTZZZZCI≤500HP, the permittee shall keep in a satisfactory manner the following:

   a. A copy of each notification and report that was submitted to comply with 40 CFR Part 63, Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted,

   b. Records of the occurrence and duration of each malfunction of operation or the air pollution control and monitoring equipment,

   c. Records of performance tests and performance evaluations,

d. Records of all required maintenance performed on the air pollution control and monitoring equipment,

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

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

2. For each engine in FGMACTZZZZCI≤500HP, the permittee shall keep in a satisfactory manner, records to demonstrate continuous compliance with the operation and maintenance of the engine according to the manufacturer's emission-related operation and maintenance instructions; or develop and follow a maintenance plan that provides to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(d), 40 CFR 63.6660, 40 CFR Part 63, Subpart ZZZZ, Table 6.9)**

3. For each engine in FGMACTZZZZCI≤500HP, the permittee shall keep in a satisfactory manner, records of the maintenance conducted to demonstrate that the engine and after-treatment control device (if any) were operated and maintained according to the developed maintenance plan. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(e), 40 CFR 63.6660)**

4. The permittee shall monitor and record, the total hours of operation for each engine in FGMACTZZZZCI≤500HP on a monthly basis, and the hours of operation during emergency and non-emergency service that are recorded through the non-resettable hour meter for each engine in FGMACTZZZZCI≤500HP on a calendar year basis, in a manner acceptable to the AQD District Supervisor. The permittee shall document how many hours are spent for emergency operation including what classified the operation as emergency and how many hours are spent for non-emergency operation. The permittee shall keep all records on file and make them available to the department upon request. **(R 336.1213(3) 40 CFR 63.6655(f), 40 CFR 63.6660)**

5. The permittee shall keep, in a satisfactory manner, fuel supplier certification records or fuel sample test data, for each delivery of diesel fuel oil used in FGMACTZZZZCI≤500HP, demonstrating that the fuel meets the requirement of SC II.1. The certification or test data shall include the name of the oil supplier or laboratory, the sulfur content, and cetane index or aromatic content of the fuel oil. The permittee shall keep all records on file and make them available to the department upon request. **(R 336.1213(3), 40 CFR 1090.305)**

6. The permittee's records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). **(40 CFR 63.6660(a))**

7. As specified in 40 CFR 63.10(b)(1), the permittee must keep each record for 5-years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. **(40 CFR 63.6660(b))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

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

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

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

FGMACTZZZZCI>500HP
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), located at a major source of HAP emissions, existing emergency, compression ignition (CI) RICE greater than 500 brake hp. A RICE is existing if the date of installation is before December 19, 2002.

Emission Units: EUEMERGENCYGENERATORBUILDING66, EUEMERGENCYGENERATORELPO

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall operate and maintain each engine in FGMACTZZZZ>500HP and after-treatment control device (if any) in a manner consistent with good air pollution control practices for minimizing emissions. **(40 CFR 63.6605)**

2. For each engine in FGMACTZZZZ>500HP, the permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply. **(40 CFR 63.6625(h))**

3. The permittee may operate each engine in FGMACTZZZZ>500HP for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. **(40 CFR 63.6640(f)(2))**

4. Each engine in FGMACTZZZZ>500HP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in **SC III.3**. The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the permittee to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. **(40 CFR 63.6640(f)(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain each engine in FGMACTZZZZ>500HP with non-resettable hours meters to track the operating hours. **(R 336.1213(3))**

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

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

1. For each engine in FGMACTZZZZ>500HP, the permittee shall keep in a satisfactory manner, records of the maintenance conducted to demonstrate that the engine and after-treatment control device (if any) were operated and maintained according to the developed maintenance plan. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(e))**

2. The permittee shall monitor and record, the total hours of operation for each engine in FGMACTZZZZ>500HP on a monthly basis, and the hours of operation during emergency and non-emergency service that are recorded through the non-resettable hour meter for each engine in FGMACTZZZZ>500HP on a calendar year basis, in a manner acceptable to the AQD District Supervisor. The permittee shall document how many hours are spent for emergency operation including what classified the operation as emergency and how many hours are spent for non-emergency operation. The permittee shall keep all records on file and make them available to the department upon request. **(R 336.1213(3))**

3. The permittee shall keep, in a satisfactory manner, fuel supplier certification records or fuel sample test data, for each delivery of diesel fuel oil used in FGMACTZZZZ>500HP, demonstrating that the fuel meets the requirement of SC II.1. The certification or test data shall include the name of the oil supplier or laboratory, the sulfur content, and cetane index or aromatic content of the fuel oil. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 1090.305)**

4. The permittee's records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). **(40 CFR 63.6660(a))**

5. As specified in 40 CFR 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. **(40 CFR 63.6660(b))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

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

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

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

FGNSPSJJJJ
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

This flexible group includes new emergency spark ignition (SI) natural gas fired stationary reciprocating internal combustion engines (RICE) that have a maximum site rating of greater than or equal to 100 brake horsepower (HP) but less than 500 HP and subject to 40 CFR Part 60, Subpart JJJJ.

Emission Units: EUEMERGENCYGENERATORLOC, EUEMERGENCYGENERATORSTAMPING

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NOx	2.0 g/hp-hr Or 160 ppmvd @15% O_2	Hourly	EUEMERGENCYGENERATORLOC, EUEMERGENCYGENERATORSTAMPING	SC V.1, SC VI.4	**40 CFR 60.4233(e) Table 1**
2. CO	4.0 g/hp-hr Or 540 ppmvd @15% O_2	Hourly	EUEMERGENCYGENERATORLOC, EUEMERGENCYGENERATORSTAMPING	SC V.1, SC VI.4	**40 CFR 60.4233(e) Table 1**
3. VOC	1.0 g/hp-hr Or 86 ppmvd @ 15% O_2	Hourly	EUEMERGENCYGENERATORLOC, EUEMERGENCYGENERATORSTAMPING	SC V.1, SC VI.4	**40 CFR 60.4233(e) Table 1**

II. MATERIAL LIMIT(S)

1. The permittee shall burn only pipeline quality natural gas in FGNSPSJJJJ. **(R 336.1213(3), R 336.1205(1)(a), 40 CFR 60.4230)**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. No later than 60 days after issuance of this permit, the permittee shall submit to the AQD District Supervisor, for review and approval, a preventative maintenance / malfunction abatement plan (PM / MAP) for FGNSPSJJJJ. After approval of the PM / MAP by the AQD District Supervisor, the permittee shall not operate FGNSPSJJJJ unless the PM / MAP, or an alternate plan approved by the AQD District Supervisor, is implemented and maintained. The plan shall incorporate procedures recommended by the equipment manufacturer as well as incorporating standard industry practices. At a minimum the plan shall include:
   a. Identification of the equipment and, if applicable, air-cleaning device and the supervisory personnel responsible for overseeing the inspection, maintenance, and repair
   b. Description of the items or conditions to be inspected and frequency of the inspections or repairs.
   c. Identification of the equipment and, if applicable, air-cleaning device, operating parameters that shall be monitored to detect a malfunction or failure, the normal operating range of these parameters and a description of the method of monitoring or surveillance procedures.

d. Identification of the major replacement parts that shall be maintained in inventory for quick replacement.
e. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If the plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the plan within 45 days after such an event occurs and submit the revised plan for approval to the AQD District Supervisor. Should the AQD determine the PM / MAP to be inadequate, the AQD District Supervisor may request modification of the plan to address those inadequacies. **(R 336.1213(3), R 336.1205, R 336.1702(a), R 336.1910, R 336.1911, R 336.1912, R 336.2803, R 336.2804, 40 CFR 52.21 (c) & (d))**

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

3. The permittee may operate each engine in FGNSPSJJJJ for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating the Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per year. **(40 CFR 60.4243(d)(2))**

4. Each engine in FGNSPSJJJJ may operate up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing as provided in SC III.4. Except as provided in 40 CFR 60.4243(d)(3)(i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for the permittee to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 60.4243(d)(3)**

5. The permittee shall operate and maintain each engine in FGNSPSJJJJ such that it meets the emission limits in SC I.1, I.2, and I.3 over the entire life of the engine. **(40 CFR 60.4234, 40 CFR 60.4243(b))**

6. If the permittee purchased a certified engine, according to procedures specified in 40 CFR Part 60, Subpart JJJJ, for the same model year, the permittee shall meet the following requirements for FGNSPSJJJJ:
   a. Operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions,
   b. May only adjust engine settings according to and consistent with the manufacturer's emission-related written instructions,
   c. Meet the requirements as specified in 40 CFR 1068 Subparts A through D.

   If the permittee does not operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine and be subject to SC III.4. **(40 CFR 60.4243(b)(1))**

7. If the permittee purchased a non-certified engine or a certified engine operating in a non-certified manner, the permittee shall keep a maintenance plan for FGNSPSJJJJ and shall, to the extent practicable, maintain and operate each engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 60.4242(b)(2))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

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

2. The permittee shall equip and maintain each engine in FGNSPSJJJJ with non-resettable hours meters to track the operating hours. **(R 336.1213(3), R 336.1205(1)(a) & (3), R 336.1225, 40 CFR 60.4237)**

3. It is expected that air-to-fuel ratio (AFR) controllers will be used with the operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. **(40 CFR 60.4243(g))**

V. TESTING/SAMPLING

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

1. The permittee shall conduct an initial performance test for FGNSPSJJJJ within one year after startup of the engine to demonstrate compliance with the emission limits in 40 CFR 60.4233(e), unless the engines have been certified by the manufacturer as required by 40 CFR Part 60, Subpart JJJJ and the permittee maintains the engine as required by 40 CFR 60.4243(b)(1). If a performance test is required, the performance tests shall be conducted according to 40 CFR 60.4244. No less than 30 days prior to testing, a complete test plan shall be submitted to the AQD. The final plan must be approved by the AQD prior to testing. Verification of emission rates includes the submittal of a complete report of the test results to the AQD within 60 days following the last date of the test. **(40 CFR 60.4243, 40 CFR 60.4244, 40 CFR Part 60, Subpart JJJJ)**

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the 30th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1213(3), R 336.1205(1)(a) & (3), R 336.2803, R 336.2804, 40 CFR 52.21(c) & (d))**

2. The permittee shall keep records of the hours of operation for FGNSPSJJJJ through a non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. **(40 CFR 60.4245(b))**

3. The permittee shall monitor and record the hours of operation of each engine in FGNSPSJJJJ during emergencies and non-emergencies, on a monthly, 12-month rolling, and calendar year basis, in a manner acceptable to the District Supervisor, Air Quality Division. The permittee shall record the time of operation of each engine in FGNSPSJJJJ and the reason it was in operation during that time. **(R 336.1213(3), R 336.1205(1)(a) & (3), 40 CFR 60.4243)**

4. The permittee shall keep records of all notifications submitted to comply with this subpart and all documentation supporting any notification. **(40 CFR 60.4245(a)(1))**

5. The permittee shall keep records of maintenance conducted to demonstrate compliance. **(40 CFR 60.4243(a)(2), 60.4245(2))**

6. The permittee shall keep records of documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable. **(40 CFR 60.4245(a)(3))**

7. If any engine in FGNSPSJJJJ is not a certified engine or a certified engine is operating in a non-certified manner and subject to 40 CFR 60.4243(a)(2), documentation that the engine meets the emission standards. **(40 CFR 60.4245(a)(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)

1. The permittee shall comply with all applicable provisions of the New Source Performance Standards, as specified in 40 CFR Part 60, Subpart A and Subpart JJJJ, as they apply to each affected emergency engine. **(40 CFR Part 60, Subparts A and JJJJ)**

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

FGCOLDCLEANERS
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

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

Emission Units: EUPARTSWASHER#1, EUPARTSWASHER#2, EUPARTSWAHER#3, EUPARTSWASHER#4, EUPARTSWASHER#5, EUPARTSWASHER#6, EUPARTSWASHER#9, EUPARTSWASHER#11, EUPARTSWASHER#12, EUPARTSWASHER#13, EUPARTSWASHER#14, EUPARTSWASHER#15, EUPARTSWASHER#16, EUPARTSWASHER#17, EUPARTSWASHER#19, EUPARTSWASHER#20, EUPARTSWASHER#21, EUPARTSWASHER#22, EUPARTSWASHER#23

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Cleaned parts shall be drained for no less than 15 seconds or until dripping ceases. **(R 336.1611(2)(b), R 336.1707(3)(b))**

2. The permittee shall perform routine maintenance on each cold cleaner as recommended by the manufacturer. **(R 336.1213(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The cold cleaner must meet one of the following design requirements:
   a. The air/vapor interface of the cold cleaner is no more than ten square feet. **(R 336.1281(2)(h))**
   b. The cold cleaner is used for cleaning metal parts and the emissions are released to the general in-plant environment. **(R 336.1285(2)(r)(iv))**

2. The cold cleaner shall be equipped with a device for draining cleaned parts. **(R 336.1611(2)(b), R 336.1707(3)(b))**

3. All new and existing cold cleaners shall be equipped with a cover and the cover shall be closed whenever parts are not being handled in the cold cleaner. **(R 336.1611(2)(a), R 336.1707(3)(a))**

4. The cover of a new cold cleaner shall be mechanically assisted if the Reid vapor pressure of the solvent is more than 0.3 psia or if the solvent is agitated or heated. **(R 336.1707(3)(a))**

5. If the Reid vapor pressure of any solvent used in a new cold cleaner is greater than 0.6 psia; or, if any solvent used in a new cold cleaner is heated above 120 degrees Fahrenheit, then the cold cleaner must comply with at least one of the following provisions:
   a. The cold cleaner must be designed such that the ratio of the freeboard height to the width of the cleaner is equal to or greater than 0.7. **(R 336.1707(2)(a))**
   b. The solvent bath must be covered with water if the solvent is insoluble and has a specific gravity of more than 1.0. **(R 336.1707(2)(b))**
   c. The cold cleaner must be controlled by a carbon adsorption system, condensation system, or other method of equivalent control approved by the AQD. **(R 336.1707(2)(c))**

V. TESTING/SAMPLING

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 years. **(R 336.1213(3)(b)(ii))**

1. For each new cold cleaner in which the solvent is heated, the solvent temperature shall be monitored and recorded at least once each calendar week during routine operating conditions. **(R 336.1213(3))**

2. The permittee shall maintain the following information on file for each cold cleaner: **(R 336.1213(3))**
   a. A serial number, model number, or other unique identifier for each cold cleaner.
   b. The date the unit was installed, manufactured or that it commenced operation.
   c. The air/vapor interface area for any unit claimed to be exempt under Rule 281(2)(h).
   d. The applicable Rule 201 exemption.
   e. The Reid vapor pressure of each solvent used.
   f. If applicable, the option chosen to comply with Rule 707(2).

3. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component, used in each cold cleaner. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1213(3))**

4. 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))**

5. 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 no more than 20 percent, by weight, is allowed to evaporate into the atmosphere shall be made on a monthly basis. **(R 336.1213(3), R 336.1611(2)(c), R 336.1707(3)(c))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

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

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

E. NON-APPLICABLE REQUIREMENTS

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

APPENDICES

Appendix 1. Acronyms and Abbreviations

Common Acronyms		Pollutant / Measurement Abbreviations	
AQD	Air Quality Division	acfm	Actual cubic feet per minute
BACT	Best Available Control Technology	BTU	British Thermal Unit
CAA	Clean Air Act	°C	Degrees Celsius
CAM	Compliance Assurance Monitoring	CO	Carbon Monoxide
CEM	Continuous Emission Monitoring	CO_2e	Carbon Dioxide Equivalent
CEMS	Continuous Emission Monitoring System	dscf	Dry standard cubic foot
CFR	Code of Federal Regulations	dscm	Dry standard cubic meter
COM	Continuous Opacity Monitoring	°F	Degrees Fahrenheit
Department/ department	Michigan Department of Environment, Great Lakes, and Energy	gr	Grains
		HAP	Hazardous Air Pollutant
EGLE	Michigan Department of Environment, Great Lakes, and Energy	Hg	Mercury
		hr	Hour
EU	Emission Unit	HP	Horsepower
FG	Flexible Group	H_2S	Hydrogen Sulfide
GACS	Gallons of Applied Coating Solids	kW	Kilowatt
GC	General Condition	lb	Pound
GHGs	Greenhouse Gases	m	Meter
HVLP	High Volume Low Pressure*	mg	Milligram
ID	Identification	mm	Millimeter
IRSL	Initial Risk Screening Level	MM	Million
ITSL	Initial Threshold Screening Level	MW	Megawatts
LAER	Lowest Achievable Emission Rate	NMOC	Non-methane Organic Compounds
MACT	Maximum Achievable Control Technology	NO_x	Oxides of Nitrogen
MAERS	Michigan Air Emissions Reporting System	ng	Nanogram
MAP	Malfunction Abatement Plan	PM	Particulate Matter
MSDS	Material Safety Data Sheet	PM10	Particulate Matter equal to or less than 10 microns in diameter
NA	Not Applicable		
NAAQS	National Ambient Air Quality Standards	PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
NESHAP	National Emission Standard for Hazardous Air Pollutants	pph	Pounds per hour
		ppm	Parts per million
NSPS	New Source Performance Standards	ppmv	Parts per million by volume
NSR	New Source Review	ppmw	Parts per million by weight
PS	Performance Specification	%	Percent
PSD	Prevention of Significant Deterioration	psia	Pounds per square inch absolute
PTE	Permanent Total Enclosure	psig	Pounds per square inch gauge
PTI	Permit to Install	scf	Standard cubic feet
RACT	Reasonable Available Control Technology	sec	Seconds
ROP	Renewable Operating Permit	SO_2	Sulfur Dioxide
SC	Special Condition	TAC	Toxic Air Contaminant
SCR	Selective Catalytic Reduction	Temp	Temperature
SDS	Safety Data Sheet	THC	Total Hydrocarbons
SNCR	Selective Non-Catalytic Reduction	tpy	Tons per year
SRN	State Registration Number	µg	Microgram
TEQ	Toxicity Equivalence Quotient	µm	Micrometer or Micron
USEPA/EPA	United States Environmental Protection Agency	VOC	Volatile Organic Compounds
		yr	Year
VE	Visible Emissions		

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

Appendix 2. Schedule of Compliance

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

Appendix 3. Monitoring Requirements

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

Appendix 4. Recordkeeping

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

Appendix 5. Testing Procedures

There are no specific testing requirement plans or procedures for this ROP. Therefore, this appendix is not applicable.

Appendix 6. Permits to Install

The following table lists any PTIs issued, or ROP revision applications received since the effective date of the previously issued ROP No. MI-ROP-A1641-2017. Those ROP revision applications that are being issued concurrently with this ROP renewal are identified by an asterisk (*). Those revision applications not listed with an asterisk were processed prior to this renewal.

Source-Wide PTI No MI-PTI-A1641-2017 is being reissued as Source-Wide PTI No. MI-PTI-A1641-2024

Permit to Install Number	ROP Revision Application Number	Description of Equipment or Change	Corresponding Emission Unit(s) or Flexible Group(s)
54-17	NA	The purpose of this permit is to remove a number of exempt storage tanks from the ROP as well as modify a design/equipment condition, which should only apply to gasoline storage tanks (not other types of storage tanks).	FGSTORAGETANKS (EUGASTANK#1, EUGASTANK#2, EUGASTANK#3, EUGASTANK#4, EUMETHTANK#1 renamed EUWWFTANK#1)

Appendix 7. Emission Calculations

The permittee shall use the following calculations in conjunction with monitoring, testing or recordkeeping data to determine compliance with the applicable requirements referenced in FGMACTIIIIAUTOASSEMBLY.

HAP Calculations

HAP emission rate (lb/GACS) for each calendar month *(for use with FG-MACTIIII-AUTOASSEMBLY Special Condition Nos. I.1, I.2)*	=	$\frac{\sum_{1=1}^{zc} L_{ci} D_{ci} H_{ci} + \sum_{j=1}^{y} L_{sj} D_{sj} H_{sj}}{\sum_{i=1}^{zc} L_{ci} V_{ci} T} x\left(1 - DExN\right)$

Where:

L_{ci} = Volume of each coating "i" used during the current calendar month, gallons.
D_{ci} = Density of each coating "i" as received, pound/gallon.
V_{ci} = Proportion of solids by formula volume in each coating "i" as received, gallon solids/gallon
H_{ci} = Proportion of HAP by weight in each coating "i" as received, lb HAP/lb.
NOTE: D_{ci} and H_{ci} may be reported separately, but will normally be reported as a single value D_{ci} H_{ci} (pound HAP/gallon).
L_{sj} = Volume of each VOC dilution solvent "j" added to the coating, gallons.
D_{sj} = Density of each VOC dilution solvent "j" added to the coating, pound/gallon.
H_{sj} = Proportion of HAP by weight in dilution solvent "j" as received, lb HAP/lb.
j = An individual dilution solvent used during the calendar month.
i = An individual coating used during the calendar month.
zc = The total number of different coatings "I" used during the calendar month.
y = The total number of different dilution solvents "j".
T = Overall transfer efficiency for all coatings "I", as a fraction (per 40 CFR 393(C)).
b = Current calendar month plus 11 preceding calendar months.
DE = VOC destruction efficiency of add-on emission control device(s), if present.
N = Fraction, by weight, of total VOC emitted by EU-Guidecoat which is captured and enters the add-on emission control device(s), if present, as a fraction.

Appendix 8. Reporting

A. Annual, Semiannual, and Deviation Certification Reporting

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

B. Other Reporting

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