

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

EFFECTIVE DATE: September 21, 2021

ISSUED TO

**Magna Mirrors North America**

State Registration Number (SRN): N5056

LOCATED AT

700 South Industrial Drive, Newaygo, Newaygo County, Michigan 49337

**RENEWABLE OPERATING PERMIT**

Permit Number: MI-ROP-N5056-2021

Expiration Date: September 21, 2026

Administratively Complete ROP Renewal Application  
Due Between March 21, 2025 and March 21, 2026

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-N5056-2021

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

---

Heidi Hollenbach, Grand Rapids District Supervisor

# TABLE OF CONTENTS

- AUTHORITY AND ENFORCEABILITY ..... 3**
- A. GENERAL CONDITIONS..... 4**
  - Permit Enforceability ..... 4
  - General Provisions..... 4
  - Equipment & Design ..... 5
  - Emission Limits ..... 5
  - Testing/Sampling ..... 5
  - Monitoring/Recordkeeping ..... 6
  - Certification & Reporting ..... 6
  - Permit Shield ..... 7
  - Revisions ..... 8
  - Reopenings..... 8
  - Renewals ..... 9
  - Stratospheric Ozone Protection ..... 9
  - Risk Management Plan ..... 9
  - Emission Trading ..... 9
  - Permit to Install (PTI) ..... 10
- B. SOURCE-WIDE CONDITIONS ..... 11**
- C. EMISSION UNIT SPECIAL CONDITIONS ..... 14**
  - EMISSION UNIT SUMMARY TABLE..... 14
  - EUWETCOAT ..... 15
  - EUCLEANUP/PURGE ..... 22
  - EUGENERATOR ..... 24
- D. FLEXIBLE GROUP SPECIAL CONDITIONS..... 27**
  - FLEXIBLE GROUP SUMMARY TABLE ..... 27
  - FGCAMPLAN ..... 28
  - FGCOLDCLEANERS..... 31
- E. NON-APPLICABLE REQUIREMENTS ..... 34**
- APPENDICES ..... 35**
  - Appendix 1. Acronyms and Abbreviations ..... 35
  - Appendix 2. Schedule of Compliance..... 36
  - Appendix 3. Monitoring Requirements ..... 36
  - Appendix 4. Recordkeeping ..... 36
  - Appendix 5. Testing Procedures ..... 36
  - Appendix 6. Permits to Install..... 36
  - Appendix 7. Emission Calculations ..... 36
  - Appendix 8. Reporting ..... 36

## AUTHORITY AND ENFORCEABILITY

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

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

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

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

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

## A. GENERAL CONDITIONS

### Permit Enforceability

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

### General Provisions

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

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

## Equipment & Design

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

## Emission Limits

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

The grading of visible emissions shall be determined in accordance with Rule 303.
12. The permittee shall not cause or permit the emission of an air contaminant or water vapor in quantities that cause, alone or in reaction with other air contaminants, either of the following:
  - a. Injurious effects to human health or safety, animal life, plant life of significant economic value, or property.<sup>1</sup> **(R 336.1901(a))**
  - b. Unreasonable interference with the comfortable enjoyment of life and property.<sup>1</sup> **(R 336.1901(b))**

## Testing/Sampling

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

## Monitoring/Recordkeeping

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

## Certification & Reporting

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

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

## Permit Shield

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

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

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

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

## Revisions

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

## Reopenings

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

## Renewals

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

## Stratospheric Ozone Protection

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

## Risk Management Plan

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

## Emission Trading

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

## Permit to Install (PTI)

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

### **Footnotes:**

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

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

## **B. SOURCE-WIDE CONDITIONS**

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

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

## 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

The prime-coat portion of EUWETCOAT is controlled by a regenerative thermal oxidizer, RTO No. 2. The base-coat and clear-coat portion of EUWETCOAT are controlled by a regenerative thermal oxidizer, RTO No. 1. Emissions from cleanup within the paint kitchen are uncontrolled while the release of purge solvents within each of the three (3) paint booths are controlled by RTO No. 1 and RTO. No. 2. All three (3) spray booths utilize downdraft water wash particulate control.

### I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Each Individual HAP	Less than 10.0 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each calendar month	All process equipment at the stationary source including equipment covered by other permits, grandfathered equipment, and exempt equipment.	SC VI.2	R 336.1205(2)
2. Aggregate HAPs	Less than 25.0 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each calendar month	All process equipment at the stationary source including equipment covered by other permits, grandfathered equipment, and exempt equipment.	SC VI.2	R 336.1205(2)

### 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 permittee shall determine the HAP content of any coating, conductive prep solution, reducer, clean-up and/or purge solvent, or other material, as applied or otherwise used, and as received, using manufacturer's formulation data. Upon request of the AQD District Supervisor, the permittee shall verify the manufacturer's HAP formulation data using EPA Test Method 311.<sup>2</sup> **(R 336.1205(2))**

## **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 and make them available by the 15<sup>th</sup> day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> **(R 336.1205(2))**
2. The permittee shall keep the following information on a calendar month basis:<sup>2</sup> **(R 336.1205(2))**
  - a. Gallons or pounds of each HAP containing material used.
  - b. Where applicable, gallons or pounds of each HAP containing material reclaimed.
  - c. HAP content, in pounds per gallon or pounds per pound, of each HAP containing material used.
  - d. Individual and aggregate HAP emission calculations determining the monthly emission rate of each in tons per calendar month.
  - e. Individual and aggregate HAP emission calculations determining the annual emission rate of each in tons per 12-month rolling time period as determined at the end of each calendar month.

## **VII. REPORTING**

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

See Appendix 8

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

NA

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

NA

### **Footnotes:**

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

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

### 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
EUWETCOAT	One conveyORIZED coating line with automatic robots with electrostatic and HVLP applicators used for the surface coating of automotive plastic and metal parts. The parts pass through an aqueous wash line, drying oven, a prime coat spray booth equipped with a separate Regenerative Thermal Oxidizer (RTO No. 2) control system and an uncontrolled prime bake oven. The parts pass next through one base coat spray booth and one clear coat spray booth, each with recirculating air flow with a portion of return air exhausting to RTO No. 1, and a final uncontrolled bake oven. All three spray booths utilize downdraft water wash particulate control.	10-01-1993 / 06-17-1994 / 11-29-2000 / 04-2010 / and 05-11-2011	FGCAMPLAN
EUCLEANUP/ PURGE	VOC emissions from the use of purge and cleanup solvents in the paint kitchen, paint recirculation lines, paint booth line and applicator purge, and paint booth cleanup. The emissions released within each of the three paint spray booths associated with this are controlled by RTO No. 1 and RTO No. 2.	10-01-1993 / 06-17-1994 / 11-29-2000 / 04-2010 / and 05-11-2011	FGCAMPLAN
EUPARTWASH	Cold cleaner used in maintenance areas to clean various parts and tools.	7-1-1995/NA	FGCOLDCLEANERS
EUGENERATOR	A 464BHP (250 kilowatts (kW)) diesel-fueled emergency generator with a model year of 2011 or later, and a displacement of 8.9 liters / cylinder.	7-18-2019	NA

**EUWETCOAT  
 EMISSION UNIT CONDITIONS**

**DESCRIPTION**

One conveyerized coating line with automatic robots with electrostatic and HVLP applicators used for the surface coating of automotive plastic and metal parts. The parts pass through an aqueous wash line, drying oven, a prime coat spray booth equipped with a separate Regenerative Thermal Oxidizer (RTO No. 2) control system and an uncontrolled prime bake oven. The parts pass next through a base coat spray booth and a clear coat spray booth, each with recirculating air flow with a portion of return air exhausting to RTO No. 1, and a final uncontrolled bake oven. All three (3) spray booths utilize downdraft water wash particulate control.

**Flexible Group ID:** FGCAMPLAN

**POLLUTION CONTROL EQUIPMENT**

Water wash system, RTO No. 2 for the prime coat spray booth, recirculation / RTO No. 1 for the basecoat and clearcoat spray booths.

**I. EMISSION LIMIT(S)**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period/ Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring/ Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. VOC	130.0 tpy <sup>2</sup>	Based on a 12-month rolling time period as determined at the end of each calendar month	EUWETCOAT	SC.VI.2	<b>R 336.1205 R 336.1225 R 336.1702(a)</b>
2. VOC and Acetone Combined	5.2 pph <sup>2</sup>	Hourly	EUWETCOAT Thermal Oxidizer No. 1 Outlet	SC.VI.2	<b>R 336.1702(a) R 336.1910</b>
3. Acetone [CAS # 67-64-1]	13.6 tpy <sup>1</sup>	Based on a 12-month rolling time period as determined at the end of each calendar month	EUWETCOAT	SC.VI.2	<b>R 336.1224</b>
4. Formaldehyde [CAS # 50-00-0]	1.37 pph <sup>1</sup>	Hourly	EUWETCOAT	SC.VI.4	<b>R 336.1225</b>
5. Basecoat Uncontrolled Total Formaldehyde Content	0.63 percent by weight <sup>1</sup>	Instantaneous	EUWETCOAT	SC.VI.4	<b>R 336.1225</b>
6. Clearcoat Uncontrolled Total Formaldehyde Content	0.39 percent by weight <sup>1</sup>	Instantaneous	EUWETCOAT	SC.VI.4	<b>R 336.1225</b>
7. Primer Uncontrolled Total Formaldehyde Content	0.70 percent by weight <sup>1</sup>	Instantaneous	EUWETCOAT	SC.VI.4	<b>R 336.1225</b>
8. Dibasic Ester* [CAS # 95481-62-2]	0.78 pph <sup>1</sup>	Hourly	EUWETCOAT	SC.VI.5	<b>R 336.1225</b>

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
9. Cumene [CAS # 98-82-8]	0.40 pph <sup>1</sup>	Hourly	EUWETCOAT	SC.VI.5	<b>R 336.1225</b>
10. Ethyl Benzene [CAS # 100-41-4]	2.96 pph <sup>1</sup>	Pounds per hour	EUWETCOAT	SC.VI.5	<b>R 336.1225</b>
11. Dibasic Ester* [CAS # 95481-62-2]	3,390 ppy <sup>1</sup>	Based on a 12-month rolling time period as determined at the end of each calendar month	Prime coat spray booth and prime bake oven	SC.VI.5	<b>R 336.1225</b>
12. Dibasic Ester* [CAS # 95481-62-2]	1,891 ppy <sup>1</sup>	Based on a 12-month rolling time period as determined at the end of each calendar month	Base coat spray booth, clear coat spray booth, and final bake oven	SC.VI.5	<b>R 336.1225</b>
13. Cumene [CAS # 98-82-8]	3,258 ppy <sup>1</sup>	Based on a 12-month rolling time period as determined at the end of each calendar month	Prime coat spray booth and prime bake oven	SC.VI.5	<b>R 336.1225</b>
14. Cumene [CAS # 98-82-8]	3,587 ppy <sup>1</sup>	Based on a 12-month rolling time period as determined at the end of each calendar month	Base coat spray booth, clear coat spray booth, and final bake oven	SC.VI.5	<b>R 336.1225</b>
15. Ethyl Benzene [CAS # 100-41-4]	9,986 ppy <sup>1</sup>	Based on a 12-month rolling time period as determined at the end of each calendar month	Prime coat spray booth and prime bake oven	SC.VI.5	<b>R 336.1225</b>
16. Ethyl Benzene [CAS # 100-41-4]	10,014 ppy <sup>1</sup>	Based on a 12-month rolling time period as determined at the end of each calendar month	Base coat spray booth, clear coat spray booth, and final bake oven	SC.VI.5	<b>R 336.1225</b>

\*Dibasic Ester emission rate shall be determined based on the sum of dimethyl glutarate, dimethyl succinate, and dimethyl adipate emissions.

**II. MATERIAL LIMIT(S)**

- The permittee shall not exceed the material usage rates or the melamine resin and free formaldehyde [CAS # 50-00-0] content limits listed in the following table for EUWETCOAT.<sup>1</sup> (**R 336.1225**)

Material	Limit	Time Period/ Operating Scenario	Maximum Melamine Resin Content (wt %)	Maximum Free Formaldehyde Content (wt %)	Monitoring/ Testing Method	Underlying Applicable Requirements
2. Primer containing melamine resin	46,043 (gallons per year) <sup>1</sup>	Based on a 12-month rolling time period as determined at the end of each calendar month	34.15	0.1	SC VI.4	<b>R 336.1225</b>

Material	Limit	Time Period/ Operating Scenario	Maximum Melamine Resin Content (wt %)	Maximum Free Formaldehyde Content (wt %)	Monitoring/ Testing Method	Underlying Applicable Requirements
3. Basecoat containing melamine resin	53,296 (gallons per year) <sup>1</sup>	Based on a 12-month rolling time period as determined at the end of each calendar month	30.00	0.1	SC VI.4	<b>R 336.1225</b>
4. Clearcoat containing melamine resin	55,859 (gallons per year) <sup>1</sup>	Based on a 12-month rolling time period as determined at the end of each calendar month	16.78	0.1	SC VI.4	<b>R 336.1225</b>

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

1. The permittee shall not operate the coating line unless the recirculation/RTO No. 1 and RTO No. 2 control systems are installed, maintained, and operated in a satisfactory manner.<sup>2</sup> **(R 336.1910, R 336.1205, R 336.1225, R 336.1702(a))**
2. The permittee shall not operate the coating line unless the recirculation/RTO No. 1 and RTO No. 2 control system maintains a minimum VOC destruction efficiency of 95 percent (by weight) across each RTO and overall VOC emissions capture efficiency for the prime coat, base coat, and clear coat spray booths of not less than 80 percent.<sup>2</sup> **(R 336.1205, R 336.1225, R 336.1702(a))**
3. The permittee shall not operate the coating line unless a minimum combustion temperature of 1400°F and a minimum retention time of 0.5 seconds in both RTO No. 1 and RTO No. 2, individually, are maintained.<sup>2</sup> **(R 336.1205, R 336.1225, R 336.1702(a))**
4. The permittee shall not operate any of the paint spray booths unless:
  - a. The respective water wash control systems are installed and operating properly.<sup>2</sup> **(R 336.1205, R 336.1910)**
  - b. The permittee equips and maintains the plastic and metal parts coating process with automatic robots with electrostatic and HVLP applicators or equivalent technology with comparable coating transfer efficiency. For HVLP applicators, the permittee shall keep test caps available for pressure testing.<sup>2</sup> **(R 336.1205, R 336.1702(a))**
5. The permittee shall not operate EUWETCOAT for more than 8,000 hours per 12-month rolling time period as determined at the end of each calendar month. EUWETCOAT shall be considered as operating whenever parts are being coated and/or cured in the prime coat spray booth, the prime bake oven, the base coat spray booth, the clear coat spray booth, or the final bake oven.<sup>2</sup> **(R 336.1205, R 336.1702(a))**

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

NA

## **V. TESTING/SAMPLING**

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

1. To determine Daily and Monthly VOC emissions, the VOC content, water and exempt solvent content, density of any coating, conductive prep solution, reducer, cleanup and purge solvent, as applied shall be tested using Method 24. The VOC content for coatings shall be determined from the Facility Mix Sheet\* supported by the Manufacturer's Specification Sheet\*\*, derived from Method 24 analysis on a batch specific basis. Alternatively, the VOC content may be determined from manufacturer's formulation data, derived from Method 24 analysis on a batch specific basis, with written approval by the AQD District Supervisor.<sup>2</sup> **(R 336.1702(a), R 336.1213(3))**

\*\*The coating Manufacturer's Specification Sheet is coating batch specific and documents the actual coating density, non-volatile material content, resistivity, viscosity, and gloss.

2. The most recent Facility Mix Sheet and Manufacturer's Specification Sheet shall be kept on site and be available for all "in Use" and stand-by coating batches, or within 10 business days from when new coatings are put into use.<sup>2</sup> **(R 336.1702(a), R 336.1225, R 336.1213(3))**

\*The Facility Mix Sheet is developed by Magna Mirrors Corporation to show the mix of paint, thinner, and catalyst for each coating, based on the Manufacturer's Specification Sheet and the computed VOC content.

3. The permittee shall verify the destruction efficiency of each RTO (RTO Nos. 1 and 2) by testing at the owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method. 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)**
4. The permittee shall verify the destruction efficiency emission rates from each RTO (RTO Nos. 1 and 2) 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)**
5. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 7 days before testing of the time and place performance tests will be conducted. **(R 336.1213(3))**

**See Appendix 5**

## **VI. MONITORING/RECORDKEEPING**

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

1. The permittee shall monitor and record the temperature in the combustion chamber of each RTO individually with a continuous temperature monitor or in a manner and with instrumentation acceptable to the AQD District Supervisor. Continuous temperature data recording shall consist of measurements made at equally spaced intervals, not to exceed 15 minutes per interval.<sup>2</sup> **(R 336.1205, R 336.1225, R 336.1702(a))**
2. For the entire line, the permittee shall maintain individual records and calculations in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request:<sup>2</sup> **(R 336.1205, R 336.1213(3), R 336.1224, R 336.1225, R 336.1702(a))**
  - a. The VOC and acetone mass emission rates in tons per 12-month rolling time period as determined at the end of each calendar month.
  - b. The density and VOC content in pounds per gallon, minus water and exempt solvents, as applied, of all coatings.

- c. The density and VOC content of any conductive prep solution, diluents, or reducers determined as specified in SC V.1.
  - d. The daily usage rate of each coating, catalyst, conductive prep solution, diluents and reducers.
  - e. The daily hours of operation, and a log of the EUWETCOAT hours of operation per month and per 12-month rolling time period as determined at the end of each calendar month.
  - f. The amount of waste paint captured and disposed of in an acceptable manner.
3. For each coating sprayed, the permittee shall maintain the following individual records and calculations in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request:<sup>2</sup> **(R 336.1205, R 336.1213(3), R 336.702(a))**
- a. The calculations for the prime, base, and clearcoat booths shall account for the capture and destruction efficiency of each RTO.
  - b. The Facility Mix Sheet and manufacturer's technical data sheet for in-use and stand-by (open but not fully consumed) coating batches.
  - c. The VOC content as determined through Facility Mix Sheets and manufacturer's technical data sheets, shall be deemed equivalent to Method 24 data without foreclosing permittee's opportunity to actually perform its own Method 24.
  - d. If an applied coating is tested by a federal reference Method 24 analysis and determined by the Facility Mix Sheets, and the results are different, then the Method 24 analysis results shall be used for determining compliance with the emission limit.
4. On a calendar month basis, the permittee shall maintain the following information in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request:<sup>1</sup> **(R 336.1225)**
- a. Coating free formaldehyde content shall be determined for all coatings containing free formaldehyde. Free formaldehyde content shall be determined based on manufacturer's current material safety data sheets, environmental data sheets, and/or formulation data, determined on an as received basis.
  - b. Coating melamine resin content shall be determined for all coatings containing melamine resin. Melamine resin content shall be determined based on manufacturer's current material safety data sheets, environmental data sheets, and/or formulation data, determined on an as received basis.
  - c. The monthly and annual coating usage totals for basecoats, clearcoats, and primers containing melamine resin in gallons per month and gallons per year based on a 12-month rolling time period as determined at the end of each month, on an as received basis.
5. On a calendar month basis, the permittee shall maintain the following information in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request:<sup>1</sup> **(R 336.1225)**
- a. The monthly and annual coating usage totals for each dibasic ester [CAS # 95481-62-2], cumene [CAS # 98-82-8], and ethyl benzene [CAS # 100-41-4] containing material, determined on an as received basis.
  - b. The dibasic ester [CAS # 95481-62-2] content, cumene [CAS # 98-82-8] content, or ethyl benzene [CAS # 100-41-4] content of a coating shall be determined from the manufacturer's current material safety data sheet, environmental data sheets, and/or formulation data, on an as received basis. Dibasic ester content shall be determined from the sum of the dimethyl glutarate [CAS # 1119-40-0], dimethyl succinate [CAS # 106-65-0], and dimethyl adipate [CAS # 627-93-0] content of a coating based on the manufacturer's current material safety data sheet, environmental data sheets, and/or formulation data.
  - c. Dibasic ester [CAS # 95481-62-2], cumene [CAS # 98-82-8], and ethyl benzene [CAS # 100-41-4] mass emission calculations determining the monthly emission rate of each contaminant in pounds per calendar month.

- d. Dibasic ester [CAS # 95481-62-2], cumene [CAS # 98-82-8], and ethyl benzene [CAS # 100-41-4] mass emission calculations determining the annual emission rate in pounds per 12-month rolling time period of each contaminant as determined at the end of each calendar month.

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit any performance test reports to the AQD Technical Programs Unit and District Office, in a format approved by the AQD. **(R 336.1213(3)(c), R 336.2001(5))**
5. The permittee shall notify the Department if a change in land use occurs for property classified as industrial or as a public roadway, because this classification was relied upon to demonstrate compliance with Rule 225(1) for formaldehyde. The permittee shall submit the notification to the AQD District Supervisor, within 30 days of the actual land use change. Within 60 days of the land use change, the permittee shall submit to the AQD District Supervisor, a plan for complying with the requirements of Rule 225(1). The plan shall require compliance with Rule 225(1) no later than one year after the due date of the plan submittal.<sup>1</sup> **(R 336.1225(1), R 336.1225(2), R 336.1225(3), R 336.1225(4))**

See Appendix 8

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

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

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-RTO-02	56 <sup>2</sup>	36 <sup>2</sup>	R 336.1225, R336.1901, R 336.2803, R 336.2804, 40 CFR 52.21(c) & (d)
2. SV-PRIMEFLASH	18 <sup>2</sup>	54 <sup>2</sup>	R 336.1225, R336.1901, R 336.2803, R 336.2804, 40 CFR 52.21(c) & (d)
3. SV-PRIMEOVEN	8 <sup>2</sup>	54 <sup>2</sup>	R 336.1225, R336.1901, R 336.2803, R 336.2804, 40 CFR 52.21(c) & (d)
4. SV-RTO-01	28 <sup>2</sup>	46 <sup>2</sup>	R 336.1225, R336.1901, R 336.2803, R 336.2804, 40 CFR 52.21(c) & (d)
5. SV- FINALOVEN CB	18 <sup>2</sup>	54 <sup>2</sup>	R 336.1225, R336.1901, R 336.2803, R 336.2804, 40 CFR 52.21(c) & (d)
6. SV-FINALOVEN	9 <sup>2</sup>	54 <sup>2</sup>	R 336.1225, R336.1901, R 336.2803, R 336.2804, 40 CFR 52.21(c) & (d)

**IX. OTHER REQUIREMENT(S)**

1. The permittee shall implement and maintain the Malfunction Abatement Plan (MAP) for EUWETCOAT.<sup>2</sup> **(R 336.1911)**
2. The permittee must maintain and make available for inspection records of all elements in the MAP verifying the date procedures specified in the plan are performed.<sup>2</sup> **(R 336.1911)**
3. The permittee shall review and update the MAP on an as needed basis. Any changes to the plan shall be submitted to the AQD District Supervisor for approval.<sup>2</sup> **(R 336.1911)**

**Footnotes:**

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

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

**EUCLEANUP/PURGE  
 EMISSION UNIT CONDITIONS**

**DESCRIPTION**

VOC emissions from the use of purge and cleanup solvents in the paint kitchen, paint recirculation lines, paint booth line and applicator purge, and paint booth cleanup. The emissions released within each of the three paint spray booths associated with this EU are controlled by RTO No. 1 and RTO No. 2.

**Flexible Group ID:** FGCAMPLAN

**POLLUTION CONTROL EQUIPMENT**

Water wash system, RTO No. 2 for the prime coat spray booth, recirculation / RTO No. 1 for the basecoat and clearcoat spray booths.

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	11.25 pounds per hour <sup>2</sup>	Based on a calendar month averaging time period	EUCLEANUP/PURGE	SC VI.1 SC VI.2	<b>R 336.1205</b> <b>R 336.1225</b> <b>R 336.1702(a)</b>
2. VOC	22.5 tons per year <sup>2</sup>	Based on a 12-month rolling time period as determined at the end of each calendar month	EUCLEANUP/PURGE	SC VI.1 SC VI.2	<b>R 336.1205</b> <b>R 336.1225</b> <b>R 336.1702(a)</b>

**II. MATERIAL LIMIT(S)**

NA

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

1. The permittee shall capture all waste (purge, waste coatings and cleanup solvents) and shall store them in closed containers. The permittee shall dispose of all waste (purge, waste coatings and cleanup solvents) in an acceptable manner in compliance with all applicable state rules and federal regulations.<sup>2</sup> **(R 336.1702(a))**
2. The permittee shall handle all VOC containing materials, including coatings, reducers, solvents and thinners, in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary.<sup>2</sup> **(R 336.1702(a))**

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

1. The permittee shall not operate EUCLEANUP/PURGE unless the gun tip purge emissions released within the prime booth are controlled by the EUWETCOAT RTO No. 2 and the basecoat / clearcoat spray booths emissions are controlled by the EUWETCOAT recirculation / RTO No. 1 control system.<sup>2</sup> **(R 336.1702(a))**

**V. TESTING/SAMPLING**

NA

**VI. MONITORING/RECORDKEEPING**

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

1. The permittee shall calculate and maintain records for:<sup>2</sup> **(R 336.1205, R 336.1702(a), R 336.1213(3))**
  - a. The monthly cleanup/purge VOC emission rate in pounds per hour based on a calendar month averaging time period and tons per year based on a 12-month rolling time period as determined at the end of each calendar month.
  - b. The amounts in gallons of cleanup and purge solvents used.
  - c. The amounts in gallons of cleanup and purge solvents captured (reclaimed).
2. The permittee shall keep records of the VOC content in pounds per gallon, as received for each purge and cleanup solvent as determined from material safety data sheets.<sup>2</sup> **(R 336.1205, R 336.1702(a))**

**VII. REPORTING**

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

See Appendix 8

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

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. SV-RTO-02	56 <sup>2</sup>	36 <sup>2</sup>	R 336.1225, R336.1901, R 336.2803, R 336.2804, 40 CFR 52.21(c) & (d)
2. SV-RTO-01	28 <sup>2</sup>	46 <sup>2</sup>	R 336.1225, R336.1901, R 336.2803, R 336.2804, 40 CFR 52.21(c) & (d)

**IX. OTHER REQUIREMENT(S)**

1. The permittee shall implement and maintain the Malfunction Abatement Plan (MAP) for EUCLEANUP/PURGE. **(R 336.1213(3))**
2. The permittee shall maintain and make available for inspection records of all elements in the MAP verifying the date procedures specified in the Plan are performed. **(R 336.1213(3))**
3. The permittee shall review and update the MAP on an as needed basis. Any changes to the plan shall be submitted to the AQD District Supervisor for approval. **(R 336.1213(3))**

**Footnotes:**

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

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

**EUGENERATOR  
 EMISSION UNIT CONDITIONS**

**DESCRIPTION**

A 464 HP (250 kilowatts (kW)) diesel-fuel fired emergency generator engine with a model year of 2011 or later, and a displacement of 8.9 liters / cylinder. The engine used in this generator set complies with Tier 3 emissions limit of USEPA New Source Performance Standards for stationary emergency engines under the provisions of 40 CFR Part 60, Subpart IIII.

**Flexible Group ID:** NA

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMITS**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NMHC+NOx	4.0 g/HP-Hr	Hourly	EUGENERATOR	SC V.1	<b>40 CFR 60.4205(b)</b>
2. CO	3.5 g/HP-Hr	Hourly	EUGENERATOR	SC V.1	<b>40 CFR 60.4205(b)</b>
3. PM	0.20 g/HP-Hr	Hourly	EUGENERATOR	SC V.1	<b>40 CFR 60.4205(b)</b>

**II. MATERIAL LIMITS**

- The permittee shall burn only diesel fuel in EUGENERATOR 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 60.4207, 40 CFR 1090.305)**

**III. PROCESS/OPERATIONAL RESTRICTIONS**

- The permittee may operate EUGENERATOR for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per calendar year. **(40 CFR 60.4211(f)(2))**
- The permittee may operate EUGENERATOR up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing as provided in 40 CFR 60.4211(f)(2). Except as provided in 40 CFR 60.4211(f)(3)(i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for the permittee to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 60.4211(f)(3))**
- The permittee shall meet the following requirements for the certified engine in EUGENERATOR, according to procedures specified in 40 CFR Part 60, Subpart IIII, for the same model year:
  - Operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions. **(40 CFR 60.4211(a)(1))**
  - Change only those emission-related settings that are permitted by the manufacturer. **(40 CFR 60.4211(a)(2))**

- c. Meet the requirements as specified in 40 CFR 89, 94 and/or 1068, as they apply to the engine. **(40 CFR 60.4211(a)(3))**
4. If the permittee completes modifications or changes to the certified engine that makes the engine operate in a non-certified manner, the permittee shall keep a maintenance plan for EUGENERATOR and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 60.4211(g)(2))**

#### **IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall equip and maintain EUGENERATOR with non-resettable hours meters to track the operating hours. **(40 CFR 60.4209)**

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

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

1. If the EUGENERATOR is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee must demonstrate compliance as follows:
  - a. Conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.
  - b. If a performance test is required, the performance test shall be conducted according to 40 CFR 60.4212.

No less than 30 days prior to testing, a complete test plan shall be submitted to the AQD. 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, 40 CFR 60.4211(g)(2), 40 CFR 60.4212)**

#### **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 last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1213(3))**
2. The permittee shall keep, in a satisfactory manner, the following records for EUGENERATOR:
  - a. The permittee shall keep records of the manufacturer certification documentation.  
The permittee shall keep all records on file and make them available to the Department upon request. **(40 CFR 60.4211)**
3. The permittee shall keep, in a satisfactory manner, the following records of maintenance activity for EUGENERATOR:
  - a. The permittee shall keep records of the manufacturer's emission-related written instructions, and records demonstrating that the engine has been maintained according to those instructions, as specified in SC III.3.  
The permittee shall keep all records on file and make them available to the Department upon request. **(40 CFR 60.4211)**

4. The permittee shall monitor and record, the total hours of operation for EUGENERATOR on a monthly and 12-month time period basis, and the hours of operation during emergency and non-emergency service that are recorded through the non-resettable hour meter for EUGENERATOR, 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 of EUGENERATOR, including what classified the operation as emergency and how many hours are spent for non-emergency operation. **(40 CFR 60.4211, 40 CFR 60.4214)**
5. The permittee shall keep, in a satisfactory manner, fuel supplier certification records or fuel sample test data, for each delivery of diesel fuel oil used in EUGENERATOR, demonstrating that the fuel meets the requirement of 40 CFR 1090.305. 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. **(40 CFR 60.4207(b), 40 CFR 1090.305)**

## **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. If EUGENERATOR meets one of the operating scenarios under 40 CFR 60.4214(d), then the permittee must submit an annual report electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 CFR 60.4. **(40 CFR 60.4214(d)(3))**
5. The permittee shall submit any performance test reports and all other reports required by 40 CFR Part 60, Subpart IIII to the AQD District Office, in a format approved by the AQD. **(R 336.1213(3)(c), R 336.2001(5))**

## **VIII. STACK/VENT RESTRICTIONS**

NA

## **IX. OTHER REQUIREMENTS**

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

**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
FGCAMPLAN	The primecoat portion of EUWETCOAT is controlled by RTO No. 2. The basecoat and clearcoat portion of EUWETCOAT are controlled by RTO No. 1. Emissions associated with EUCLEANUP/PURGE which are released within one of the three paint spray booths are also controlled by RTO No. 1 or No. 2. Both of the emission units, EUWETCOAT and EUCLEANUP/PURGE are subject to Compliance Assurance Monitoring (CAM).	EUWETCOAT EUCLEANUP/PURGE
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.	EUPARTWASH

## **FGCAMPLAN FLEXIBLE GROUP CONDITIONS**

### **DESCRIPTION**

The primecoat portion of EUWETCOAT is controlled by RTO No. 2. The basecoat and clearcoat portion of EUWETCOAT are controlled by RTO No. 1. Emissions associated with EUCLEANUP/PURGE which are released within one of the three paint spray booths are also controlled by RTO No. 1 and No. 2. The Volatile Organic Compounds (VOC) emissions from EUWETCOAT and EUCLEANUP/PURGE are subject to 40 CFR Part 65 Compliance Assurance Monitoring (CAM).

**Emission Units:** EUWETCOAT, EUCLEANUP/PURGE

### **POLLUTION CONTROL EQUIPMENT**

Regenerative Thermal Oxidizers (RTO) No. 1 and No. 2 and associated capture system.

#### **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 equip RTO No. 1 and RTO No. 2 with a thermocouple in the combustion chamber to monitor operating temperature of the unit. **(40 CFR 64.4(e))**
2. The permittee shall equip RTO No. 1 and RTO No. 2 with an instantaneous LCD temperature monitor. **(40 CFR 64.4(e))**

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

NA

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

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

1. The permittee shall continuously monitor the combustion chamber temperature for RTO No. 1 and RTO No. 2 and record at a minimum of once every 15 minutes in equally spaced intervals, as an indicator of proper operation for RTO No. 1 and RTO No. 2. For each RTO, the indicator range is above the minimum combustion chamber temperature of either 1400°F. **(40 CFR 64.6(c)(1)(i) and (ii))**
2. The permittee shall evaluate each capture enclosure system by monitoring the air flow direction in the through each non-ducted opening (NDO) via a smoke tube test. A smoke tube test shall be completed at a minimum of twice per shift with the results documented in a manner acceptable to the AQD District Supervisor. Air flow observed flowing into the booth through the NDO shall indicate that the capture system is operating under a negative differential pressure. **(40 CFR 64.3(a)(2))**

3. The permittee shall evaluate the solvent retention of the post-capture system ductwork by monitoring the fan motor frequency of each RTO. This shall be recorded at least two times per shift. The indicator range for RTO No. 1 is 40-60 Hz. The indicator range for RTO No. 2 is 40-60 Hz. **(40 CFR 64.3(a)(2))**.
4. The temperature monitor for the RTO shall continuously monitor the combustion chamber temperature. The monitor shall be calibrated at the frequency specified by the manufacturer but not less than once per calendar year plus an inspection and/or calibration whenever instrumentation anomalies are noted. **(40 CFR 64.6(c)(1)(iii))**
5. The permittee shall conduct and record semiannually external inspections of the RTO No. 1 and RTO No. 2, and annually conduct and record internal inspections (including dampers and valves) of the RTO, inspections of all interlocks and calibrate combustion chamber temperature recorder for the proper operation of the RTOs. **(40 CFR 64.6(c)(1)(i) and (ii))**
6. The permittee shall conduct and record monthly inspections of valves, piping, control valves, motors, and linkages and inspect and lubricate the damper and fan bearings for the proper operation of the capture systems. **(40 CFR 64.6(c)(1)(i) and (ii))**
7. An excursion occurs if the monthly, semiannual or annual inspections are not performed or recorded or a corrective action is not initiated within 24-hours to correct any problems identified during the inspections of the units. **(40 CFR 64.6(c)(2))**
8. For each RTO No. 1 and RTO No. 2, an excursion is a combustion chamber temperature that is less than 1,400°F based on an hourly average, during process operations. **(40 CFR 64.6(c)(2))**
9. For the RTO capture system, an excursion is when the smoke tube test shows gas flow is not towards the control equipment and the RTO No. 1 and RTO No. 2 not operating under a negative pressure. **(40 CFR 64.6(c)(2))**
10. For RTO No.1 and RTO No, 2 solvent retention systems, an excursion is a departure from the fan motor frequency range established in SC VI.3. **(40 CFR 64.6(c)(2))**
11. Upon detecting an excursion or exceedance, the owner or operator shall restore operation of FGCAMPLAN (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). **(40 CFR 64.7(d))**
12. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. **(40 CFR 64.6(c)(3), 40 CFR 64.7(c))**
13. The permittee shall properly maintain the monitoring system, including keeping necessary parts for routine repair of the monitoring equipment. **(40 CFR 64.7(b))**
14. The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan and any activities undertaken to implement a quality improvement plan, and other information such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions. **(40 CFR 64.9(b)(1))**

## **VII. REPORTING**

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

See Appendix 8

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

NA

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

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

### **Footnotes:**

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

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

## **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 Unit:** EUPARTWASH

### **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 written operating procedures for each cold cleaner. These written procedures shall be posted in an accessible, conspicuous location near each cold cleaner. **(R 336.1611(3), R 336.1707(4))**
4. As noted in Rule 611(2)(c) and Rule 707(3)(c), if applicable, an initial demonstration that the waste solvent is a safety hazard shall be made prior to storage in non-closed containers. If the waste solvent is a safety hazard and is stored in non-closed containers, verification that the waste solvent is disposed of so that not more than 20 percent, by weight, is allowed to evaporate into the atmosphere shall be made on a monthly basis. **(R 336.1213(3), R 336.1611(2)(c), R 336.1707(3)(c))**

#### **VII. REPORTING**

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

**See Appendix 8**

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

NA

**IX. OTHER REQUIREMENT(S)**

NA

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

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

## APPENDICES

### Appendix 1. Acronyms and Abbreviations

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

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

**Appendix 2. Schedule of Compliance**

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

**Appendix 3. Monitoring Requirements**

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

**Appendix 4. Recordkeeping**

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

**Appendix 5. Testing Procedures**

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-N5056-2016. 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-N5056-2016 is being reissued as Source-Wide PTI No. MI-PTI-N5056-2021.

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

**Appendix 7. Emission Calculations**

Specific emission calculations to be used with monitoring, testing or recordkeeping data are detailed in the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, this appendix is not applicable.

**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.