

Michigan Department of Natural Resources & Environment
Air Quality Division

EFFECTIVE DATE: January 1, 2011

ISSUED TO

Chrysler Warren Truck Assembly

State Registration Number (SRN): B2767

LOCATED AT

21500 Mound Road, Warren, Michigan 48091

RENEWABLE OPERATING PERMIT

Permit Number: MI-ROP-B2767-2011

Expiration Date: December 31, 2015

Administratively Complete ROP Renewal Application Due Between July 1, 2014, and
July 1, 2015

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

SOURCE-WIDE PERMIT TO INSTALL

Permit Number: MI-PTI-B2767-2011

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

Michigan Department of Natural Resources and Environment

Christopher Ethridge, Acting Southeast Michigan District Supervisor

TABLE OF CONTENTS

AUTHORITY AND ENFORCEABILITY.....4

A. GENERAL CONDITIONS5

Permit Enforceability5

General Provisions.....5

Equipment & Design6

Emission Limits6

Testing/Sampling6

Monitoring/Recordkeeping7

Certification & Reporting7

Permit Shield.....8

Revisions9

Reopenings.....9

Renewals10

Stratospheric Ozone Protection10

Risk Management Plan.....10

Emission Trading10

Permit To Install (PTI)11

Consent Orders.....12

Consent Judgment.....12

B. SOURCE-WIDE CONDITIONS.....13

C. EMISSION UNIT CONDITIONS14

EMISSION UNIT SUMMARY TABLE14

EU - MechWasher.....16

EU - Uniprime18

EU – Solvent Wipe.....22

EU – Sealers&Adhesiv.....24

EU – Blackout Booth.....26

EU - Tutone.....29

EU – Fluid Fill.....35

EU – Final Repair.....37

EU-Tempboilers40

D. FLEXIBLE GROUP CONDITIONS42

FLEXIBLE GROUP SUMMARY TABLE42

FG – Gasoline Tanks44

FG – Rule 331.....46

FG – Storage Tanks.....48

FG - Boilers50

FG - Reprocess.....52

FG - PMMisc55

FG - Topcoat.....57

FG-AUTOMACT64

FG-OLD71

FGCOLDCLEANERS.....73

FG-RULE 287(c).....76

FG-RULE29078

E. NON-APPLICABLE REQUIREMENTS..... 81

APPENDICES..... 82

Appendix 1: Abbreviations and Acronyms 82

Appendix 2. Schedule of Compliance 83

Appendix 3. Monitoring Requirements 83

Appendix 4. Recordkeeping 83

Appendix 5. Testing Procedures 83

Appendix 6. Permits to Install 84

Appendix 7. Emission Calculations 84

Appendix 8. Reporting 85

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 Natural Resources and Environment (MDNRE) or his or her designee.

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

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

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

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

A. GENERAL CONDITIONS

Permit Enforceability

- All conditions in this permit are both federally enforceable and state enforceable unless otherwise noted. **(R 336.1213(5))**
- Those conditions that are hereby incorporated in a state only enforceable Source-wide PTI pursuant to Rule 201(2)(d) are designated by footnote one. **(R 336.1213(5)(a), R336.1214a(5))**
- Those conditions that are hereby incorporated in federally enforceable Source- wide PTI No. MI-PTI-B2767-2011 pursuant to Rule 201(2)(c) are designated by footnote two. **(R 336.1213(5)(b), R 336.1214a(3))**

General Provisions

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

and known as the Freedom of Information Act, the person may also be required to furnish the records directly to the USEPA together with a claim of confidentiality. **(R 336.1213(1)(e))**

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

Equipment & Design

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

Emission Limits

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

Testing/Sampling

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

Monitoring/Recordkeeping

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

Certification & Reporting

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

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

Permit Shield

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

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

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

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

Revisions

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

Reopenings

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

Renewals

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

Stratospheric Ozone Protection

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

Risk Management Plan

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

Emission Trading

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

Permit To Install (PTI)

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

Footnotes:

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

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

Consent Orders

The conditions contained in this ROP for which a Consent Order is the only identified underlying applicable requirement shall be considered null and void upon the effective date of termination of the Consent Order. The effective date of termination is defined for the purposes of this condition as the date upon which the Termination Order is signed by the Chief of the AQD.

Consent Judgment

The conditions contained in this ROP for which a Consent Judgment is the only identified underlying applicable requirement shall be considered null and void upon the effective date of termination of the Consent Judgment.

B. SOURCE-WIDE CONDITIONS

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

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

C. EMISSION UNIT CONDITIONS

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

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

EMISSION UNIT SUMMARY TABLE

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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU-MechWasher	Mechanical body washer for cleaning vehicle bodies	7/31/1984	
EU-Uniprime	Cathodic electrodeposition primer system to apply primer to vehicle bodies and oven for curing.	7/31/1984	FG-MACT
EU-Antichip	Anti-corrosion primer including the application of flash primer/full body powder.	7/31/1984	FG-MACT
EU-Solvent Wipe	Emissions from solvent wipes and body cleaners.	7/31/1984	FG-MACT
EU-Color One	Spray booth for applying topcoat to vehicle bodies and associated oven for curing.	2/18/1992	FG-Topcoat FG-MACT
EU-Color Two	Spray booth for applying topcoat to vehicle bodies and associated oven for curing.	3/10/1992	FG-Topcoat FG-MACT
EU-Reprocess	Spray booth for topcoat application to and repair of vehicle bodies and associated oven for curing.	7/31/1984	FG-Topcoat FG-MACT
EU-Sealers&Adhesiv	Application of sealers and adhesives and gelling oven.	7/31/1984	FG-MACT
EU-Blackout Booth	Spray booth for applying blackout paint to vehicle bodies	7/31/1984	FG-MACT
EU-Tutone	Booth for applying topcoat on tutoned vehicle bodies and oven for curing.	6/17/1992	FG-MACT
EU-Fluid Fill	Stations for filling fuel tanks and windshield washer solution reservoirs.	7/31/1984	
EU-Final Repair	Final repair system includes spot repair stations, two spovans, and two sanding booths.	7/22/1996	FG-MACT
EU-Autotranstank	15,000 gallon above ground storage tank for automobile transmission fluid.	7/31/1984	FG-Storage Tanks
EU-Dieseltank	15,000 gallon above ground storage tank for diesel fuel.	7/31/1984	FG-Storage Tanks
EU-Ecresintank	12,000 gallon above ground storage tank for electrodeposition coating resin.	7/31/1984	FG-Storage Tanks

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU-Engineoil tank	15,000 gallon above ground storage tank for engine oil.	7/31/1984	FG-Storage Tanks
EU-Glycol tank	15,000 gallon above ground storage tank for anti-freeze fluid.	7/31/1984	FG-Storage Tanks
EU-Rear fluid tank	15,000 gallon above ground tank for automotive rear axle fluid.	7/31/1984	FG-Storage Tanks
EU-Used oil tank	10,000 gallon above ground storage tank for used oil.	7/31/1984	FG-Storage Tanks
EU-Gas Boiler 3	Natural gas fired boiler equipped with low NOx burner used to produce steam and heat (152 MMBtu).	7/1/1998	FG-Boilers
EU-Gas Boiler 4	Natural gas fired boiler equipped with low NOx burner used to produce steam and heat (106 MMBtu).	7/1/1998	FG-Boilers
EU-Gas Boiler 5	Natural gas fired boiler equipped with low NOx burner used to produce steam and heat (152 MMBtu).	9/1/1996	FG-Boilers
EU-Gas Boiler 6	Natural gas fired boiler to produce steam and heat (192 MMBtu).	10/29/1984	FG-Boilers
EU-Temp Boilers	Two natural gas fired temporary boilers, each rated at 25 MMBtu/hr.	10/1/2006	
EU-Unleaded gas 1	15,000 gallon gasoline storage tank.	7/31/1984	FG-Gasoline Tanks
EU-Unleaded gas 2	15,000 gallon gasoline storage tank.	7/31/1984	FG-Gasoline Tanks
EU-Carpenter shop	Wood-saws, drills and lathes.	7/31/1984	FG-Rule 331
EU-Plasma cut	Metal cutting with a plasma arc.	7/31/1984	FG-Rule 331
EU-Color One Sand	Color one paint line sanding operations	7/31/1984	FG-PMMisc
EU-Polish Deck	Polishing of minor surface defects on painted vehicles	7/31/1984	FG-PMMisc
EU-Reprocess sand	Topcoat sanding operations on painted vehicle bodies (with enclosure to capture particulate emissions).	7/31/1984	FG_PMMisc
EU-Reprocess (1-12)	12 spot repair stations for reprocess painting.		FG-Reprocess
EU-RePro Polish	Polishing of minor surface defects on painted vehicles	7/31/1984	FG-PMMisc
EU-UniPrime Sand	E-coat sanding operations with exhausted enclosure to capture particulates	7/31/1984	FG-PMMisc

**EU - MechWasher
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Mechanical Body Washer for cleaning vehicle bodies.

Flexible Group ID:

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	21.5 ² lbs	Hour	EU-MechWasher	GC 13 SC V.1 & VI.1	R336.1201(3)
2. VOC	45.24 ² tons	12-month rolling time period	EU-MechWasher	SC V.1 & VI.1	R336.1220(a)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. NA

V. TESTING/SAMPLING

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

- The VOC content, water content and density of any cleaner and inhibitors material as used and as received, shall be determined using federal Reference Test Method 24 or an alternative approved by the AQD District Supervisor. Alternatively, the VOC content may be determined from manufacturer's formulation data. If the tested and the formulation values should differ, the tested results shall be used to determine compliance. Upon request of the AQD District Supervisor, the VOC content, water content and density of any coating or material shall be verified using federal Reference Test Method 24. [R336.2001, R336.2003 & R336.2004]

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

- The permittee shall keep the following records/calculations in a format acceptable to the AQD District Supervisor. The permittee shall compile all required records and complete all required calculations and make them available within 30 days following the end of each calendar month for which records are required to be kept. (R336.1213(3))

- a. The plant production hours, monthly records.
- b. The quantity of materials used, monthly records.
- c. The material identification
- d. Material VOC content; in pounds per unit quantity
- e. Calculations showing the VOC emission rates, in pounds per hour and tons per 12-month rolling time period, as determined at the end of each calendar month as outlined in Appendix 7, or an alternative that is acceptable to the District Supervisor.

All records/calculations shall be kept on file for a period of at least five years and made available to the Department upon request.

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Quarterly reporting of VOC emissions and coating usage data within 30 days following the end of the quarter in which the data were collected.² **(R336.1201(3))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. NA

Footnotes:

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

**EU - Uniprime
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Cathodic electrodeposition primer system to apply primer to vehicle bodies and oven for curing.

Flexible Group ID: FG-MACT

POLLUTION CONTROL EQUIPMENT

One thermal oxidizer for the cure oven.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	14.5 ² lbs	Hour	EU-Uniprime (dip tank)	GC 13 V.1, VI.2	R336.1220
2. VOC	31.23 ² tons	12-month rolling time period	EU-Uniprime (dip tank)	V.1, VI.2	R336.1220
3. VOC	8.2 ² lbs	Hour	EU-Uniprime (oven)	GC 13 V.1, VI.2	R336.1220
4. VOC	17.66 ² tons	12-month rolling time period	EU-Uniprime (oven)	V.1, VI.2	R336.1220
5. VOC	1.34 lbs per gallon of applied coating solids	Monthly average	EU-Uniprime tank and oven	V.1, VI.2	40 CFR 60.392, Subpart MM

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall not operate EU-Uniprime unless the associated thermal oxidizer for the ovens is installed and operating properly. Proper operation of the thermal oxidizer includes maintaining a minimum 3-hour average combustion chamber temperature no more than 50 degrees Fahrenheit below 1450 °F or the average combustion chamber temperature during the most recent acceptable performance test that demonstrated the equivalent destruction efficiency and has been accepted by the AQD District Supervisor.² **(R 336.1910, 64.6(c)(i)&(ii), R336.1213(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

- NA

V. TESTING/SAMPLING

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

1. The VOC content, water content and density of any material as used and as received, shall be determined using federal Reference Test Method 24 or an alternative approved by the AQD District Supervisor. Alternatively, the VOC content may be determined from manufacturer's formulation data. If the tested and the formulation values should differ, the tested results shall be used to determine compliance. Upon request of the AQD District Supervisor, the VOC content, water content and density of any coating or material shall be verified using federal Reference Test Method 24. **[R336.2001, R336.2003 & R336.2004]**
2. Verification of Oven Exhaust Control Device VOC Loading rates of EU-Uniprime by testing, at owner expense, is required according to the following schedule:
 - a. Within 180 days of issuance of this permit if an Oven Exhaust Control Device VOC Loading test has not been conducted within 5 years prior to the issuance of the RO permit, unless the permittee has submitted an acceptable demonstration that the most recent acceptable test remains valid and representative.
 - b. Within 180 days of making any changes in operating conditions which necessitate reevaluation of the Oven Exhaust Control Device VOC Loading rates.

Verification of Oven Exhaust Control Device VOC Loading rates includes the submittal of a complete report of the test results. No less than 7 days before any tests are conducted, the permittee shall notify the DNRE-AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R336.1213(3), R336.2001(3))**

3. Verification of Destruction efficiency of the Thermal Oxidizer by testing, at owner expense, is required according to the following schedule:
 - a. Within 180 days of issuance of this permit if Destruction efficiency test of the Thermal Oxidizer has not been conducted within 5 years prior to the issuance of the RO permit, unless the permittee has submitted an acceptable demonstration that the most recent acceptable test remains valid and representative.
 - b. Within 180 days of making any changes in operating conditions which necessitate reevaluation of the Destruction efficiency of the Thermal Oxidizer.

Verification of Destruction efficiency of the Thermal Oxidizer includes the submittal of a complete report of the test results. No less than 7 days before any tests are conducted, the permittee shall notify the DNRE-AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R336.1213(3), R336.2001(3))**

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall install, calibrate (in accordance with manufacturer's recommendation), and maintain measurement and recording devices to monitor the thermal oxidizer temperature. A temperature measurement device shall have an accuracy of greater of ± 0.75 percent of the temperature being measured expressed in degree Celsius or ± 2.5 °C. The temperature measurement device shall be equipped with recording device so that permanent, continuous record of the thermal oxidizer temperature is produced.² **(R336.1201(3) & 40 CFR Part 60 Subpart MM 60.394, 64.6(c)(i)&(ii))**
2. The permittee shall keep the following records/calculations in a format acceptable to the AQD District Supervisor. The permittee shall compile all required records and complete all required calculations and make them available within 30 days following the end of each calendar month for which records are required to be kept. **(R336.1213(3))**
 - a. The plant production hours, monthly records.
 - b. The quantity of materials used, monthly records.
 - c. The material identification.
 - d. The formulation volume solids.
 - e. Tank and oven exhaust control device loading values:
 1. Value(s) used in calculations; and

2. Value(s) from most recent test.
- f. Destruction Efficiency of the oxidizer:
 1. Value(s) used in calculations; and
 2. Value(s) from most recent test.
- g. Material VOC content; in pounds per unit quantity
- h. Calculations showing the VOC emission rates, in pounds per hour, tons per 12-month rolling time period and pounds per gallon of applied coating solids, as determined at the end of each calendar month as outlined in Appendix 7, or an alternative that is acceptable to the District Supervisor.

All records/calculations shall be kept on file for a period of at least five years and made available to the Department upon request.

3. For each control device in operation during production (coating vehicles, etc.), if such bypass can occur based upon the design of the pollutant specific emission unit, the permittee shall conduct bypass monitoring for each bypass line such that the valve or closure method cannot be opened without creating an alarm condition for which a record shall be made. Records of the bypass line that was open and the length of time the bypass was open shall be kept on file. **(40 CFR 64.3(a)(2))**
4. The permittee shall develop, maintain and implement, an Operation and Maintenance (O&M) plan for EU-Uniprime. The CAM O&M plan shall at a minimum contain the elements outlined in appendix 3. The plan shall be updated as necessary to reflect changes in monitoring, to implement corrective actions and to address malfunctions. Changes in the CAM portion of the operations and maintenance plan shall be submitted to the district supervisor for review and approval. All records and activities associated with the O&M shall be kept on file for a period of at least five years and made available to the department upon request. **(40 CFR 64.6(c)(1)(i),(ii), 64.7(e))**

See Appendices 3 and 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Quarterly reporting of emissions on a pound VOC per gallon of applied coating solids. Due within 30 days of the end of the quarter in which the data were collected. **(R 336.1213, NSPS 40 CFR, Part 60 Subparts A & MM)**
5. Each semiannual report of monitoring and deviations shall include summary information on the number, duration and cause of excursions or exceedances, as applicable and the corrective actions taken. If there were no excursions or exceedances in the reporting period, then this report shall include a statement that there were no excursions or exceedances. **(40 CFR 64.9(a)(2)(i))**

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. SVSMB-B-05-01	NA	42 ¹	R336.1901
2. SVSMB-B-05-02	NA	42 ¹	R336.1901
3. SVSMB-B-13-01	NA	46 ¹	R336.1901
4. SVSMB-B-22-02	NA	46 ¹	R336.1901
5. SVSMB-C-02-01	NA	42 ¹	R336.1901
6. SVSMB-C-08-01	NA	42 ¹	R336.1901
7. SVSMB-C-08-02	NA	42 ¹	R336.1901
8. SVSMB-C-08-03	NA	42 ¹	R336.1901
9. SVSMB-C-09-01	NA	42 ¹	R336.1901
10. SVSMB-C-10-01	NA	42 ¹	R336.1901
11. SVSMB-C-10-02	NA	42 ¹	R336.1901
12. SVSMB-C-10-03	NA	42 ¹	R336.1901
13. SVSMB-C-11-01	NA	42 ¹	R336.1901
14. SVSMB-C-11-02	NA	42 ¹	R336.1901
15. SV-UNIPRIMERTO			

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with New Source Performance Standards (NSPS), 40 CFR, Part 60, Subpart MM (Standards of Performance for Automobile and Truck Surface Coating Operations) and Subpart A (General Provisions). **(40 CFR, Part 60, Subpart MM)**
2. For the purposes of Compliance Assurance Monitoring (CAM), excursions will be defined as follows: **(40 CFR 64.6(c)(2))**
 - a. A temperature excursion is defined as a confirmed three-hour period during which the average fails to meet the specified temperature requirements in special conditions III.1.
 - b. A monitoring excursion is defined as a failure to properly monitor as required in special conditions VI.1, VI.3 and VI.4.
 - c. A monitoring excursion is defined as failure to properly implement and/or maintain the O&M plan required in special conditions VI.4.
4. The permittee shall comply with all applicable requirements of 40 CFR Part 64. **(40 CFR Part 64)**

Footnotes:

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

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

**EU – Solvent Wipe
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Emissions from solvent wipes and body cleaners.

Flexible Group ID: FG - MACT

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	488.6 ² lbs	Hourly	EU – Solvent Wipe	GC 13 SC VI.1	R336.1201(3)
2. VOC	1502.58 ² tons	12-month rolling time period	EU – Solvent Wipe	SC VI.1	R336.1220(a)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. NA

V. TESTING/SAMPLING

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

1. NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall keep the following records/calculations in a format acceptable to the AQD District Supervisor. The permittee shall compile all required records and complete all required calculations and make them available within 30 days following the end of each calendar month for which records are required to be kept. (R336.1213(3))
 - a. The plant production hours, monthly records.
 - b. The quantity of materials used, monthly records.
 - c. The material identification
 - d. Material VOC content; in pounds per unit quantity

- e. Calculations showing the VOC emission rates, in pounds per hour and tons per 12-month rolling time period, as determined at the end of each calendar month as outlined in Appendix 7, or an alternative that is acceptable to the District Supervisor.

All records/calculations shall be kept on file for a period of at least five years and made available to the Department upon request.

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Quarterly reporting of VOC emissions and coating usage data within 30 days following the end of the quarter in which the data were collected.² **(R336.1201(3))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. NA

Footnotes:

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

**EU – Sealers&Adhesiv
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Application of sealers and adhesives and gelling oven.

Flexible Group ID: FG-MACT

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	151.2 ² lbs	Hour	EU-Sealers&Adhesiv	GC 13 V.1	R336.1220
2. VOC	325.73 ² tons	12-month rolling time period	EU-Sealers&Adhesiv	V.1, VI.1	R336.1220
3. VOC	3.0 ² lbs per gallon of coating, minus water, as applied	Daily/Monthly (see SC VI.1)	EU-Sealers&Adhesiv	V.1, VI.1	R336.1220

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1.

IV. DESIGN/EQUIPMENT PARAMETER(S)

1.

V. TESTING/SAMPLING

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

- For EU-Sealers&Adhesiv, the Permittee shall determine the VOC content of each coating or material using federal Reference Test Method 24 at the time and temperature specified in the method or at representative time(s) and temperature(s) used to cure the related coating or material in practice as provided by ASTM D2369-98, 1.4 and Note 3. Alternatively, the VOC content may be determined from manufacturer's formulation data. If the tested and the formulation values should differ, the test results shall be used to determine compliance. Upon request of the District Supervisor, the VOC content of each coating or material shall be verified by testing. **(R336.1213(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 keep the following records/calculations in a format acceptable to the AQD District Supervisor. The permittee shall compile all required records and complete all required calculations and make them available within 30 days following the end of each calendar month for which records are required to be kept. **(R336.1213(3))**
 - a. The hours of operation, monthly records.
 - b. The quantity of materials used and the VOC content as applied, daily records unless all coatings VOC content when mixed with reducers is less than the limit in SC I.1, then monthly records may be kept.
 - c. The material identification.
 - d. The mixing ratio of coating and reducer, daily records unless all coatings VOC content when mixed with reducers is less than the limit in SC I.1, then monthly records may be kept.
 - e. VOC emission: Monthly calculation record of VOC emission rates (lbs/hr, tons/yr based upon a 12-month rolling time period, lbs/gal (minus water as applied) according to the Method outlined in Appendix 7, or an alternative method approved by DNRE-AQD.

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Quarterly reporting of VOC emissions. Due within 30 days of the end of the quarter in which the data were collected. **(R 336.1213(3), NSPS 40 CFR, Part 60 Subparts A & MM)**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. NA

Footnotes:

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

**EU – Blackout Booth
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Spray booth for applying blackout paint to vehicle bodies.

Flexible Group ID: FG-MACT

POLLUTION CONTROL EQUIPMENT

Dry filters.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	10.5 ² lbs	Hour	EU-Blackout Booth	GC 13 SC V.1, VI.1	R336.1702(c)
2. VOC	22.62 ² tons	12-month rolling time period	EU-Blackout Booth	SC V.1, VI.1	R336.1702(c)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate EU-Blackout Booth unless all exhaust filters are in place and operating properly.² (R336.1910)

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. NA

V. TESTING/SAMPLING

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

1. The VOC content, water content and density of any coating or material as applied and as received, shall be determined using federal Reference Test Method 24 or an alternative approved by the AQD District Supervisor. Alternatively, the VOC content may be determined from manufacturer’s formulation data. If the tested and the formulation values should differ, the tested results shall be used to determine compliance. Upon request of the AQD District Supervisor, the VOC content, water content and density of any coating or material shall be verified using federal Reference Test Method 24. [R336.2001, R336.2003 & R336.2004]

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall keep the following records/calculations in a format acceptable to the AQD District Supervisor. The permittee shall compile all required records and complete all required calculations and make them available within 30 days following the end of each calendar month for which records are required to be kept. **(R336.1213(3))**
 - a. The plant production hours, monthly records.
 - b. The quantity of materials used, monthly records.
 - c. The material identification.
 - d. Material VOC content; in pounds per unit quantity.
 - e. Calculations showing the VOC emission rates, in pounds per hour and tons per 12-month rolling time period, as determined at the end of each calendar month as outlined in Appendix 7, or an alternative that is acceptable to the District Supervisor.

All records/calculations shall be kept on file for a period of at least five years and made available to the Department upon request.

2. The permittee shall keep records of visual inspections of each exhaust filter or water wash particulate control system which include the dates and results of the inspections and the dates and reasons for repairs. All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(R336.1213(3))**

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Quarterly reporting of VOC emissions and coating usage data within 30 days following the end of the quarter in which the data were collected. **(R336.1213(3))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVSMB-L-17-02	NA	90 ¹	R336.1901
2. SVSMB-L-17-03	NA	90 ¹	R336.1901

IX. OTHER REQUIREMENT(S)

1. NA

Footnotes:

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

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

**EU - Tutone
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Booth for applying topcoat on tutoned vehicle bodies and oven for curing.

Flexible Group ID: FG-MACT

POLLUTION CONTROL EQUIPMENT

A thermal oxidizer(s) for VOC from the bake oven and a waterwash system for particulate control.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	12.3 lbs per gallon ² (1.47 kg per liter) of applied coating solids	Calendar month	EU-Tutone	SC V.4, VI.1, VI.3	40 CFR 60 Subpart MM
2. VOC	381.1 ² lbs	Hour	EU-Tutone Spraybooth	GC 13 SC V.4, VI.2, VI.3	R336.1220
3. VOC	821 ² tons	12-month rolling time period	EU-Tutone Spraybooth	SC V.4, VI.3	R336.1220
4. VOC	9.51 ² lbs	Hour	EU-Tutone Oven	SC V.4, VI.2, VI.3	R336.1220
5. VOC	20.53 ² tons	12-month rolling time period	EU-Tutone Oven	SC V.4, VI.3	R336.1220

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall not operate EU-Tutone unless the thermal oxidizer for the oven is installed and operating properly.² (R336.1910, R336.1911, 40 CFR 64.6(c)(1)(i), (ii))
- The permittee shall not operate EU-Tutone unless a waterwash system is installed and operating properly.² (R336.1910)

IV. DESIGN/EQUIPMENT PARAMETER(S)

- NA

V. TESTING/SAMPLING

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

1. The VOC content, water content and density of any coating or material as applied and as received, shall be determined using federal Reference Test Method 24 or an alternative approved by the AQD District Supervisor. Alternatively, the VOC content may be determined from manufacturer's formulation data. If the tested and the formulation values should differ, the tested results shall be used to determine compliance. Upon request of the AQD District Supervisor, the VOC content, water content and density of any coating or material shall be verified using federal Reference Test Method 24. **(R336.2001, R336.2003 & R336.2004)**
2. Verification of the transfer efficiency rates by testing of EU-Tutone, or use of a default transfer efficiency as allowed by the EPA Protocol, at owners expense, is required according to the following schedule:
 - a. Within 180 days of issuance of this permit if an acceptable transfer efficiency test has not been conducted within 5 years prior to the issuance of the RO permit, unless the permittee has submitted an acceptable demonstration that the most recent acceptable test remains valid and representative.
 - b. Within 180 days of making any changes in operating conditions which necessitate reevaluation of the transfer efficiency, as required by the EPA Protocol.

Verification of the transfer efficiency rate includes the submittal of a complete report of the test results. No less than 30 days prior to testing, a complete testing plan must be submitted to the DNRE-AQD. The final plan must be approved by the DNRE-AQD prior to testing. Not less than 7 days before any tests are conducted, the permittee shall notify the DNRE-AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R336.1213(3), R336.2001(3))**

3. Verification of Oven Exhaust Control Device VOC Loading rates of the EU-Tutone line by testing, at owner expense, is required according to the following schedule:
 - a. Within 180 days of issuance of this permit if an Oven Exhaust Control Device VOC Loading test has not been conducted within 5 years prior to the issuance of the RO permit, unless the permittee has submitted an acceptable demonstration that the most recent acceptable test remains valid and representative, and at least once during the term.
 - b. Within 180 days of making any changes in operating conditions which necessitate reevaluation of the Oven Exhaust Control Device VOC Loading rates.

Verification of Oven Exhaust Control Device VOC Loading rates includes the submittal of a complete report of the test results. No less than 7 days before any tests are conducted, the permittee shall notify the DNRE-AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R336.1213(3), R336.2001(3))**

4. Verification of Destruction efficiency of the Thermal Oxidizer for the EU-Tutone oven by testing, at owner expense, is required according to the following schedule:
 - a. Within 180 days of issuance of this permit if Destruction efficiency test of the Thermal Oxidizer for the oven has not been conducted within 5 years prior to the issuance of the RO permit, unless the permittee has submitted an acceptable demonstration that the most recent acceptable test remains valid and representative, and at least once during the term.
 - b. Within 180 days of making any changes in operating conditions which necessitate reevaluation of the Destruction efficiency of the Thermal Oxidizer.

Verification of Destruction efficiency of the Thermal Oxidizer for the oven includes the submittal of a complete report of the test results. No less than 7 days before any tests are conducted, the permittee shall notify the DNRE-AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R336.1213(3), R336.2001(3))**

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall install, calibrate (in accordance with manufacturer's recommendation), and maintain measurement and recording devices to monitor each thermal oxidizer temperature. A temperature measurement device shall have an accuracy of greater of ± 0.75 percent of the temperature being measured expressed in degree Celsius or ± 2.5 °C. The temperature measurement device shall be equipped with recording device so that permanent, continuous record of the thermal oxidizer temperature is produced.² **(R336.1201(3) & 40 CFR Part 60 Subpart MM 60.394, 64.6(c)(1)(i),(ii))**
2. The permittee shall conduct visual inspections of the water wash system on a weekly basis during weeks while production is occurring.² **(R336.1201(3), 64.6(c)(1)(i),(ii))**
3. The temperature monitor of the thermal oxidizer shall be placed in the firebox or in the duct immediately downstream of the firebox before any substantial heat exchange occurs. **(R 336.1213(3))**
4. Records of the following data, test documentation, and annual reviews which are necessary to perform the calculations in accordance with the publication entitled "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-duty Truck Topcoat Operations", EPA-453/R-08-002, or as amended (The EPA Protocol): **(R336.1213(3))**
 - a. For each type of coating used during the calendar month:
 - i) Coating identification;
 - ii) Analytical VOC content as determined by EPA Reference Test Method 24;
 - iii) Formulation VOC and volume solids content;
 - iv) Coating usage (daily or monthly), including withdrawals; and
 - v) Dilution solvent usage and density.
 - b. Number of vehicles coated per production day by body style, coating color, and square footage coated (or equivalent unit), unless daily coating records are kept.
 - c. Transfer efficiency (TE).
 - i) Value(s) used in protocol calculations;
 - ii) Value(s) from most recent test; and
 - iii) Annual review of operating conditions to demonstrate that the transfer efficiency remains valid.
 - d. Oven exhaust control device VOC loading (booth/oven split).
 - i) Value(s) used in protocol calculations;
 - ii) Value(s) from most recent test; and
 - iii) Annual review of operating conditions to demonstrated that the oven exhaust control device VOC loading remains valid.
 - e. Destruction Efficiency of the control device;
 - i) Value(s) used in protocol calculations; and
 - ii) Value(s) derived from most recent test.
5. Plant production hours: monthly records. **(R336.1213(3))**
6. Records of the VOC mass emission rates
 - a. The emission rates (pounds per hour; tons per month; and tons per 12-month rolling time period) shall be calculated according to the method in Appendix 7 or an alternative method that is acceptable to the DNRE-AQD. **(R336.1213(3))**
 - b. The emission rates (pounds per gallon of applied coating solids) for each production day shall be determined by using the EPA Protocol.

7. Weekly records of the condition of the water wash system and records of the date of maintenance / repairs. **(R336.1213(3))**
8. For each control device in operation during production (coating vehicles, etc.), if such bypass can occur based upon on the design of the pollutant specific emission unit, the permittee shall conduct bypass monitoring for each bypass line such that the valve or closure method cannot be opened without creating an alarm condition for which a record shall be made. Records of the bypass line that was open and the length of time the bypass was open shall be kept on file. **(40 CFR 64.3(a)(2))**
9. The permittee shall develop, maintain and implement, an Operation and Maintenance (O&M) plan for EU-Tutone. The CAM O&M plan shall at a minimum contain the elements outlined in appendix 3. The plan shall be updated as necessary to reflect changes in monitoring, to implement corrective actions and to address malfunctions. Changes in the CAM portion of the operations and maintenance plan shall be submitted to the district supervisor for review and approval. All records and activities associated with the O&M shall be kept on file for a period of at least five years and made available to the department upon request. **(40 CFR 64.6(c)(1)(i),(ii), 40 CFR 64.7(e))**

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Quarterly reporting of emissions on a pound VOC per gallon of applied coating solids. Due within 30 days of the end of the quarter in which the data were collected. **(R 336.1213, NSPS 40 CFR, Part 60 Subparts A & MM)**
5. Each semiannual report of monitoring and deviations shall include summary information on the number, duration and cause of excursions or exceedances, as applicable and the corrective actions taken. If there were no excursions or exceedances in the reporting period, then this report shall include a statement that there were no excursions or exceedances. **(40 CFR 64.9(a)(2)(i))**

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. SVSMB-F-03-01	NA	42 ¹	R336.1901
2. SVSMB-F-04-01	NA	42 ¹	R336.1901
3. SVSMB-F-04-02	NA	42 ¹	R336.1901
4. SVSMB-F-08-02	NA	42 ¹	R336.1901
5. SVSMB-F-09-02	NA	42 ¹	R336.1901
6. SVSMB-F-13-TT-01	NA	90 ¹	R336.1901
7. SVSMB-F-13-TT-02	NA	90 ¹	R336.1901
8. SVSMB-F-13-TT-03	NA	90 ¹	R336.1901
9. SVSMB-F-14-TT-01	NA	90 ¹	R336.1901
10. SVSMB-F-14-TT-02	NA	90 ¹	R336.1901
11. SVSMB-F-14-TT-03	NA	90 ¹	R336.1901
12. SVSMB-F-14-TT-04	NA	90 ¹	R336.1901
13. SVSMB-F-15-TT-01	NA	90 ¹	R336.1901
14. SVSMB-F-15-TT-02	NA	90 ¹	R336.1901
15. SVSMB-F-15-TT-03	NA	90 ¹	R336.1901
16. SVSMB-F-16-TT-01	NA	90 ¹	R336.1901
17. SVSMB-F-16-TT-02	NA	90 ¹	R336.1901
18. SVSMB-F-16-TT-03	NA	90 ¹	R336.1901
19. SVSMB-F-16-TT-04	NA	90 ¹	R336.1901
20. SVSMB-F-17-TT-01	NA	90 ¹	R336.1901
21. SVSMB-F-17-TT-02	NA	90 ¹	R336.1901
22. SVSMB-F-17-TT-03	NA	90 ¹	R336.1901
23. SVSMB-F-18-TT-01	NA	90 ¹	R336.1901
24. SVSMB-F-18-TT-02	NA	90 ¹	R336.1901
25. SVSMB-F-18-TT-03	NA	90 ¹	R336.1901
26. SVSMB-F-18-TT-04	NA	90 ¹	R336.1901
27. SVSMB-F-19-TT-01	NA	90 ¹	R336.1901
28. SVSMB-F-19-TT-02	NA	90 ¹	R336.1901
29. SVSMB-F-19-TT-03	NA	90 ¹	R336.1901
30. SVSMB-F-19-TT-04	NA	90 ¹	R336.1901

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with New Source Performance Standards (NSPS), 40 CFR, Part 60, Subpart MM (Standards of Performance for Automobile and Truck Surface Coating Operations) and Subpart A (General Provisions). **(40 CFR, Part 60, Subpart MM)**
2. For the purposes of Compliance Assurance Monitoring (CAM), excursions will be defined as follows: **(64.6(c)(2))**
 - a. A temperature excursion is defined as a confirmed three-hour period (except as allowed by 40 CFR 64.7(c)) during which the average fails to meet the most recently acceptable performance test value.
 - b. A monitoring excursion is defined as a failure to properly monitor as required in special conditions VI.1, VI.3 and VI.8.

c. A monitoring excursion is defined as failure to properly implement and/or maintain the O&M plan required in special conditions VI.9

4. The permittee shall comply with all applicable requirements of 40 CFR Part 64. **(40 CFR Part 64)**

Footnotes:

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

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

**EU – Fluid Fill
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Stations for filling fuel tanks and windshield washer solution reservoirs.

Flexible Group ID:

POLLUTION CONTROL EQUIPMENT

Stage I vapor balance system.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	12.3 lbs	Hour	EU-Fluid Fill	GC 13 SC VI.2	R336.1702(a)
2. VOC	26.39 tons	12-month rolling time period	EU-Fluid Fill	SC VI.2	R336.1702(a)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall not add gasoline to any vehicle without an Onboard Re-fueling Vapor Recovery system. (R336.1702(a), R336.1201(3))

IV. DESIGN/EQUIPMENT PARAMETER(S)

- NA

V. TESTING/SAMPLING

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

- NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

- The permittee shall keep the following records/calculations in a format acceptable to the AQD District Supervisor. The permittee shall compile all required records and complete all required calculations and make them available within 30 days following the end of each calendar month for which records are required to be kept. (R336.1213(3))
 - The plant production hours, monthly records.
 - The quantity of materials used, monthly records.
 - The material identification

- d. Material VOC content; in pounds per unit quantity
- e. Calculations showing the VOC emission rates, in pounds per hour and tons per 12-month rolling time period, as determined at the end of each calendar month as outlined in Appendix 7, or an alternative that is acceptable to the District Supervisor.

All records/calculations shall be kept on file for a period of at least five years and made available to the Department upon request.

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Quarterly reporting of the VOC emissions. Due within 30 days of the end of the quarter in which the data were collected.² **(R 336.1201(3))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. NA

Footnotes:

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

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

**EU – Final Repair
 EMISSION UNIT CONDITIONS**

DESCRIPTION

Final repair system includes spot repair stations, two spovens, and two sanding booths.

Flexible Group ID: FG-MACT

POLLUTION CONTROL EQUIPMENT

Dry filter exhaust

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	45.0 ² lbs	Hour	EU-Final Repair	GC 13 SC V.1, VI.2	R336.1702
2. VOC	52.1 ² tons	12-month rolling time period	EU-Final Repair	SC V,1, VI.2	R336.1702
3. VOC	4.8 ² lbs per gallon of coating minus water as applied	Daily/Monthly (see SC VI.2)	EU-Final Repair	SC V.1, VI.2	R336.1702(d)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall not operate EU-Final Repair unless the exhaust filters are installed and operating properly.² **(R336.1910)**

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))**

- The VOC content, water content and density of any coating or material as applied and as received, shall be determined using federal Reference Test Method 24 or an alternative approved by the AQD District Supervisor. Alternatively, the VOC content may be determined from manufacturer's formulation data. If the tested and the formulation values should differ, the tested results shall be used to determine compliance. Upon request of the AQD District Supervisor, the VOC content, water content and density of any coating or material shall be verified using federal Reference Test Method 24. **(R336.2001, R336.2003 & R336.2004)**

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 conduct visual inspections of the associated exhaust filters for EU–Final Repair on a quarterly basis when coating has occurred. The permittee shall keep records of the inspections and maintenance activity to ensure proper operation of exhaust filters. **(R 336.1213(3))**
2. The permittee shall keep the following records/calculations in a format acceptable to the AQD District Supervisor. The permittee shall compile all required records and complete all required calculations and make them available within 30 days following the end of each calendar month for which records are required to be kept. **(R336.1213(3))**
 - a. The hours of operation, monthly records.
 - b. The quantity of materials used and the VOC content as applied, daily records unless all coatings VOC content when mixed with reducers is less than the limit in SC I.1, then monthly records may be kept.
 - c. The material identification.
 - d. The mixing ratio of coating and reducer, daily records unless all coatings VOC content when mixed with reducers is less than the limit in SC I.1, then monthly records may be kept.
 - e. VOC emission: Monthly calculation record of VOC emission rates (lbs/hr, tons/yr based upon a 12-month rolling time period, lbs/gal (minus water as applied) according to the Method outlined in Appendix 7, or an alternative method approved by DNRE-AQD.

See Appendix 7

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Quarterly reporting of the coating usage data. Due within 30 days of the end of the quarter in which the data were collected. **(R336.1213(3), 40 CFR Part 60 Subparts A & MM)**

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. SVNMB-A-19-01	54 ¹	53 ¹	R336.1901
2. SVNMB-A-19-02	54 ¹	53 ¹	R336.1901
3. SVNMB-A-19-03	54 ¹	53 ¹	R336.1901
4. SVNMB-A-25-01	54 ¹	53 ¹	R336.1901
5. SVNMB-A-25-02	54 ¹	53 ¹	R336.1901

IX. OTHER REQUIREMENT(S)

1. NA

Footnotes:

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

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

**EU-Tempboilers
EMISSION UNIT CONDITIONS**

DESCRIPTION

Two natural gas fired boilers, each rated at 25 MMBtu/hr.

Flexible Group ID:

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. NA

V. TESTING/SAMPLING

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

1. NA

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall keep monthly records of natural gas used for EU-Tempboilers. (R336.1213(3), 40 CFR 60 Subpart Dc)

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))

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

- The permittee shall comply with New Source Performance Standards (NSPS), 40 CFR, Part 60, Subpart Dc (Standards of Performance for Small Industrial Commercial-Institutional Steam Generating Units) and Subpart A (General Provisions). **(40 CFR, Part 60, Subpart Dc)**

Footnotes:

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

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

D. FLEXIBLE GROUP CONDITIONS

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

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

FLEXIBLE GROUP SUMMARY TABLE

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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FG-Gasoline Tanks	Two unleaded gasoline storage tanks.	EU-Unleadedgas1, EU-Unleadedgas1
FG-Rule 331		EU-Carpentershop EU-Plasmacut
FG-Storage Tanks	Storage tanks that are subject to NSPS subpart Kb.	EU-Autotranstank, EU-Dieseltank, EU-Ecresintank, EU-Engineoiltank, EU-Glycoltank, EU-Rearfluidtank, EU-Usedoiltank
FG-Boilers	Four natural gas fired boilers.	EU – Gas Boiler 3 (152 MM BTU), EU – Gas Boiler 4 (106 MM BTU), EU – Gas Boiler 5 (152 MM BTU), EU – Gas Boiler 6 (192 MM BTU)
FG-Reprocess	12 spot repair stations for reprocess painting.	EU-Reprocess (1-12)
FG-PMMisc	This group consists of various emission units that have the same particulate requirements.	EU-ColorOneSand EU-Polish Deck EU-ReProcessand EU-ReProPolish EU-UniPrimeSand
FG-Topcoat	FGTOPCOAT&HIBAKE: Two topcoat lines (EGCOLOR-ONE & EGCOLOR-TWO) & high bake-repair operation (EGHIBAKE-REPAIR). Each topcoat line consists of spray booths for applying topcoat to vehicle bodies and oven for curing. The high bake repair operation consists of a spray booth for topcoat application to repair vehicle bodies and oven for curing.	EU-Color One EU-Color Two EU-Reprocess

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FG-AUTOMACT	<p>Each new, reconstructed, or existing affected source as defined in Title 40 of the Code of Federal Regulations (CFR), Part 63.3082, that is located at a facility which applies topcoat to new automobile or new light duty truck bodies or body parts for new automobiles or new light duty trucks; AND/OR in which you choose to include, pursuant to 40 CFR 63.3082(c), any coating operations which apply coatings to new other motor vehicle bodies or body parts for new other motor vehicles; parts intended for use in new automobiles, new light duty trucks or new other motor vehicles; or aftermarket repair or replacement parts for automobiles, light duty trucks or other motor vehicles; and that is a major source, is located at a major source, or is part of a major source of emissions of hazardous air pollutants (HAPs) except as provided in 63.3081(c). This includes equipment covered by other permits, grandfathered equipment, and exempt equipment.</p>	<p>EU-Uniprime EU-Solvent Wipe EU-Color One EU-Color Two EU-Reprocess EU-Sealers&Adhesiv EU-Blackout Booth EU-Tutone EU-Final Repair</p>
FG-OLD	<p>The affected source is each new, reconstructed, or existing Organic Liquid Distribution (OLD) (non-gasoline) operation that is located at, or is part of a major source of hazardous air pollutant (HAP) emissions. The affected source is comprised of storage tanks, transfer racks, equipment leak components associated with storage tanks, transfer racks and pipelines, transport vehicles, and all containers while loading or unloading at transfer racks subject to this subpart. Equipment that is part of an affected source under another NESHAP is excluded from the affected source. (40 CFR 63.2338(c))</p> <p>These conditions specifically cover existing (construction pre dates April 2, 2002) liquid storage tanks which hold more than 5,000 gallons but less than 50,000 gallons and/or new liquid storage tanks which hold more than 5,000 gallons but less than 10,000 gallons of methanol/windshield washer fill solvents that are dispensed to newly assembled vehicles.</p>	
FG-COLDCLEANERS	<p>Any cold cleaner that is grandfathered or exempt from Rule 201 pursuant to Rule 278 and Rule 281(h) or Rule 285(r)(iv). Existing cold cleaners were placed into operation prior to July 1, 1979. New cold cleaners were placed into operation on or after July 1, 1979.</p>	
FG-RULE 287(c)	<p>Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rules 278 and 287(c).</p>	
FG-RULE 290	<p>Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rules 278 and 290.</p>	

**FG – Gasoline Tanks
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Two unleaded gasoline storage tanks.

Emission Units: EU–Unleadedgas1 (15,000 gal), EU–Unleadedgas2 (15,000 gal)

POLLUTION CONTROL EQUIPMENT

Vapor Balance System

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall equip, maintain, or control FG-Gasoline Tanks with all of the following:
 - a. An interlocking system to ensure the vapor-tight collection line shall close upon disconnection to prevent release of gasoline vapor. **(R336.1703(3)(a))**
 - b. A device to ensure that the vapor-tight collection line shall close upon disconnection to prevent release of gasoline vapor. **(R336.1703(3)(b))**
2. The vapor balance system shall be installed, maintained and operated in a satisfactory manner. **(R336.1213(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Each tank of FG-Gasoline Tanks shall be equipped with a permanent submerged fill pipe. **(R336.1703(1))**
2. Each storage vessel shall meet the following parameters:

Storage or transfer operations of volatile organic compounds or noncarcinogenic liquids in a vessel that has a capacity of not more than 40,000 gallons where the contents have a true vapor pressure of not more than 1.5 psia at the actual storage conditions. **(R 336.1284(i))**

V. TESTING/SAMPLING

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

1. NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. On a monthly basis, the permittee shall inspect the interlock system and the device to ensure the vapor tight collection line. **(R336.1213(3))**
2. The permittee shall keep a record of the following for each storage vessel:
(R 336.1213(3))
 - a. A monthly record of the inspections for the interlock system and the device to ensure the vapor tight collection line.
 - b. The identification (name, tank#, etc.).
 - c. Location within the plant.
 - d. The record of the dimensions of each vessel and analysis showing the capacity of the vessel. **(40 CFR 60.116b(b))**
 - e. The date of installation / modification.
 - f. The true vapor pressure of the material in the vessel at actual storage conditions.

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. NA

Footnotes:

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

**FG – Rule 331
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FGPM-RULE331: Particulate emission units that are subject to the same Rule 331 requirements.

Emission Unit: EU-Plasmacut, EU-Carpentershop, EU-Maintenancetoolshop

POLLUTION CONTROL EQUIPMENT

Exhaust Filters for EU-Plasmacut
 Baghouse for EU-Carpentershop
 Cyclone collector for EU-Maintenancetoolshop

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	0.10 Lbs per 1000 lbs of exhaust gas	Test protocol	FG-Rule331	GC13	R336.1331(1)(a)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall not operate FG-Rule 331 unless the corresponding control devices are installed and operating properly. (R336.1910)

IV. DESIGN/EQUIPMENT PARAMETER(S)

- NA

V. TESTING/SAMPLING

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

- NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

- The permittee shall implement and maintain a routine check to ensure proper operation of the control equipment for each emission unit on a monthly basis. Any maintenance activity performed on the control device shall be recorded and kept on file which will be available to AQD upon request. (R336.1213(3))

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. NA

Footnotes:

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

**FG – Storage Tanks
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Storage tanks that are subject to NSPS subpart Kb.

Emission Unit: EU-Autotranstank, EU-Dieseltank, EU-Ecresintank, EU-Engineoiltank, EU-Glycoltank, EU-Rearfluidtank, EU-Usedoiltank

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. NA

V. TESTING/SAMPLING

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

1. NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall keep a record of the following for each storage vessel:

- a. The identification (name, tank#, etc.).
- b. Location within the plant.
- c. The record of the dimensions of each vessel and analysis showing the capacity of the vessel. **(40 CFR 60.116b(b))**
- d. The date of installation / modification.
- e. The type of material contained in the vessel.
- f. The true vapor pressure of the material in the vessel at actual storage conditions if the vessel is exempt pursuant to R 336.1284(i) or has a capacity greater than 75 m³ (19812 gallons).

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. NA

Footnotes:

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

**FG - Boilers
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Natural gas fired boilers to produce steam and heat.

Emission Unit: EU – Gas Boiler 3 (152 MM BTU/hr), EU – Gas Boiler 4 (106 MM BTU/hr), EU – Gas Boiler 5 (152 MM BTU/hr), EU – Gas Boiler 6 (192 MM BTU/hr)

POLLUTION CONTROL EQUIPMENT

Boilers 3, 4 & 5 have low NOx burners

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NOx	119 ² tons	12-month rolling time period	FG-Boilers	SC V.1, VI.1	R336.1201(3)

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Natural Gas	1,305 ² MM cubic feet	12-month rolling time period	FG-Boilers	SC VI.1	R336.1201(3)

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall only burn natural gas in FG-Boilers.² (R336.1201(3))

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. NA

V. TESTING/SAMPLING

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

1. Verification of the NOx emission rate for each boiler by testing of FG-Boilers, at owners expense, is required according to the following schedule:
 - a. Within 2 years of issuance of this permit, if an acceptable NOx emission rate test has not been conducted within 2 years prior to the issuance of the RO permit, unless the permittee has submitted an acceptable demonstration that the most recent acceptable test remains valid and representative.

Verification of the NOx emission rate includes the submittal of a complete report of the test results. No less than 30 days prior to testing, a complete testing plan must be submitted to the DNRE-AQD. The final plan must be approved by the DNRE-AQD prior to testing. Not less than 7 days before any test are conducted, the permittee shall notify the DNRE-AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. (R336.1213(3), R336.2001(3))

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall monitor and record, in a satisfactory manner, the natural gas usage for FG-Boilers on a monthly basis.² **(R336.1201(3))**
2. The permittee shall conduct and record routine and scheduled preventative maintenance programs for the boiler. **(R336.1213(3))**

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVPH-C-08-B-03	71 ²	74 ²	40 CFR 52.21 (c) & (d)
2. SVPH-C-11-B-04	71 ²	74 ²	40 CFR 52.21 (c) & (d)
3. SVPH-C-13-B-05	71 ²	74 ²	40 CFR 52.21 (c) & (d)
4. SVPH-C-15-B-06	48 ²	73 ²	40 CFR 52.21 (c) & (d)

IX. OTHER REQUIREMENT(S)

1. NA

Footnotes:

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

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

**FG - Reprocess
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

12 spot repair stations for reprocess painting.

Emission Unit: EU-Reprocess (1-12)

POLLUTION CONTROL EQUIPMENT

Activated carbon and dry exhaust filters.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	146.4 ² lbs	Day	FG-Reprocess	SC V.1, VI.2	R336.1702(d), R336.1205, R336.1901, R336.1225
2. VOC	22.0 ² tons	12-month rolling time period	FG-Reprocess	SC V.1, VI.2	R336.1702(d), R336.1205, R336.1901, R336.1225
3. VOC	4.8 lbs per gallon, minus water, as applied	Daily/Monthly (see SC VI.2)	FG-Reprocess	SC V.1, VI.2	R336.1702(a)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall not apply coatings in the spot repair stations unless the portable infra-red curing and vapor collection units with carbon adsorption controls are installed and operating properly.² **(R336.1702(d), R336.1205, R336.1901, R336.1225)**
- The permittee shall equip and maintain all spot repair coating stations with high volume low pressure (HVLP) spray guns or equivalent technology with comparable transfer efficiency.² **(R336.1702(a) & R336.1205)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

- NA

V. TESTING/SAMPLING

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

1. The VOC content, water content and density of any coating or material as applied and as received, shall be determined using federal Reference Test Method 24 or an alternative approved by the AQD District Supervisor. Alternatively, the VOC content may be determined from manufacturer's formulation data. If the tested and the formulation values should differ, the tested results shall be used to determine compliance. Upon request of the AQD District Supervisor, the VOC content, water content and density of any coating or material shall be verified using federal Reference Test Method 24. **(R336.2001, R336.2003 & R336.2004)**

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 conduct inspections and maintain records of the inspections for the associated exhaust filters and carbon adsorption units for FG-Reprocess on a monthly basis when coating has occurred. The permittee shall keep records of the inspections and maintenance activity to ensure proper operation of exhaust filters and carbon adsorption units.² **(R336.1702(d), R336.1205, R336.1901, R336.1225)**
2. The permittee shall keep the following records/calculations in a format acceptable to the AQD District Supervisor. The permittee shall compile all required records and complete all required calculations and make them available within 30 days following the end of each calendar month for which records are required to be kept.² **(R336.1702(d), R336.1205, R336.1901, R336.1225)**
 - a. The hours of operation, monthly records.
 - b. The quantity of materials used and the VOC content as applied, daily records unless all coatings VOC content when mixed with reducers is less than the limit in SC I.3, then monthly records may be kept.
 - c. The material identification.
 - d. The mixing ratio of coating and reducer, daily records unless all coatings VOC content when mixed with reducers is less than the limit in SC I.1, then monthly records may be kept.
 - e. VOC emission: Daily/Monthly calculation (see VI.2(b) above) record of VOC emission rates (lbs/hr, tons/yr based upon a 12-month rolling time period, lbs/gal (minus water as applied) according to the Method outlined in Appendix 7, or an alternative method approved by DNRE-AQD.

See Appendix 7

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. NA

Footnotes:

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

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

**FG - PMMisc
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

This group consists of various emission units that have the same particulate requirements.

Emission Unit: EU-ColorOneSand, EU-PolishDeck, EU-Reprocesssand, EU-ReProPolish, EU-UniPrimeSand

POLLUTION CONTROL EQUIPMENT

Dry filter exhaust systems.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	1.0 ² mg per cubic meter, @70 degrees Fahrenheit and 29.92 inches Hg from each of the emission group.	Test Protocol	FG-PMMisc	GC 13	R336.1201(3)

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall not operate FG-PMMisc unless the associated exhaust filters are installed and operating properly.² (R336.1910)

IV. DESIGN/EQUIPMENT PARAMETER(S)

- NA

V. TESTING/SAMPLING

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

- NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

- The permittee shall inspect the integrity of the exhaust filters on a monthly basis to ensure proper operation. Any maintenance activity performed on the exhaust filters shall be recorded and kept on file. (R336.1213(3))

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. NA

Footnotes:

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

**FG - Topcoat
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FGTOPCOAT&HIBAKE: Two topcoat lines (EGCOLOR-ONE & EGCOLOR-TWO) & high bake-repair operation (EGHIBAKE-REPAIR). Each topcoat line consists of spray booths for applying topcoat to vehicle bodies and oven for curing. The high bake repair operation consists of a spray booth for topcoat application to repair vehicle bodies and oven for curing.

Emission Unit: EU-Color One, EU-Color Two, EU-Reprocess

POLLUTION CONTROL EQUIPMENT

COLOR: Water Wash System for the spray booths of EGCOLOR-ONE
 COLOR: Thermal Oxidizer for bake oven of EGCOLOR-ONE
 COLOR: Water Wash System for the spray booths of EGCOLOR-TWO
 COLOR: Thermal Oxidizer for bake oven of EGCOLOR-TWO
 HIBAKE: Water Wash System for the spray booths of EGHIBAKE-REPAIR
 HI-BAKE: Thermal Oxidizer for bake oven of EGHIBAKE-REPAIR

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	1.47 ² (12.3 lbs/GAC) kg per liter of applied coating solids	Calendar month average	FG-Topcoat	SC V.1, VI.4, VI.6	R336.1702(a) 40 CFR 60 Subpart MM
2. VOC	270.2 ² lbs	Per Hour operated in a calendar month	Spray booths of each topcoat line	GC 13 SC V.1, VI.6, VI.7	R336.1220
3. VOC	582.11 ² tons	12-month rolling time period	Spray booths of each topcoat line	SC V.1, VI.7	R336.1220
4. VOC	6.8 ² lbs	Per Hour operated in a calendar month	Bake Ovens of each topcoat line	GC 13 SC V.1, VI.6, VI.7	R336.1220
5. VOC	15.67 ² tons	12-month rolling time period	Bake Ovens of each topcoat line	SC V.1, VI.7	R336.1220
6. VOC	89.9 ² lbs	Per Hour operated in a calendar month	High Bake Repair Spray booth	GC 13 SC V.1, VI.6, VI.7	R336.1220
7. VOC	193.74 ² tons	12-month rolling time period	High Bake Repair Spray booth	SC V.1, VI.7	R336.1220
8. VOC	2.3 ² lbs	Per Hour operated in a calendar month	High Bake Repair bake oven	GC 13 SC V.1, VI.6, VI.7	R336.1220
9. VOC	5.22 ² tons	12-month rolling time period	High Bake Repair bake oven	SC V.1, VI.7	R336.1220

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate FG-Topcoat unless the associated thermal oxidizers are installed and operating properly. Proper operation means to maintain a minimum temperature of 1337 °F (725 °C) or the temperature through the most recent test that demonstrated the equivalent destruction efficiency and has been accepted by the AQD District Supervisor.² **(R336.1910, 40 CFR 64.6(c)(1)(i),(ii))**
2. The permittee shall not operate FG-Topcoat unless the associated water wash systems are installed and operating properly.² **(R 336.1910)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. NA

V. TESTING/SAMPLING

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

1. The VOC content, water content and density of any coating or material as applied and as received, shall be determined using federal Reference Test Method 24 or an alternative approved by the AQD District Supervisor. Alternatively, the VOC content may be determined from manufacturer’s formulation data. If the tested and the formulation values should differ, the tested results shall be used to determine compliance. Upon request of the AQD District Supervisor, the VOC content, water content and density of any coating or material shall be verified using federal Reference Test Method 24. **(R336.2001, R336.2003 & R336.2004)**
2. Verification of the transfer efficiency rates of the each topcoat line by testing, at owners expense, is required according to the following schedule, unless the permittee can demonstrate that the topcoat lines are identical:
 - a. Within 180 days of issuance of this permit if an acceptable transfer efficiency test has not been conducted within 5 years prior to the issuance of the RO permit, unless the permittee has submitted an acceptable demonstration that the most recent acceptable test remains valid and representative.
 - b. Within 180 days of making any changes in operating conditions which necessitate reevaluation of the transfer efficiency, as required by the EPA Protocol.

Verification of the transfer efficiency rate includes the submittal of a complete report of the test results. No less than 30 days prior to testing, a complete testing plan must be submitted to the DNRE-AQD. The final plan must be approved by the DNRE-AQD prior to testing. Not less than 7 days before any test are conducted, the permittee shall notify the DNRE-AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R336.1213(3), R336.2001(3))**

3. Verification of Oven Exhaust Control Device VOC Loading rates of each Topcoat line & high bake repair operation by testing, at owner expense, is required according to the following schedule, unless the permittee can demonstrate that the topcoat lines are identical:
 - a. Within 180 days of issuance of this permit if an Oven Exhaust Control Device VOC Loading test has not been conducted within 5 years prior to the issuance of the RO permit, unless the permittee has submitted an acceptable demonstration that the most recent acceptable test remains valid and representative, and at least once during the term.
 - b. Within 180 days of making any changes in operating conditions which necessitate reevaluation of the Oven Exhaust Control Device VOC Loading rates.

Verification of Oven Exhaust Control Device VOC Loading rates includes the submittal of a complete report of the test results. No less than 7 days before any tests are conducted, the permittee shall notify the DNRE-AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R336.1213(3), R336.2001(3))**

4. Verification of Destruction efficiency of the Thermal Oxidizer for the associated oven of each topcoat line & high bake repair operation by testing, at owner expense, is required according to the following schedule:
 - a. Within 180 days of issuance of this permit if Destruction efficiency test of the Thermal Oxidizer for the oven has not been conducted within 5 years prior to the issuance of the RO permit, unless the permittee has submitted an acceptable demonstration that the most recent acceptable test remains valid and representative, and at least once during the term.
 - b. Within 180 days of making any changes in operating conditions which necessitate reevaluation of the Destruction efficiency of the Thermal Oxidizer.

Verification of Destruction efficiency of the Thermal Oxidizer for the oven includes the submittal of a complete report of the test results. No less than 7 days before any tests are conducted, the permittee shall notify the DNRE-AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R336.1213(3), R336.2001(3))**

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall install, calibrate (in accordance with manufacturer's recommendation), and maintain measurement and recording devices to monitor each thermal oxidizer temperature. A temperature measurement device shall have an accuracy of greater than ± 0.75 percent of the temperature being measured expressed in degree Celsius or ± 2.5 °C. The temperature measurement device shall be equipped with recording device so that permanent, continuous record of the thermal oxidizer temperature is produced.² **(R336.1201(3) & 40 CFR Part 60 Subpart MM 60.394, 40 CFR 64.6(c)(1)(i),(ii))**
2. The permittee shall conduct visual inspections of the water wash system on a weekly basis during weeks while production is occurring.² **(R336.1201(3))**
3. The temperature monitor of the thermal oxidizer shall be placed in the firebox or in the duct immediately downstream of the firebox before any substantial heat exchange occurs. **(R 336.1213(3), 40 CFR 64.6(c)(1)(i),(ii))**
4. Records of the following data, test documentation, and annual reviews which are necessary to perform the calculations in accordance with the publication entitled "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-duty Truck Topcoat Operations", EPA-453/R-08-002, or as amended (The EPA Protocol): **(R336.1213(3))**
 - a) For each type of coating used during the calendar month:
 - i) Coating identification;
 - ii) Analytical VOC content as determined by EPA Reference Test Method 24;
 - iii) Formulation VOC and volume solids content;
 - iv) Coating usage (daily or monthly), including withdrawals; and
 - v) Dilution solvent usage and density.
 - b) Number of vehicles coated per production day by body style, coating color, and square footage coated (or equivalent unit), unless daily coating records are kept.
 - c) Transfer efficiency (TE).

- i) Value(s) used in protocol calculations;
 - ii) Value(s) from most recent test; and
 - iii) Annual review of operating conditions to demonstrate that the transfer efficiency remains valid.
- d) Oven exhaust control device VOC loading (booth/oven split).
- i) Value(s) used in protocol calculations;
 - ii) Value(s) from most recent test; and
 - iii) Annual review of operating conditions to demonstrated that the oven exhaust control device VOC loading remains valid.
- e) Destruction Efficiency of the control device;
- i) Value(s) used in protocol calculations; and
 - ii) Value(s) derived from most recent test.
5. Records of the VOC emission rate (pounds of VOC per gallon of applied coating solids) for each production day, which shall be determined by using the EPA Protocol. **(R336.1213(3))**
6. Plant production hours: Monthly records. **(R336.1213(3))**
7. Records of the VOC mass emission rates (pounds per hour, tons per month, and tons per 12-month rolling time period) shall be calculated according to the method in Appendix 7 or an alternative method that is acceptable to the DNRE-AQD. **(R336.1213(3))**
8. Weekly records of the condition of water wash system and records of the date of maintenance / repairs. **(R336.1213(3))**
9. Calibration records of the temperature measurement devices. **(R336.1213(3))**
10. For each control device in operation during production (coating vehicles, etc.), if such bypass can occur based upon on the design of the pollutant specific emission unit, the permittee shall conduct bypass monitoring for each bypass line such that the valve or closure method cannot be opened without creating an alarm condition for which a record shall be made. Records of the bypass line that was open and the length of time the bypass was open shall be kept on file. **(40 CFR 64.3(a)(2))**
11. The permittee shall develop, maintain and implement, an Operation and Maintenance (O&M) plan for FG-Topcoat. The CAM O&M plan shall at a minimum contain the elements outlined in Appendix 3. The plan shall be updated as necessary to reflect changes in monitoring, to implement corrective actions and to address malfunctions. Changes in the CAM portion of the operations and maintenance plan shall be submitted to the district supervisor for review and approval. All records and activities associated with the O&M shall be kept on file for a period of at least five years and made available to the department upon request. **(40 CFR 64.6(c)(1)(i),(ii), 40 CFR 64.7(e))**

See Appendices 3 & 7

VII. REPORTING

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

4. Quarterly reporting of the emissions data with an acceptable format to AQD. Due within 30 days of the end of the quarter in which the data were collected. **(R 336.1213(3), NSPS 40 CFR, Part 60 Subparts A & MM)**
5. Each semiannual report of monitoring and deviations shall include summary information on the number, duration and cause of excursions or exceedances, as applicable and the corrective actions taken. If there were no excursions or exceedances in the reporting period, then this report shall include a statement that there were no excursions or exceedances. **(40 CFR 64.9(a)(2)(i))**

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. SVSMB-G-03-01	NA	42 ¹	R336.1901
2. SVSMB-G-03-01	NA	42 ¹	R336.1901
3. SVSMB-G-03-01	NA	42 ¹	R336.1901
4. SVSMB-G-03-01	NA	42 ¹	R336.1901
5. SVSMB-G-10-01	NA	105 ¹	R336.1901
6. SVSMB-G-12-01	NA	105 ¹	R336.1901
7. SVSMB-G-13-C1-01	NA	105 ¹	R336.1901
8. SVSMB-G-13-C1-02	NA	105 ¹	R336.1901
9. SVSMB-G-13-C1-03	NA	105 ¹	R336.1901
10. SVSMB-G-13-C1-04	NA	105 ¹	R336.1901
11. SVSMB-G-14-C1-01	NA	105 ¹	R336.1901
12. SVSMB-G-14-C1-02	NA	105 ¹	R336.1901
13. SVSMB-G-14-C1-03	NA	105 ¹	R336.1901
14. SVSMB-G-14-C1-04	NA	105 ¹	R336.1901
15. SVSMB-G-15-C1-01	NA	105 ¹	R336.1901
16. SVSMB-G-15-C1-02	NA	105 ¹	R336.1901
17. SVSMB-G-15-C1-03	NA	105 ¹	R336.1901
18. SVSMB-G-15-C1-01	NA	105 ¹	R336.1901
19. SVSMB-G-16-C1-02	NA	105 ¹	R336.1901
20. SVSMB-G-16-C1-03	NA	105 ¹	R336.1901
21. SVSMB-G-16-C1-04	NA	105 ¹	R336.1901
22. SVSMB-G-17-C1-01	NA	105 ¹	R336.1901
23. SVSMB-G-17-C1-02	NA	105 ¹	R336.1901
24. SVSMB-G-17-C1-03	NA	105 ¹	R336.1901
25. SVSMB-G-17-C1-04	NA	105 ¹	R336.1901
26. SVSMB-G-18-C1-01	NA	105 ¹	R336.1901
27. SVSMB-G-18-C1-02	NA	105 ¹	R336.1901
28. SVSMB-G-18-C1-03	NA	105 ¹	R336.1901
29. SVSMB-G-19-C1-01	NA	105 ¹	R336.1901
30. SVSMB-G-19-C1-02	NA	105 ¹	R336.1901
31. SVSMB-G-19-C1-03	NA	105 ¹	R336.1901
32. SVSMB-G-19-C1-04	NA	105 ¹	R336.1901
33. SVSMB-H-02-01	NA	42 ¹	R336.1901
34. SVSMB-H-03-01	NA	42 ¹	R336.1901
35. SVSMB-H-03-02	NA	42 ¹	R336.1901
36. SVSMB-H-08-02	NA	42 ¹	R336.1901
37. SVSMB-H-10-02	NA	42 ¹	R336.1901

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
38. SVSMB-H-12-02	NA	90 ¹	R336.1901
39. SVSMB-H-14-C2-01	NA	90 ¹	R336.1901
40. SVSMB-H-14-C2-02	NA	90 ¹	R336.1901
41. SVSMB-H-14-C2-03	NA	90 ¹	R336.1901
42. SVSMB-H-14-C2-04	NA	90 ¹	R336.1901
43. SVSMB-H-15-C2-01	NA	90 ¹	R336.1901
44. SVSMB-H-15-C2-02	NA	90 ¹	R336.1901
45. SVSMB-H-15-C2-03	NA	90 ¹	R336.1901
46. SVSMB-H-16-C2-01	NA	90 ¹	R336.1901
47. SVSMB-H-16-C2-02	NA	90 ¹	R336.1901
48. SVSMB-H-16-C2-03	NA	90 ¹	R336.1901
49. SVSMB-H-16-C2-04	NA	90 ¹	R336.1901
50. SVSMB-H-17-C2-01	NA	90 ¹	R336.1901
51. SVSMB-H-17-C2-02	NA	90 ¹	R336.1901
52. SVSMB-H-17-C2-03	NA	90 ¹	R336.1901
53. SVSMB-H-17-C2-04	NA	90 ¹	R336.1901
54. SVSMB-H-18-C2-01	NA	90 ¹	R336.1901
55. SVSMB-H-18-C2-02	NA	90 ¹	R336.1901
56. SVSMB-H-18-C2-03	NA	90 ¹	R336.1901
57. SVSMB-H-19-C2-01	NA	90 ¹	R336.1901
58. SVSMB-H-19-C2-02	NA	90 ¹	R336.1901
59. SVSMB-H-19-C2-03	NA	90 ¹	R336.1901
60. SVSMB-H-19-C2-04	NA	90 ¹	R336.1901
61. SVSMB-H-20-C2-01	NA	90 ¹	R336.1901
62. SVSMB-H-20-C2-02	NA	90 ¹	R336.1901
63. SVSMB-J-02-01	NA	42 ¹	R336.1901
64. SVSMB-J-03-01	NA	42 ¹	R336.1901
65. SVSMB-J-03-02	NA	42 ¹	R336.1901
66. SVSMB-J-08-02	NA	42 ¹	R336.1901
67. SVSMB-K-10-02	NA	42 ¹	R336.1901
68. SVSMB-J-13-01	NA	90 ¹	R336.1901
69. SVSMB-J-13-02	NA	90 ¹	R336.1901
70. SVSMB-J-13-03	NA	90 ¹	R336.1901
71. SVSMB-J-13-04	NA	90 ¹	R336.1901
72. SVSMB-J-14-01	NA	90 ¹	R336.1901
73. SVSMB-J-14-02	NA	90 ¹	R336.1901
74. SVSMB-J-14-03	NA	90 ¹	R336.1901
75. SVSMB-J-14-04	NA	90 ¹	R336.1901
76. SVSMB-J-15-01	NA	90 ¹	R336.1901
77. SVSMB-J-15-02	NA	90 ¹	R336.1901
78. SVSMB-J-15-03	NA	90 ¹	R336.1901
79. SVSMB-J-16-01	NA	90 ¹	R336.1901
80. SVSMB-J-16-02	NA	90 ¹	R336.1901
81. SVSMB-J-16-03	NA	90 ¹	R336.1901
82. SVSMB-J-16-04	NA	90 ¹	R336.1901
83. SVSMB-J-16-05	NA	90 ¹	R336.1901

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with New Source Performance Standards (NSPS), 40 CFR, Part 60, Subpart MM (Standards of Performance for Automobile and Truck Surface Coating Operations) and Subpart A (General Provisions). **(40 CFR, Part 60, Subpart MM)**

2. For the purposes of Compliance Assurance Monitoring (CAM), excursions will be defined as follows: **(40 CFR 64.6(c)(2))**
 - a. A temperature excursion is defined as a confirmed three-hour period during which the average fails to meet the specified temperature requirements in special condition III.1.
 - b. A monitoring excursion is defined as a failure to properly monitor as required in special conditions VI.1, VI.3 and VI.10.
 - c. An monitoring excursion is defined as failure to properly implement and/or maintain the O&M plan required in special conditions VI.11
3. The permittee shall comply with all applicable requirements of 40 CFR Part 64. **(40 CFR Part 64)**

Footnotes:

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

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

**FG-AUTOMACT
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Each new, reconstructed, or existing affected source as defined in Title 40 of the Code of Federal Regulations (CFR), Part 63.3082, that is located at a facility which applies topcoat to new automobile or new light duty truck bodies or body parts for new automobiles or new light duty trucks; AND/OR in which you choose to include, pursuant to 40 CFR 63.3082(c), any coating operations which apply coatings to new other motor vehicle bodies or body parts for new other motor vehicles; parts intended for use in new automobiles, new light duty trucks or new other motor vehicles; or aftermarket repair or replacement parts for automobiles, light duty trucks or other motor vehicles; and that is a major source, is located at a major source, or is part of a major source of emissions of hazardous air pollutants (HAPs) except as provided in 63.3081(c). This includes equipment covered by other permits, grandfathered equipment, and exempt equipment.

EMISSION UNITS: EU-Uniprime, EU-Solvent Wipe, EU-Antichip, EU-Color One, EU-Color Two, EU-Reprocess, EU-Sealers&Adhsiv, EU-Blackout Booth, EU-Tutone, EU-Final Repair

POLLUTION CONTROL EQUIPMENT

• I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Organic HAP	0.60 lb per GACS	Calendar month	Existing – FG-AUTOMACT WITH Uniprime	Condition Nos. III.2, V.1 & VI.3	40 CFR 63.3091(a)
2. Organic HAP*	1.10 lbs per GACS	Calendar month	Existing – FG-AUTOMACT	Condition Nos. III.2, V.1 & VI.3	40 CFR 63.3091(b)
3. Organic HAP	0.01 lb per lb of coating	Calendar month	Existing – EU-Sealers&Adhesiv	Condition Nos. III.2, V.1 & VI.3	40 CFR 63.3090(c) or 63.3091(c)
4. Organic HAP	0.01 lb per lb of coating	Calendar month	Existing – EU-DEADENERBOOTH	Condition Nos. III.2, V.1 & VI.3	40 CFR 63.3090(d) or 63.3091(d)
<ul style="list-style-type: none"> • FG-MACT includes Guidecoat, Topcoat, Final Repair, Glass Bonding Primer, and Glass Bonding Adhesive operations plus all coatings and thinners, except for deadener materials and adhesive and sealers not part of glass bonding systems. • FG-MACT WITH ECOAT also includes Electrocoat operations in addition to all of the operations of FG-MACT. • EU-ADHESIVES/SEALERS include only adhesives and sealers that are not part of glass bonding systems. 					
* Permittee may choose to comply with this limit if the requirements of Condition No. I.5 is met.					

5. The permittee may choose to comply with either Special Condition numbers I.1 or I.2. The permittee may choose to comply with Special Condition number I.2 only if Electrocoat system (EU-Uniprime) meets either of the following requirements. **(40 CFR 63.3092)**

- a) Each individual material added to the Uniprime system contains no more than 1.0 percent by weight of any organic HAP and no more than 0.10 percent by weight of any OSHA-defined carcinogenic organic HAP, or
- b) The emissions from all Electrocoat bake ovens are captured and ducted to a CONTROL DEVICE having a minimum destruction or removal efficiency of at least 95 percent (by weight).

II. MATERIAL LIMIT(S)

1. NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

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

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

The work practice plan shall not become part of the facility's Renewable Operating Permit (ROP). Revisions to the work practice plan likewise do not represent revisions to the facility's ROP. Copies of the current work practice plan and any earlier plan developed within the past 5 years are required to be made available for inspection and copying by the AQD upon request. **(40 CFR 63.3094)**

2. For any coating operation(s) for which HAP emission reductions due to the use of add-on control equipment are relied upon to demonstrate compliance with the emission limits in Special Condition Nos. I.1 through I.4 above, the permittee shall meet the operating limits specified in Table 1 of 40 CFR 63, Subpart IIII as identified below. The operating limits in Table 1 apply to the emission capture and add-on control systems on the coating operations. The permittee must establish the operating limits during the performance test according to the requirements in 40 CFR 63.3167. The operating limits shall be met at all times after they are established,

except for periods of startup, shutdown and malfunction. **(40 CFR 63.3093, 40 CFR 63.3100(b) and (d) and Table 1)**

Add-On Control Device	Operating Limit
Thermal Oxidizer	The average combustion temperature in any 3-hour period must not fall below the combustion temperature limit established according to 40 CFR 63.3167(a).
Catalytic Oxidizer	The average temperature measured just before the catalyst bed in any 3-hour period must not fall below the limit established according to 40 CFR 63.3167(b); and either: Ensure that the average temperature difference across the catalyst bed in any 3-hour period does not fall below the temperature difference limit established according to 40 CFR 63.3167(b)(2); or, Develop and implement an inspection and maintenance plan according to 40 CFR 63.3167(b)(4).
Regenerative Carbon Adsorber	The total regeneration desorbing gas (e.g., steam or nitrogen) mass flow for each carbon bed regeneration cycle must not fall below the total regeneration desorbing gas mass flow limit established according to 40 CFR 63.3167(c). The temperature of the carbon bed after completing each regeneration and any cooling cycle must not exceed the carbon bed temperature limit established according to 40 CFR 63.3167(c).
Concentrators, Including Zeolite Wheels and Rotary Carbon Adsorbers	The average desorption gas inlet temperature in any 3-hour period must not fall below the limit established according to 40 CFR 63.3167(e).
Emission Capture System that is a Permanent Total Enclosure (PTE), Except for Downdraft Spray Booths, Flash-Off Areas, or Bake Ovens Associated with Downdraft Spray Booths	The direction of the air flow at all times must be into the enclosure; and either: The average facial velocity of air through all natural draft openings in the enclosure must be at least 200 feet per minute; or, The pressure drop across the enclosure must be at least 0.007 inch water, as established in Method 204 of Appendix M to 40 CFR 51.
Emission Capture System that is not a PTE, Except for Downdraft Spray Booths, Flash-Off Areas, or Bake Ovens Associated with Downdraft Spray Booths	The average gas volumetric flow rate or duct static pressure in each duct between a capture device and add-on control device inlet in any 3-hour period must not fall below the average volumetric flow rate or duct static pressure limit established for that capture device according to 40 CFR 63.3167(f).

3. The permittee shall develop and implement a written startup, shutdown and malfunction plan (SSMP) in accordance with 40 CFR 63.6(e)(3). This plan must address the startup, shutdown and corrective actions in the event of a malfunction of any emission capture system or add-on control device upon which compliance with any of the emission limits in Special Condition numbers I.1 through I.4 depends. The SSMP must also address any coating operation equipment that may cause increased emissions or that would affect capture efficiency if the process equipment malfunctions, such as conveyors that move parts among enclosures. **(40 CFR 63.3100(f))**
4. The permittee shall operate and maintain FG-AUTOMACT including any emission capture system or add-on control device upon which compliance with any of the emission limits in Special Condition numbers I.1 through I.4 depends according to the provisions in 40 CFR 63.6(e)(1)(i). **(40 CFR 63.3100(d))**
5. The permittee shall maintain a log detailing the operation and maintenance of any emission capture system, add-on control device, or continuous parameter monitor upon which compliance with any of the emission limits in Special Condition numbers I.1 through I.4 depends. The log shall cover the period between the compliance date specified in 40 CFR 63.3083 and the date when the initial emission capture system and add-on control device performance tests have been completed, as specified in 40 CFR 63.3160. **(40 CFR 63.3100(e))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii), 40 CFR 63.3130, 40 CFR 63.3131)**

1. The permittee shall perform the applicable performance tests and compliance demonstrations in accordance with 40 CFR 63.3150-3152, 40 CFR 63.3160-3161, 40 CFR 63.3163-3168, 40 CFR 63.3170-3171, and 40 CFR 63.3173. **(40 CFR, Part 63, Subpart IIII)**

2. The permittee may rely upon the results of capture, destruction or transfer efficiency tests that have been previously conducted upon written approval from the AQD District Supervisor. Any such previous tests must meet the criteria identified in 40 CFR 63.3160(c)(1) through (3). **(40 CFR 63.3160)**
3. The permittee shall determine the mass fraction of each organic HAP for each material used according to the procedures established under 40 CFR 63.3151(a)(1) through (5). The permittee may use USEPA Method ALT-017 as an alternative for any material used, after demonstrating that its use as an alternative test methodology for that material, has been approved by the USEPA pursuant to the requirements of 40 CFR 63.3151(a)(3) and 40 CFR 63.7. **(40 CFR 63.7, 40 CFR 63.3151)**

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii), 40 CFR 63.3131)**

1. The permittee shall compile all required records and complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the end of the calendar month following each compliance period unless otherwise specified in any monitoring/recordkeeping condition. **(R 336.1213(3))**
2. The permittee shall conduct an initial compliance demonstration for the initial compliance period described in 40 CFR 63.3150-3151, 40 CFR 63.3160-3161, and 40 CFR 63.3170-3171. The initial compliance period begins on the applicable compliance date specified in 40 CFR 63.3083 and ends on the last day of the month following the compliance date. If the initial date occurs on any day other than the first day of a month, then the initial compliance period extends through the end of that month plus the next month. **(40 CFR 63.3150, 40 CFR 63.3160, 40 CFR 63.3170, 40 CFR 63.3083(a) and (b))**
3. The permittee shall install, operate and maintain each Continuous Parameter Monitoring System (CPMS) according to the requirements of 40 CFR 63.3168(a). If the capture system contains a bypass line, the permittee shall comply with the requirements of 40 CFR 63.3168(b). **(40 CFR 63.3168)**
4. The permittee shall keep all records as required by 40 CFR 63.3130 in the format and timeframes outlined in 40 CFR 63.3131. **(40 CFR 63.3152(c), 40 CFR 63.3163(j))**
5. The permittee shall maintain, at a minimum, the following records as of the applicable compliance date, for each compliance period:
 - a) A copy of each notification and report that is submitted to comply with 40 CFR, Part 63, Subpart IIII and the documentation supporting each notification and report. **(40 CFR 63.3130(a))**
 - b) A current copy of information provided by materials suppliers or manufactures, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP for each coating, thinner and cleaning material, the density for each coating and thinner, and the volume fraction of coating solids for each coating. **(40 CFR 63.3130(b))**
 - c) For each coating or thinner used in FG-AUTOMACT or FG-AUTOMACT WITH ECOAT, the volume used in each month, the mass fraction organic HAP content, the density, and the volume fraction of solids. **(40 CFR 63.3130(c))**
 - d) For each material used in EU-DEADENERBOOTH and EU-SEALRSADH, the mass used in each month and the mass organic HAP content. **(40 CFR 63.3130(c))**
 - e) Calculations of the organic HAP emission rate for FG-AUTOMACT or FG-AUTOMACT WITH ECOAT in pounds per gallon of applied coating solids. If permittee chooses to comply with the option identified in Special Condition I.5.a., a record of the weight fraction of each organic HAP in each material added to the Electrocoat system. These calculations and records must include all raw data, algorithms, and intermediate calculations. If the "Protocol for Determining Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations," EPA-450/3-88-018 (Docket ID No.

OAR–2002–0093 and Docket ID No. A–2001–22), is used, all data input to this protocol must be recorded. If these data are maintained as electronic files, the electronic files, as well as any paper copies must be maintained. **(40 CFR 63.3130(c), 40 CFR 63.3163, 40 CFR 63.3173)**

- f) Calculation of the average monthly mass organic HAP content in pounds per pound of coating, separately for EU-DEADENERBOOTH and EU-Sealers&Adhesiv. **(40 CFR 63.3130(c), 40 CFR 63.3152)**
- g) The name, volume, mass fraction organic HAP content and density of each cleaning material used. **(40 CFR 63.3130(d) - (f))**
- h) Any additional records pertaining to deviations; startup, shutdown or malfunctions; emission capture systems; performance testing; capture and control efficiency determinations; transfer efficiency determinations; work practice plans; and design and operation of control and monitoring systems for any emission capture system or add-on control device upon which compliance with any of the emission limits in Special Condition numbers I.1 through I.4 depends, pursuant to 40 CFR 63.3130(g) through (o). **(40 CFR 63.3130(g) – (o))**
- i) Records pertaining to the design and operation of control and monitoring systems for any emission capture system or add-on control device upon which compliance with any of the emission limits in Special Condition numbers I.1 through I.4 depends must be maintained on-site for the life of the equipment in a location readily available to plant operators and inspectors. **(40 CFR 63.3130(o))**

6. For any coating operation(s) using add-on controls, the permittee shall demonstrate continuous compliance with the operating limits specified in Table 1 of 40 CFR, Part 63, Subpart IIII for any emission capture system or add-on control device upon which compliance with any of the emission limits in Special Condition numbers I.1 through I.4 depends pursuant to 40 CFR 63.3163 and 40 CFR 63.3173 using the method(s) described below: **(40 CFR 63.3163, 40 CFR 63.3173 and Table 1)**

Add-On Control Device	Operating Limit	Continuous Compliance Demonstration Method
Thermal Oxidizer	The average combustion temperature in any 3-hour period must not fall below the combustion temperature limit established according to 40 CFR 63.3167(a).	<ul style="list-style-type: none"> a. Collect the combustion temperature data according to 40 CFR 63.3168(c); b. Reduce the data to 3-hour block averages; and c. Maintain the 3-hour average combustion temperature at or above temperature limit.
Catalytic Oxidizer	<p>The average temperature measured just before the catalyst bed in any 3-hour period must not fall below the limit established according to 40 CFR 63.3167(b); and either:</p> <p>Ensure that the average temperature difference across the catalyst bed in any 3-hour period does not fall below the temperature difference limit established according to 40 CFR 63.3167(b)(2); or,</p> <p>Develop and implement an inspection and maintenance plan according to 40 CFR 63.3167(b)(4).</p>	<ul style="list-style-type: none"> a. Collect the temperature data according to 40 CFR 63.3168(c); b. Reduce the data to 3-hour block averages; and c. Maintain the 3-hour average temperature before the catalyst bed at or above the temperature limit. <ul style="list-style-type: none"> a. Collect the temperature data according to 40 CFR 63.3168(c); b. Reduce the data to 3-hour block averages; and c. Maintain the 3-hour average temperature difference at or above the temperature difference limit; or <ul style="list-style-type: none"> a. Maintaining an up-to-date inspection maintenance plan, records of annual catalyst activity checks, records of monthly inspections of the oxidizer system, and records of the annual internal inspections of the catalyst bed. If a problem is discovered during a monthly or annual inspection required by 40 CFR 63.3167(b)(4), take corrective action as soon as practicable consistent with the manufacturer's recommendations.
Regenerative Carbon Adsorber	The total regeneration desorbing gas (e.g., steam or nitrogen) mass flow for each carbon bed regeneration cycle must not fall below the total regeneration desorbing gas mass flow limit established according to	<ul style="list-style-type: none"> a. Measure the total regeneration desorbing gas (e.g., steam or nitrogen) mass flow for each regeneration cycle according to 40 CFR 63.3168(d); and

Add-On Control Device	Operating Limit	Continuous Compliance Demonstration Method
	40 CFR 63.3167(c). The temperature of the carbon bed after completing each regeneration and any cooling cycle must not exceed the carbon bed temperature limit established according to 40 CFR 63.3167(c).	b. Maintain the total regeneration desorbing gas mass flow at or above the mass flow limit. a. Measure the temperature of the carbon bed after completing each regeneration and any cooling cycle according to 40 CFR 63.3168(d); and b. Operate the carbon beds such that each carbon bed is not returned to service until completing each regeneration and any cooling cycle until the recorded temperature of the carbon bed is at or below the temperature limit.
Concentrators, Including Zeolite Wheels and Rotary Carbon Adsorbers	The average desorption gas inlet temperature in any 3-hour period must not fall below the limit established according to 40 CFR 63.3167(e).	a. Collect the temperature data according to 40 CFR 63.3168(f); b. Reduce the data to 3-hour block averages; and c. Maintain the 3-hour average temperature at or above the temperature limit.
Emission Capture System that is a Permanent Total Enclosure (PTE), Except for Downdraft Spray Booths, Flash-Off Areas, or Bake Ovens Associated with Downdraft Spray Booths	The direction of the air flow at all times must be into the enclosure; and either: The average facial velocity of air through all natural draft openings in the enclosure must be at least 200 feet per minute; or, The pressure drop across the enclosure must be at least 0.007 inch water, as established in Method 204 of Appendix M to 40 CFR 51.	a. Collect the direction of air flow, and either the facial velocity of air through all natural draft openings according to 40 CFR 63.3168(g)(1) or the pressure drop across the enclosure according to 40 CFR 63.3168(g)(2); and b. Maintain the facial velocity of air flow through all natural draft openings or the pressure drop at or above the facial velocity limit or pressure drop limit, and maintaining the direction of air flow into the enclosure at all times.
Emission Capture System that is not a PTE, Except for Downdraft Spray Booths, Flash-Off Areas, or Bake Ovens Associated with Downdraft Spray Booths	The average gas volumetric flow rate or duct static pressure in each duct between a capture device and add-on control device inlet in any 3-hour period must not fall below the average volumetric flow rate or duct static pressure limit established for that capture device according to 40 CFR 63.3167(f).	a. Collecting the gas volumetric flow rate or duct static pressure for each capture device according to 40 CFR 63.3168(g); b. Reducing the data to 3-hour block averages; and c. Maintaining the 3-hour average gas volumetric flow rate or duct static pressure for each capture device at or above the gas volumetric flow rate or duct static pressure limit.

7. Permittee shall monitor or secure the valve or closure mechanism controlling each bypass line for each capture system upon which compliance with any of the emission limits in Special Condition numbers I.1 through I.4 depends in a non-bypass mode such that the valve or closure mechanism cannot be opened without creating a record that it was opened. The method used to monitor or secure the valve or closure mechanism must meet one of the following:

- a) Flow control position indicator requirements pursuant to 40 CFR 63.3168(b)(1)(i);
- b) Car-seal or lock-and-key valve closures requirements pursuant to 40 CFR 63.3168(b)(1)(ii);
- c) Valve closure monitoring requirements pursuant to 40 CFR 63.3168(b)(1)(iii);
- d) Automatic shutdown system requirements pursuant to 40 CFR 63.3168(b)(1)(iv).

If any bypass line is opened, a description of why the line was opened and the length of time it remained open must be included in the semi-annual compliance reports required in Special Condition number 12.18. **(40 CFR 63.3168(b))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(40 CFR 63.3120(a)(1), R336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. The permittee shall submit all semiannual compliance reports as required by 40 CFR 63.3120(a). The first time period covered by these reports shall be shortened so as to end on either June 30 or December 31, whichever comes first. These reports shall be due March 15 for the reporting period July 1 to December 31 and September 15 for the reporting period January 1 to June 30. **(40 CFR 63.3120(a))**
5. The Permittee shall submit applicable notifications specified in 40 CFR 63.7(b) and (c), 63.8(f)(4) and 63.9(b) through (e) and (h), as specified in 40 CFR 63.3110. **(40 CFR, Part 63, Subparts A and IIII)**
6. For any coating operation(s) using add-on controls, the permittee shall submit all performance test reports for emission capture systems and add-on control devices, and reports of transfer efficiency tests as required by 40 CFR 63.3120(b). **(40 CFR 63.3120(b))**
7. If an emission capture system or add-on control device is used to comply with any of the emission limits in Special Condition numbers I.1 through I.4, and a startup, shutdown, or malfunction occurs during the semiannual reporting period, the permittee shall submit a SSM report as specified in 40 CFR 63.3120(c). **(40 CFR 63. 3120(c), 40 CFR 63.10(d))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

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

Footnotes:

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

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

FG-OLD
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

The affected source is each new, reconstructed, or existing Organic Liquid Distribution (OLD) (non-gasoline) operation that is located at, or is part of a major source of hazardous air pollutant (HAP) emissions. The affected source is comprised of storage tanks, transfer racks, equipment leak components associated with storage tanks, transfer racks and pipelines, transport vehicles, and all containers while loading or unloading at transfer racks subject to this subpart. Equipment that is part of an affected source under another NESHAP is excluded from the affected source. **(40 CFR 63.2338(c))**

These conditions specifically cover existing (construction pre dates April 2, 2002) liquid storage tanks which hold more than 5,000 gallons but less than 50,000 gallons and/or new liquid storage tanks which hold more than 5,000 gallons but less than 10,000 gallons of methanol/windshield washer fill solvents that are dispensed to newly assembled vehicles.

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMITS

1. NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. For each existing storage tank with a capacity greater than 5,000 gallons but less than 50,000 gallons, the permittee shall comply with the requirements of 63.2343(b). **(40 CFR 63.2343(b))**
2. For each new storage tank with a capacity greater than 5,000 gallons but less than 10,000 gallons, the permittee shall comply with the requirements of 63.2343(b). **(40 CFR 63.2343(b))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. NA

V. TESTING/SAMPLING

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

1. NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii), 40 CFR 63.2394)**

1. The permittee shall keep documentation, including a record of the annual average true vapor pressure of the total Table 1 Organic liquid, that verifies the storage tank is not required to be controlled under this subpart. The documentation shall be kept up-to-date and must be in a form suitable and readily available for expeditious inspection and review. **(63.2343(b)(3))**

VII. REPORTING

1. The permittee shall submit the following information in either the Notification of Compliance Status, according to the schedule in Table 12 to this subpart, or in your first Compliance report according to the schedule in 63.2386(b), which ever occurs first. **(63.2343(b)(1))**
 - a) Company name and address.
 - b) A statement by a responsible official, including the official's name, title and signature, certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate and complete.
 - c) Date of report and beginning and ending dates of the reporting period.
 - d) A list of all storage tanks greater than 5,000 gallons that are part of the affected source but not subject to any of the emission limitations, operating limits, or work practice standards of this subpart.

2. The permittee shall submit subsequent compliance reports according to the schedule in 63.2386(b) or in conjunction with the reporting requirements in this ROP whenever any of the following events occur as applicable: **(63.2343(b)(2))**
 - a) Any storage tank became subject to control under this subpart EEEE.
 - b) Any storage tank greater than 5,000 gallons became part of the affected source, but is not subject to any emission limitations, operating limits or work practice standards of this subpart.

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart EEEE as they apply to FG-OLD. The permittee may choose an alternative compliance method not listed in FG-OLD by providing the appropriate notifications required under 40 CFR 63.9(j), maintaining a log required by 40 CFR 70.6(a)(9), and by complying with all applicable provisions required by Subpart EEEE for the compliance option chosen. **(40 CFR Part 70.6(a)(9), 40 CFR Part 63.9(j), 40 CFR Part 63, Subparts A and EEEEE)**

**FGCOLDCLEANERS
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

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

Emission Unit:

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Cleaned parts shall be drained for no less than 15 seconds or until dripping ceases. **(R 336.1611(2)(b), R 336.1707(3)(b))**
2. The permittee shall perform routine maintenance on each cold cleaner as recommended by the manufacturer. **(R 336.1213(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The cold cleaner must meet one of the following design requirements:
 - a. The air/vapor interface of the cold cleaner is no more than ten square feet. **(R 336.1281(h))**
 - b. The cold cleaner is used for cleaning metal parts and the emissions are released to the general in-plant environment. **(R 336.1285(r)(iv))**
2. The cold cleaner shall be equipped with a device for draining cleaned parts. **(R 336.1611(2)(b), R 336.1707(3)(b))**
3. All new and existing cold cleaners shall be equipped with a cover and the cover shall be closed whenever parts are not being handled in the cold cleaner. **(R 336.1611(2)(a), R 336.1707(3)(a))**
4. The cover of a new cold cleaner shall be mechanically assisted if the Reid vapor pressure of the solvent is more than 0.3 psia or if the solvent is agitated or heated. **(R 336.1707(3)(a))**
5. If the Reid vapor pressure of any solvent used in a new cold cleaner is greater than 0.6 psia; or, if any solvent used in a new cold cleaner is heated above 120 degrees fahrenheit, then the cold cleaner must comply with at least one of the following provisions:
 - a. The cold cleaner must be designed such that the ratio of the freeboard height to the width of the cleaner is equal to or greater than 0.7. **(R 336.1707(2)(a))**

- b. The solvent bath must be covered with water if the solvent is insoluble and has a specific gravity of more than 1.0. **(R 336.1707(2)(b))**
- c. The cold cleaner must be controlled by a carbon adsorption system, condensation system, or other method of equivalent control approved by the AQD. **(R 336.1707(2)(c))**

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

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

- 1. For each new cold cleaner in which the solvent is heated, the solvent temperature shall be monitored and recorded at least once each calendar week during routine operating conditions. **(R 336.1213(3))**
- 2. The permittee shall maintain the following information on file for each cold cleaner: **(R 336.1213(3))**
 - a. A serial number, model number, or other unique identifier for each cold cleaner.
 - b. The date the unit was installed, manufactured or that it commenced operation.
 - c. The air/vapor interface area for any unit claimed to be exempt under Rule 281(h).
 - d. The applicable Rule 201 exemption.
 - e. The Reid vapor pressure of each solvent used.
 - f. If applicable, the option chosen to comply with Rule 707(2).
- 3. The permittee shall maintain written operating procedures for each cold cleaner. These written procedures shall be posted in an accessible, conspicuous location near each cold cleaner. **(R 336.1611(3), R 336.1707(4))**
- 4. As noted in Rule 611(2)(c) and Rule 707(3)(c), if applicable, an initial demonstration that the waste solvent is a safety hazard shall be made prior to storage in non-closed containers. If the waste solvent is a safety hazard and is stored in non-closed containers, verification that the waste solvent is disposed of so that not more than 20 percent, by weight, is allowed to evaporate into the atmosphere shall be made on a monthly basis. **(R 336.1213(3), R 336.1611(2)(c), R 336.1707(3)(c))**

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

**FG-RULE 287(c)
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

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

Emission Unit:

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

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

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall maintain records of the following information for each emission unit for each calendar month using the methods outlined in the DNRE, AQD Rule 287(c), Permit to Install Exemption Record form (EQP 3562) or an alternative format that is approved by the AQD District Supervisor. **(R 336.1213(3))**
 - a. Volume of coating used, as applied, minus water, in gallons. **(R 336.1287(c)(iii))**
 - b. Documentation of any filter replacements for exhaust systems serving coating spray equipment. **(R 336.1213(3))**

See Appendix 4

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

FG-RULE290 FLEXIBLE GROUP CONDITIONS

DESCRIPTION

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

Emission Unit:

POLLUTION CONTROL EQUIPMENT

I. EMISSION LIMIT(S)

1. Each emission unit that emits only noncarcinogenic volatile organic compounds or noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone if the total uncontrolled or controlled emissions of air contaminants are not more than 1,000 or 500 pounds per month, respectively. **(R 336.1290(a)(i))**
2. Each emission unit that the total uncontrolled or controlled emissions of air contaminants are not more than 1,000 or 500 pounds per month, respectively, and all the following criteria listed below are met: **(R 336.1290(a)(ii))**
 - a. For noncarcinogenic air contaminants, excluding noncarcinogenic volatile organic compounds and noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone, with initial threshold screening levels greater than or equal to 2.0 micrograms per cubic meter, the uncontrolled or controlled emissions shall not exceed 1,000 or 500 pounds per month, respectively. **(R 336.1290(a)(ii)(A))**
 - b. For noncarcinogenic air contaminants, excluding noncarcinogenic volatile organic compounds and noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone, with initial threshold screening levels greater than or equal to 0.04 microgram per cubic meter and less than 2.0 micrograms per cubic meter, the uncontrolled or controlled emissions shall not exceed 20 or 10 pounds per month, respectively. **(R 336.1290(a)(ii)(B))**
 - c. For carcinogenic air contaminants with initial risk screening levels greater than or equal to 0.04 microgram per cubic meter, the uncontrolled or controlled emissions shall not exceed 20 or 10 pounds per month, respectively. **(R 336.1290(a)(ii)(C))**
 - d. The emission unit shall not emit any air contaminants, excluding non-carcinogenic volatile organic compounds and noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone, with an initial threshold screening level or initial risk screening level less than 0.04 microgram per cubic meter. **(R 336.1290(a)(ii)(D))**
3. Each emission unit that emits only noncarcinogenic particulate air contaminants and other air contaminants that are exempted under Rule 290(a)(i) and/or Rule 290(a)(ii), if all of the following provisions are met: **(R 336.1290(a)(iii))**
 - a. The particulate emissions are controlled by an appropriately designed and operated fabric filter collector or an equivalent control system which is designed to control particulate matter to a concentration of less than or equal to 0.01 pound of particulate per 1,000 pounds of exhaust gases and which does not have an exhaust gas flow rate more than 30,000 actual cubic feet per minute. **(R 336.1290(a)(iii)(A))**

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

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

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

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

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

- 1. The permittee shall maintain records of the following information for each emission unit for each calendar month using the methods outlined in the DNRE, AQD Rule 290, Permit to Install Exemption Record form (EQP 3558) or an alternative format that is approved by the AQD District Supervisor. **(R 336.1213(3))**
 - a. Records identifying each air contaminant that is emitted. **(R 336.1213(3))**
 - b. Records identifying if each air contaminant is controlled or uncontrolled. **(R 336.1213(3))**
 - c. Records identifying if each air contaminant is either carcinogenic or non-carcinogenic. **(R 336.1213(3))**
 - d. Records identifying the ITSL and IRSL, if established, of each air contaminant that is being emitted under the provisions of Rules 290(a)(ii) and (iii). **(R 336.1213(3))**
 - e. Material use and calculations identifying the quality, nature, and quantity of the air contaminant emissions in sufficient detail to demonstrate that the actual emissions of the emission unit meet the emission limits outlined in this table and Rule 290. **(R 336.1213(3), R 336.1290(c))**
- 2. The permittee shall maintain an inventory of each emission unit that is exempt pursuant to Rule 290. This inventory shall include the following information. **(R 336.1213(3))**
 - a. The permittee shall maintain a written description of each emission unit as it is maintained and operated throughout the life of the emission unit. **(R 336.1290(b), R 336.1213(3))**
 - b. For each emission unit that emits noncarcinogenic particulate air contaminants pursuant to Rule 290(a)(iii), the permittee shall maintain a written description of the control device, including the designed control efficiency and the designed exhaust gas flow rate. **(R 336.1213(3))**
- 3. For each emission unit that emits noncarcinogenic particulate air contaminants pursuant to Rule 290(a)(iii), the permittee shall perform a monthly visible emission observation of each stack or vent during routine operating

conditions. This observation need not be performed using Method 9. The permittee shall keep a written record of the results of each observation. **(R 336.1213(3))**

See Appendix 4

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

E. NON-APPLICABLE REQUIREMENTS

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

APPENDICES

Appendix 1: Abbreviations and Acronyms

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

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

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

Appendix 2. Schedule of Compliance

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

Appendix 3. Monitoring Requirements

The following monitoring procedures, methods, or specifications are the details to the monitoring requirements identified and referenced in EU-Uniprime, EU-Tutone, and FG-Topcoat.

Elements of an O&M plan – CAM

General – Keep records of maintenance inspections which include the dates, results of the inspections and the dates and reasons for repairs if made. The following items shall be inspected for each respective control device used to demonstrate compliance with applicable VOC emissions limits.

TO's

- Validation of thermocouple accuracy or recalibration of each thermocouple a minimum of once every 12 months. The thermocouple can be replaced in lieu of validation.
- Perform a heat exchanger visual internal inspection a minimum of once every 18 months.

RTO's

- Validation of thermocouple accuracy or recalibration of each thermocouple a minimum of once every 12 months. The thermocouple can be replaced in lieu of validation.
- Perform a heat exchange/heat transfer media inspection a minimum of once every 18 months.*
- Perform an inspection of the valve seals condition and verify valve timing/synchronization a minimum of once every 18 months.*

Rotary RTO's

- Validation of thermocouple accuracy or recalibration of each thermocouple a minimum of once every 12 months. The thermocouple can be replaced in lieu of validation.
- Rotational monitoring to detect non rotation during operation.
- Perform a heat exchange/heat transfer media inspection a minimum of once every 18 months.*
- Perform an inspection of the valve seals condition a minimum of once every 18 months.*

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.

VOC Annual Emission Calculation based on a 12-Month rolling period (Tons /yr):

$$\text{Tons VOC / Year} = \sum_{N=12} (\text{Pounds VOC/month})_n / (2000 \text{ pounds/ton})$$

VOC Emission Rate Pounds of VOC per Gallon of Coating Minus Water (lbs./gal(minus water)):

The calculation procedure described in special conditions for each emission unit and R 336.2041.

VOC Emission Rate Pounds per gallon Applied Solids Calculation (lbs./gal applied solids):

The calculation procedure described in EPA Protocol 453/R-08-002.

Appendix 8. Reporting

A. Annual, Semiannual, and Deviation Certification Reporting

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