

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION**

EFFECTIVE DATE: December 6, 2016

ISSUED TO

FCA US LLC, Warren Truck Assembly Plant

State Registration Number (SRN): B2767

LOCATED AT

21500 Mound Road, Warren, Michigan 48091-4840

RENEWABLE OPERATING PERMIT

Permit Number: MI-ROP-B2767-2016

Expiration Date: December 6, 2021

Administratively Complete ROP Renewal Application
Due Between June 6, 2020 and June 6, 2021

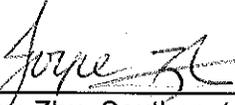
This Renewable Operating Permit (ROP) is issued in accordance with and subject to Section 5506(3) of Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451). Pursuant to Michigan Air Pollution Control Rule 210(1), this ROP constitutes 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-B2767-2016

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

Michigan Department of Environmental Quality



Joyce Zhu, Southeast Michigan Acting District Supervisor

TABLE OF CONTENTS

AUTHORITY AND ENFORCEABILITY	4
A. GENERAL CONDITIONS.....	5
Permit Enforceability	5
General Provisions.....	5
Equipment & Design	6
Emission Limits.....	6
Testing/Sampling	6
Monitoring/Recordkeeping	7
Certification & Reporting	7
Permit Shield	8
Revisions	9
Reopenings.....	9
Renewals.....	10
Stratospheric Ozone Protection	10
Risk Management Plan.....	10
Emission Trading	10
Permit To Install (PTI)	11
B. SOURCE-WIDE CONDITIONS	12
C. EMISSION UNIT CONDITIONS	13
EMISSION UNIT SUMMARY TABLE.....	13
EU-MECH-WASHER	16
EU-UNIPRIME	18
EU-SOLVENT-WIPE.....	23
EU-SEALERS&ADHESIVE.....	25
EU-BLACKOUT-BOOTH.....	27
EU-TUTONE.....	30
EU-FLUID-FILL.....	36
EU-FINAL-REPAIR	38
EU-SPOT-REPAIR-DECK	41
D. FLEXIBLE GROUP CONDITIONS.....	44
FLEXIBLE GROUP SUMMARY TABLE.....	44
FG-TOPCOAT	47
FG-TEMPBOILERS	55
FG-BOILERS	57
FG-GASOLINE-TANKS.....	60
FG-RULE-331.....	62
FG-PM-MISC	64
FG-AUTOMACT.....	66
FG-OLDMACT	72
FG-BOILER-MACT5D.....	74
FG-CI-RICE-MACT4Z<500HP	78
FG-CI-RICE-MACT4Z>500HP	81
FG-CI-RICE-NSPS4I<500.....	83
FG-COLD-CLEANERS	86
FG-RULE-290.....	89
FG-RULE-287(c).....	92

E. NON-APPLICABLE REQUIREMENTS 94

APPENDICES 95

Appendix 1. Acronyms and Abbreviations 95

Appendix 2. Schedule of Compliance..... 96

Appendix 3. Monitoring Requirements 96

Appendix 4. Recordkeeping 96

Appendix 5. Testing Procedures 96

Appendix 6. Permits to Install..... 97

Appendix 7. Emission Calculations 97

Appendix 8. Reporting 98

AUTHORITY AND ENFORCEABILITY

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

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

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

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

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

A. GENERAL CONDITIONS

Permit Enforceability

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

General Provisions

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

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

Equipment & Design

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

Emission Limits

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

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

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

Testing/Sampling

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

Monitoring/Recordkeeping

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

Certification & Reporting

18. Except for the alternate certification schedule provided in Rule 213(3)(c)(iii)(B), any document required to be submitted to the department as a term or condition of this ROP shall contain an original certification by a Responsible Official which 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.² **(R 336.1912)**

Permit Shield

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

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

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

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

Revisions

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

Reopenings

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

Renewals

35. For renewal of this ROP, an administratively complete application shall be considered timely if it is received by the department not more than 18 months, but not less than 6 months, before the expiration date of the ROP. **(R 336.1210(8))**

Stratospheric Ozone Protection

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

Risk Management Plan

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

Emission Trading

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

Permit To Install (PTI)

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

Footnotes:

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

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

B. SOURCE-WIDE CONDITIONS

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

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

C. EMISSION UNIT CONDITIONS

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

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

EMISSION UNIT SUMMARY TABLE

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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU-MECH-WASHER	Mechanical body washer in "Body-in-White" is for cleaning vehicle bodies with a cleaner and a rust-inhibitor.	07/31/1984	NA
EU-UNIPRIME	Uniprime is a cathodic electrodeposition primer system to apply primer to vehicle bodies with an associated curing oven. Uniprime system is immersion (dip) e-coat system with DC voltage, where vehicle bodies are grounded and coating solids are positively charged. One regenerative thermal oxidizer (RTO) for curing oven emissions.	07/31/1984	FG-AUTOMACT
EU-SOLVENT-WIPE	Emissions from solvent wipes and body cleaners throughout the plant.	07/31/1984	FG-AUTOMACT
EU-SEALERS&ADHESIVE	Application of sealers and adhesives and associated gelling oven.	07/31/1984	FG-AUTOMACT
EU-BLACKOUT-BOOTH	Spray booth for applying blackout paint to vehicle bodies. The booth is on long-term idle.	07/31/1984	FG-AUTOMACT
EU-TUTONE	The Tutone booth for applying topcoat on Tutoned vehicle bodies and associated curing oven. One down-draft waterwash system for paint overspray particulate control and one thermal oxidizer for VOC from the bake oven.	06/17/1992	FG-AUTOMACT
EU-FLUID-FILL	Stations for filling fuel tanks (gasoline) and windshield washer solution, brake, power steering etc. reservoirs. Onboard Re-fueling Vapor Recovery systems for vehicles.	07/31/1984	NA
EU-FINAL-REPAIR (Low-bake spovens)	Final repair system, for low-bake, includes two spot repair stations with associated spovens (one spoven per booth) and sanding booths in Repair Dept. 9190 of Main Building. Prep booths or sanding booths are equipped with side-draft dry filters. The spovens (spot ovens) are equipped with IR Heat and are located inside the downdraft spray booths. The booths (2) are equipped with downdraft filters like collision shop booths.	07/22/1996	FG-AUTOMACT

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU-SPOT-REPAIR-DECK (1-12 stations)	1 through 12 spot repair painting stations with portable hose emissions capture system and associated IR (infra-red) curing ovens. The emissions are ducted to a common control system consisting of series of dry filters and carbon adsorption. Carbon is monitored for breakthrough using color change at sight glass. Dry filter system and carbon adsorption system.	07/22/1996	FG-AUTOMACT
EU-COLOR-ONE	Color1 line (one of two identical top coat lines) consists of spray booths for applying topcoat to vehicle bodies and oven for curing. Downdraft Water Wash System and Thermal Oxidizer for bake oven.	07/31/1984	FG-AUTOMACT FG-TOPCOAT
EU-COLOR-TWO	Color2 line (one of two identical top coat lines) consists of spray booths for applying topcoat to vehicle bodies and oven for curing. Downdraft Water Wash System and Thermal Oxidizer for bake oven.	07/31/1984	FG-AUTOMACT FG-TOPCOAT
EU-REPROCESS (High-bake)	Reprocess is high bake repair operation that consists of spray booths for topcoat application to repair vehicle bodies and oven for curing. Wash System and Thermal Oxidizer for bake oven.	07/31/1984	FG-AUTOMACT FG-TOPCOAT
EU-TEMPBOILER1	25 million BTU per hour, natural gas only fired trailer-mounted temporary boiler.	03/19/2009	FG-TEMPBOILERS FG-BOILER-MACT5D
EU-TEMPBOILER2	29 million BTU per hour, natural gas only fired trailer-mounted temporary boiler.	03/19/2009	FG-TEMPBOILERS FG-BOILER-MACT5D
EU-BOILER3	152 million BTU heat input per hour (Babcox & Wilcox Boiler3, installed 7/11/98) natural gas only boiler equipped with low NOx burners.	07/11/1998	FG-BOILERS FG-BOILER-MACT5D
EU-BOILER4	106 million BTU heat input per hour (Babcox & Wilcox Boiler4, installed 7/11/98) natural gas only boiler equipped with low NOx burners.	07/11/1998	FG-BOILERS FG-BOILER-MACT5D
EU-BOILER5	152 million BTU heat input per hour (Wickes Boiler5, installed 9/1/96) natural gas only boiler equipped with low NOx burners.	09/01/1996	FG-BOILERS FG-BOILER-MACT5D
EU-BOILER6	192 million BTU heat input per hour (Riley Stoker Boiler6, installed 10/29/84) natural gas only boiler equipped with oxygen trim system but not low NOx burners.	10/29/1984	FG-BOILERS FG-BOILER-MACT5D
EU-UNLEADEDGAS1	TK1 25,000-gallon gasoline storage tank – above-ground storage tank with spill containment.	03/19/2013	FG-GASOLINE-TANKS
EU-CARPENTERSHOP	Wood saws, lathes, etc. Carpenter shop baghouse.	07/31/1984	FG-RULE-331

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU-COLOR-ONE-SAND	Miscellaneous particulate matter source with associated exhaust filters.	07/31/1984	FG-PM-MISC
EU-POLISH-DECK	Miscellaneous particulate matter source with associated exhaust filters.	07/31/1984	FG-PM-MISC
EU-REPROCESS-SAND	Miscellaneous particulate matter source with associated exhaust filters.	07/31/1984	FG-PM-MISC
EU-REPRO-POLISH	Miscellaneous particulate matter source with associated exhaust filters.	07/31/1984	FG-PM-MISC
EU-UNIPRIME-SAND	Miscellaneous particulate matter source with associated exhaust filters.	07/31/1984	FG-PM-MISC
EU-OLDMACT	The permittee shall maintain an up-to-date list of emissions units subject to FG-OLDMACT.	07/31/1984	FG-OLDMACT
EU-Eng-FPH1	Existing CI (Diesel) Engines located at a Major Source 266 HP < 500 HP, Emergency.	01/01/1985	FG-CI-RICE-MACT4Z<500HP
EU-ENG-SMB1	Existing CI Engines located at a Major Source > 500 HP, Emergency.	01/01/1985	FG-CI-RICE-MACT4Z>500HP
EU-ENG-SMB2	Existing CI Engines located at a Major Source > 500 HP, Emergency.	01/01/1985	FG-CI-RICE-MACT4Z>500HP
EU-ENG-FPH2 Fire Pump emergency engine	This flexible group includes new emergency compression ignition (CI) natural gas fired stationary reciprocating internal combustion engines (RICE) that have a maximum site rating of greater than or equal to 100 brake horsepower (HP), but less than 500 (HP) and subject to 40 CFR 60, Subpart IIII.	01/01/2011	FG-CI-RICE-NSPS4I<500

**EU-MECH-WASHER
 EMISSION UNIT CONDITIONS**

DESCRIPTION

EU-MECH-WASHER: Mechanical body washer in “Body-in-White” is for cleaning vehicle bodies with a cleaner and a rust-inhibitor.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	21.5 ^{2b} Pounds per hour	Hour	EU-MECH-WASHER	GC 13 SC V.1 & VI.1	R 336.1201(3)
2. VOC	45.24 ² Tons per year	12-month rolling time period	EU-MECH-WASHER	SC V.1 & VI.1	R 336.1201(3) R 336.2902 (formerly, R 336.1220(a))

^bBased upon monthly values using methods acceptable to AQD.

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five 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. (R 336.2001, R 336.2003 & R 336.2004)

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five 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. **(R 336.1213(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 (the usage data need not be submitted but shall be kept on file) within 30 days following 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
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

**EU-UNIPRIME
 EMISSION UNIT CONDITIONS**

DESCRIPTION

EU-UNIPRIME: Uniprime is a cathodic electrodeposition primer system to apply primer to vehicle bodies with an associated curing oven. Uniprime system is an immersion (dip) e-coat system with DC voltage, where vehicle bodies are grounded and coating solids are positively charged. Both coating and water are recycled/reused using ultrafiltration (UF) membranes.

Flexible Group ID: FG-AUTOMACT

POLLUTION CONTROL EQUIPMENT

One regenerative thermal oxidizer (RTO) for curing oven emissions (about 2008 one E-coat oven RTO replaced two thermal oxidizers).

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	14.5 ^{2B} Pounds per hour	Hour	EU-UNIPRIME (dip tank)	GC 13 V.1 & VI.2	R 336.2902 (formerly, R 336.1220)
2. VOC	31.23 ² Tons year	12-month rolling time period	EU-UNIPRIME (dip tank)	V.1 & VI.2	R 336.2902 (formerly, R 336.1220)
3. VOC	8.2 ^{2B} Pounds per hour	Hour	EU-UNIPRIME (oven)	GC 13 V.1 & VI.2	R 336.2902 (formerly, R 336.1220)
4. VOC	17.66 ² Tons per year	12-month rolling time period	EU-UNIPRIME (oven)	V.1 & VI.2	R 336.2902 (formerly, R 336.1220)
5. VOC	1.34 ² Pounds per gallon of applied coating solids	Monthly average	EU-UNIPRIME (dip tank and oven)	V.1 & VI.2	40 CFR 60.392, Subpart MM

^BBased upon monthly values using methods acceptable to AQD.

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall not operate EU-UNIPRIME unless the associated regenerative thermal oxidizer (RTO) for the bake 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), R 336.1213(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. **(R 336.2001, R 336.2003 & R 336.2004)**
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 five 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 (within 60 calendar days following the last date of the sampling to both the SEMI District Supervisor and the Technical Programs Unit Supervisor, Air Quality Division, in a format acceptable to AQD) of a complete report of the test results. No less than seven days before any tests are conducted, the permittee shall notify the AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R 336.1213(3), R 336.2001(3))**

3. Verification of Destruction Efficiency (DE) of the E-coat Oven Regenerative Thermal Oxidizer (RTO) 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 RTO has not been conducted within five 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 RTO.

Verification of Destruction Efficiency of the RTO includes the submittal (within 60 calendar days following the last date of the sampling to both the SEMI District Supervisor and the Technical Programs Unit Supervisor, Air Quality Division, in a format acceptable to AQD) of a complete report of the test results. No less than seven days before any tests are conducted, the permittee shall notify the AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R 336.1213(3), R 336.2001(3))**

Note: *About 2008, concerning E-coat oven, one Regenerative Thermal Oxidizer (RTO) replaced two thermal oxidizers.*

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 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 **(R 336.1201(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. **(R 336.1213(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:
 - i. Value(s) used in calculations; and
 - ii. Value(s) from most recent test.
 - f. Destruction Efficiency of the oxidizer:
 - i. Value(s) used in calculations; and
 - ii. 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))**
5. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. **(40 CFR 64.6(c)(3), 40 CFR 64.7(c))**

6. Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). **(40 CFR 64.7(d))**
7. The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan and any activities undertaken to implement a quality improvement plan, and other information such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions. **(40 CFR 64.9(b)(1))**
8. The permittee shall properly maintain the monitoring system including keeping necessary parts for routine repairs of the monitoring equipment. **(40 CFR 64.7(b))**

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))**
6. Each semiannual report of monitoring and deviations shall include summary information on monitor downtime. If there were no periods of monitor downtime in the reporting period, then this report shall include a statement that there were no periods of monitor downtime. **(40 CFR 64.9(a)(2)(ii))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVSMB-B-05-01	NA	42 ¹	R 336.1901
2. SVSMB-B-05-02	NA	42 ¹	R 336.1901

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
3. SVSMB-B-13-01	NA	46 ¹	R 336.1901
4. SVSMB-B-22-02	NA	46 ¹	R 336.1901
5. SVSMB-C-02-01	NA	42 ¹	R 336.1901
6. SVSMB-C-08-01	NA	42 ¹	R 336.1901
7. SVSMB-C-08-02	NA	42 ¹	R 336.1901
8. SVSMB-C-08-03	NA	42 ¹	R 336.1901
9. SVSMB-C-09-01	NA	42 ¹	R 336.1901
10. SVSMB-C-10-01	NA	42 ¹	R 336.1901
11. SVSMB-C-10-02	NA	42 ¹	R 336.1901
12. SVSMB-C-10-03	NA	42 ¹	R 336.1901
13. SVSMB-C-11-01	NA	42 ¹	R 336.1901
14. SVSMB-C-11-02	NA	42 ¹	R 336.1901
15. SV-UNIPRIMERTO	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the AQD and if necessary, submit a proposed modification of the CAM Plan to address the necessary monitoring changes. Such a modification may include but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. **(40 CFR 64.7(e))**
2. 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)**
3. 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:

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-SOLVENT-WIPE
 EMISSION UNIT CONDITIONS**

DESCRIPTION

EU-SOLVENT-WIPE: Emissions from solvent wipes and body cleaners throughout the plant.

Flexible Group ID: FG-AUTOMACT

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	488.6 ² ^β Pounds per hour	Hour	EU-SOLVENT-WIPE	GC 13 SC VI.1	R 336.2902 (formerly, R 336.1220)
2. VOC	1502.58 ² Tons per year	12-month rolling time period	EU-SOLVENT-WIPE	SC VI.1	R 336.2902 (formerly, R 336.1220)

^βBased upon monthly values using methods acceptable to AQD.

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

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

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. **(R 336.1213(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 solvent/coating usage data (the usage data need not be submitted but shall be kept on file) within 30 days following 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
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

**EU-SEALERS&ADHESIVE
 EMISSION UNIT CONDITIONS**

DESCRIPTION

EU-SEALERS&ADHESIVE: Application of sealers and adhesives and associated gelling oven.

Flexible Group ID: FG-AUTOMACT

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	151.2 ^β Pounds per hour	Hour	EU- SEALERS&ADHESIVE	GC 13 V.1	R 336.2902 (formerly, R 336.1220)
2. VOC	325.73 ^z Tons per year	12-month rolling time period	EU- SEALERS&ADHESIVE	V.1, VI.1	R 336.2902 (formerly, R 336.1220)
3. VOC	3.0 ^θ Pounds per gallon of coating, minus water, as applied	Daily / Monthly (see SC VI.1)	EU- SEALERS&ADHESIVE	V.1, VI.1	R 336.2902 (formerly, R 336.1220)

^θOn monthly basis if and only if all coatings satisfy the limit.

^βBased upon monthly values using methods acceptable to AQD.

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

NA

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

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

1. For EU-SEALERS&ADHESIVE, 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. **(R 336.1213(3))**

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall 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. **(R 336.1213(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.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.3, 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 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
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

**EU-BLACKOUT-BOOTH
 EMISSION UNIT CONDITIONS**

DESCRIPTION

EU-BLACKOUT-BOOTH: Spray booth for applying blackout paint to vehicle bodies. The booth is on long-term idle.

Flexible Group ID: FG-AUTOMACT

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 ^{2β} Ponds per hour	Hour	EU-BLACKOUT-BOOTH	GC 13 SC V.1, VI.1	R 336.1702(c)
2. VOC	22.62 ² Tons per year	12-month rolling time period	EU-BLACKOUT-BOOTH	SC V.1, VI.1	R 336.1702(c)

^βBased upon monthly values using methods acceptable to AQD.

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

- The permittee shall not operate EU-BLACKOUT-BOOTH unless all exhaust filters are in place and operating properly.² (R 336.1910)

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. (R 336.2001, R 336.2003 & R 336.2004)

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five 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. **(R 336.1213(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 quarterly visual inspections of each exhaust filter (ensuring that filters are installed snug and tight without gaps and holes) 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. **(R 336.1213(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 (the usage data need not be submitted but shall be kept on file) within 30 days following the end of the quarter in which the data were collected. **(R 336.1213(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	R 336.1901
2. SVSMB-L-17-03	NA	90 ¹	R 336.1901

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

**EU-TUTONE
 EMISSION UNIT CONDITIONS**

DESCRIPTION

EU-TUTONE: The Tutone booth for applying topcoat on Tutoned vehicle bodies and associated curing oven.

Flexible Group ID: FG-AUTOMACT

POLLUTION CONTROL EQUIPMENT

1. A thermal oxidizer(s) for VOC from the bake oven.
2. A down-draft waterwash system for paint overspray particulate control.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	12.3 ^{2a} Pounds per gallon (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 ^{2b} Pounds per hour	Hour	EU-TUTONE Spraybooth	GC 13 SC V.4, VI.2, VI.3	R 336.2902 (formerly, R 336.1220)
3. VOC	821 ² Tons per year	12-month rolling time period	EU-TUTONE Spraybooth	SC V.4, VI.3	R 336.2902 (formerly, R 336.1220)
4. VOC	9.51 ^{2b} Pounds per hour	Hour	EU-TUTONE Oven	SC V.4, VI.2, VI.3	R 336.2902 (formerly, R 336.1220)
5. VOC	20.53 ² Tons per year	12-month rolling time period	EU-TUTONE Oven	SC V.4, VI.3	R 336.2902 (formerly, R 336.1220)

^aPer the EPA Protocol (VI(4) & (6))

^bBased upon monthly values using methods acceptable to AQD.

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate EU-TUTONE unless the thermal oxidizer for the oven is installed and operating properly at or above the temperature based upon most recent stack test for VOC destruction efficiency (DE) (e.g., April 2015 stack test minimum temperature = 1360 °F based upon 3-hour average temperature that is in turn based upon 3 runs of 1-hour sampling).² **(R 336.1910, R 336.1911, 40 CFR 64.6(c)(1)(i), (ii))**
2. The permittee shall not operate EU-TUTONE unless a down-draft waterwash system is installed and operating properly.² **(R 336.1910)**

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. **(R 336.2001, R 336.2003 & R 336.2004)**
2. Verification of the Transfer Efficiency (TE) 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 five years prior to the issuance of the ROP 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 (within 60 calendar days following the last date of the sampling to both the SEMI District Supervisor and the Technical Programs Unit Supervisor, Air Quality Division, in a format acceptable to AQD) 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 AQD. The final plan must be approved by the AQD prior to testing. Not less than seven days before any tests are conducted, the permittee shall notify the AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R 336.1213(3), R 336.2001(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 five 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 (within 60 calendar days following the last date of the sampling to both the SEMI District Supervisor and the Technical Programs Unit Supervisor, Air Quality Division, in a format acceptable to AQD) of a complete report of the test results. No less than seven days before any tests are conducted, the permittee shall notify the AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R 336.1213(3), R 336.2001(3))**

4. Verification of Destruction Efficiency (DE) 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 five 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 (within 60 calendar days following the last date of the sampling to both the SEMI District Supervisor and the Technical Programs Unit Supervisor, Air Quality Division, in a format acceptable to AQD) of a complete report of the test results. No less than seven days before any tests are conducted, the permittee shall notify the AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R 336.1213(3), R 336.2001(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 **(R 336.1201(3) & 40 CFR Part 60 Subpart MM 60.394, 64.6(c)(1)(i),(ii))**
2. The permittee shall conduct visual inspections of the waterwash system on a weekly basis during weeks while production is occurring.² **(R 336.1201(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))**
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): **(R 336.1213(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 (DE) 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. **(R 336.1213(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 AQD. **(R 336.1213(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. **(R 336.1213(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))**
 10. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. **(40 CFR 64.6(c)(3), 40 CFR 64.7(c))**
 11. Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). **(40 CFR 64.7(d))**
 12. The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan and any activities undertaken to implement a quality improvement plan, and other information such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions. **(40 CFR 64.9(b)(1))**
 13. The permittee shall properly maintain the monitoring system including keeping necessary parts for routine repairs of the monitoring equipment. **(40 CFR 64.7(b))**

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))**
6. Each semiannual report of monitoring and deviations shall include summary information on monitor downtime. If there were no periods of monitor downtime in the reporting period, then this report shall include a statement that there were no periods of monitor downtime. **(40 CFR 64.9(a)(2)(ii))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVSMB-F-03-01	NA	42 ¹	R 336.1901
2. SVSMB-F-04-01	NA	42 ¹	R 336.1901
3. SVSMB-F-04-02	NA	42 ¹	R 336.1901
4. SVSMB-F-08-02	NA	42 ¹	R 336.1901
5. SVSMB-F-09-02	NA	42 ¹	R 336.1901
6. SVSMB-F-13-TT-01	NA	90 ¹	R 336.1901
7. SVSMB-F-13-TT-02	NA	90 ¹	R 336.1901
8. SVSMB-F-13-TT-03	NA	90 ¹	R 336.1901
9. SVSMB-F-14-TT-01	NA	90 ¹	R 336.1901
10. SVSMB-F-14-TT-02	NA	90 ¹	R 336.1901
11. SVSMB-F-14-TT-03	NA	90 ¹	R 336.1901
12. SVSMB-F-14-TT-04	NA	90 ¹	R 336.1901
13. SVSMB-F-15-TT-01	NA	90 ¹	R 336.1901
14. SVSMB-F-15-TT-02	NA	90 ¹	R 336.1901
15. SVSMB-F-15-TT-03	NA	90 ¹	R 336.1901
16. SVSMB-F-16-TT-01	NA	90 ¹	R 336.1901
17. SVSMB-F-16-TT-02	NA	90 ¹	R 336.1901
18. SVSMB-F-16-TT-03	NA	90 ¹	R 336.1901
19. SVSMB-F-16-TT-04	NA	90 ¹	R 336.1901
20. SVSMB-F-17-TT-01	NA	90 ¹	R 336.1901
21. SVSMB-F-17-TT-02	NA	90 ¹	R 336.1901
22. SVSMB-F-17-TT-03	NA	90 ¹	R 336.1901
23. SVSMB-F-18-TT-01	NA	90 ¹	R 336.1901
24. SVSMB-F-18-TT-02	NA	90 ¹	R 336.1901

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
25. SVSMB-F-18-TT-03	NA	90 ¹	R 336.1901
26. SVSMB-F-18-TT-04	NA	90 ¹	R 336.1901
27. SVSMB-F-19-TT-01	NA	90 ¹	R 336.1901
28. SVSMB-F-19-TT-02	NA	90 ¹	R 336.1901
29. SVSMB-F-19-TT-03	NA	90 ¹	R 336.1901
30. SVSMB-F-19-TT-04	NA	90 ¹	R 336.1901

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

Footnotes:

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

EU-FLUID-FILL: Stations for filling fuel tanks (gasoline) and windshield washer solution, brake, power steering etc. reservoirs.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Stage II vapor balance system or onboard Re-fueling Vapor Recovery systems for vehicles.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	12.3 ^{2B} Pounds per hour	Hour	EU-FLUID-FILL	SC VI.1	R 336.1702(a)
2. VOC	26.39 ² Tons per year	12-month rolling time period	EU-FLUID-FILL	SC VI.1	R 336.1702(a)

^BBased upon monthly values using methods acceptable to AQD.

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not add gasoline to any vehicle without an Onboard Re-fueling Vapor Recovery system.² (R 336.1702(a), R 336.1201(3))

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

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

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. **(R 336.1213(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 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
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

**EU-FINAL-REPAIR
 EMISSION UNIT CONDITIONS**

DESCRIPTION

EU-FINAL-REPAIR: Final repair system, for low-bake, includes two spot repair stations with associated spovens (one spoven per booth) and sanding booths in Repair Dept. 9190 of Main Building. Prep booths or sanding booths are equipped with side-draft dry filters. The spovens (spot ovens) are equipped with IR Heat and are located inside the downdraft spray booths. The booths (2) are equipped with downdraft filters like collision shop booths. These booths should not be confused with Spot Repair Deck 1-12, with carbon adsorption system, located in paint shop.

Flexible Group ID: FG-AUTOMACT

POLLUTION CONTROL EQUIPMENT

1. Down-draft filters for paint spray booths
2. Side-draft filters for sanding booths

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	45.0 ^{2β} Pounds per hour	Hour	EU-FINAL-REPAIR	GC 13 SC V.1, VI.2	R 336.1702
2. VOC	52.1 ² Tons per year	12-month rolling time period	EU-FINAL-REPAIR	SC V,1, VI.2	R 336.1702
3. VOC	4.8 ^{2β} Pounds per gallon of coating minus water as applied	Daily / Monthly (see SC VI.2)	EU-FINAL-REPAIR	SC V.1, VI.2	R 336.1702(d)

^αOn monthly basis if and only if all coatings satisfy the limit.

^βBased upon monthly values using methods acceptable to AQD.

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate EU-FINAL-REPAIR unless all exhaust filters are installed and operating properly.² (R 336.1910)

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. **(R 336.2001, R 336.2003 & R 336.2004)**

See Appendix 5

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall conduct visual inspections (ensuring that filters are installed snug and tight without gaps and holes) of the associated exhaust filters for EU-FINAL-REPAIR on a quarterly basis when coating has occurred filter. The permittee shall keep records of the quarterly 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. **(R 336.1213(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.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.3, 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 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 VOC emissions (the coatings and solvents usage data need not be submitted but shall be kept on file). Due within 30 days of the end of the quarter in which the data were collected. **(R 336.1213(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	R 336.1901
2. SVNMB-A-19-02	54 ¹	53 ¹	R 336.1901
3. SVNMB-A-19-03	54 ¹	53 ¹	R 336.1901
4. SVNMB-A-25-01	54 ¹	53 ¹	R 336.1901
5. SVNMB-A-25-02	54 ¹	53 ¹	R 336.1901

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

**EU-SPOT-REPAIR-DECK
 EMISSION UNIT CONDITIONS**

DESCRIPTION

EU-SPOT-REPAIR-DECK: 1 through 12 spot repair painting stations with portable hose emissions capture system and associated IR (infra-red) curing ovens. The emissions are ducted to a common control system consisting of series of dry filters and carbon adsorption. Carbon is monitored for breakthrough using color change at sight glass.

Flexible Group ID: FG-AUTOMACT

POLLUTION CONTROL EQUIPMENT

1. Dry filter system for particulate emissions
2. Carbon adsorption system for VOC

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	146.4 ² Pounds per day	24-hour calendar day	EU-SPOT-REPAIR- DECK	SC V.1, VI.2	R 336.1702(d), R 336.1205, R 336.1901, R 336.1225
2. VOC	22.0 ² Tons per year	12-month rolling time period	EU-SPOT-REPAIR- DECK	SC V.1, VI.2	R 336.1702(d), R 336.1205, R 336.1901, R 336.1225
3. VOC	4.8 ^{2b} Pounds per gallon, minus water, as applied	Daily / Monthly (see SC VI.2)	EU-SPOT-REPAIR- DECK	SC V.1, VI.2	R 336.1702(d), R 336.1205, R 336.1225

^bOn monthly basis if and only if all coatings satisfy the limit.

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not apply coatings in the spot repair stations (1-12) unless the portable infra-red (IR) curing and vapor and particulate collection (capture) units with carbon adsorption and dry filters controls are installed and operating properly.² (R 336.1702(d), R 336.1205, R 336.1901, R 336.1225)
2. 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 (R 336.1702(a) & R 336.1205)

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. **(R 336.2001, R 336.2003 & R 336.2004)**

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five 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 EU-SPOT-REPAIR-DECK on a monthly basis when coating has occurred. The permittee shall keep records of the monthly inspections and maintenance activity to ensure proper operation of exhaust filters and carbon adsorption units.² **(R 336.1702(d), R 336.1205, R 336.1901, R 336.1225)**
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 **(R 336.1702(d), R 336.1205, R 336.1901, R 336.1225)**
 - 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.3, 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
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

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-TOPCOAT	Two topcoat lines (EU-COLOR-ONE & EU-COLOR-TWO) and one high bake-repair operation (EU-REPROCESS), which is a part of the topcoat system. Each topcoat line consists of spray booths for applying topcoat to vehicle bodies and oven for curing. Reprocess is high bake repair operation that consists of spray booths for topcoat application to repair vehicle bodies and oven for curing. While Color1 (36 JPH) and Color2 (36 JPH) lines are identical topcoat lines (72 JPH), reprocess line is shorter and slower.	EU-COLOR-ONE EU-COLOR-TWO EU-REPROCESS (high bake repair)
FG-TEMPBOILERS	Two natural gas fired boilers. These are trailer-mounted temporary boilers installed since 2009 and mostly used in non-heating season (summer). Although capable of being moved, the boilers have been located at the plant for at least two years (as of March 2016). AQD received both NSPS Dc (April 30, 2007) and Major Source Boiler MACT 5D (May 24, 2013) notifications.	EU-TEMPBOILER1 EU-TEMPBOILER2
FG-BOILERS	Four (4) natural gas fired boilers to produce steam and heat.	EU-BOILER3 EU-BOILER4 EU-BOILER5 EU-BOILER6
FG-GASOLINE-TANKS	Three unleaded gasoline storage tanks.	EU-UNLEADEDGAS1
FG-RULE-331	Wood saws, lathes, etc.	EU-CARPENTERSHOP
FG-PM-MISC	This group consists of various emission units that have the same particulate requirements.	EU-COLOR-ONE-SAND EU-POLISH-DECK EU-REPROCESS-SAND EU-REPRO-POLISH EU-UNIPRIME-SAND

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FG-AUTOMACT	FG-AUTOMACT: 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.	EU-UNIPRIME EU-SOLVENT-WIPE EU-SEALERS&ADHESIVE EU-BLACKOUT-BOOTH EU-FINAL-REPAIR EU-SPOT-REPAIR-DECK EU-TUTONE EU-COLOR-ONE EU-COLOR-TWO EU-REPROCESS
FG-OLDMACT	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.	
FG-BOILER-MACT5D	Requirements for existing Gas 1, (Natural Gas only) for existing Boilers and Process Heaters at major sources of Hazardous Air Pollutants per 40 CFR Part 63, Subpart DDDDD. These existing boilers or process heaters must comply with this subpart no later than January 31, 2016, except as provided in 40 CFR 63.6(i).	EU-TEMPBOILER1 EU-TEMPBOILER2 EU-BOILER3 EU-BOILER4 EU-BOILER5 EU-BOILER6
FG-CI-RICE-MACT4Z<500HP	Existing CI Engines located at a Major Source < 500 HP, Emergency.	EU-ENG-FPH1
FG-CI-RICE-MACT4Z>500HP	Existing CI Engines located at a Major Source > 500 HP, Emergency.	EU-ENG-SMB1 EU-ENG-SMB2
FG-CI-RICE-NSPS4I<500	This flexible group includes new emergency compression ignition (CI) Diesel fired stationary reciprocating internal combustion engines (RICE) that have a maximum site rating of greater than or equal to 100 brake horsepower (HP), but less than 500 (HP) and subject to 40 CFR 60, Subpart IIII.	EU-ENG-FPH2 (305 HP, 01/01/2011, Fire Pump emergency engine)
FG-COLD-CLEANERS	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.	

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FG-RULE-290	Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rules 278 and 290.	
FG-RULE-287(c)	Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rules 278 and 287(c).	

**FG-TOPCOAT
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FG-TOPCOAT: Two topcoat lines (EU-COLOR-ONE & EU-COLOR-TWO) and one high bake-repair operation (EU-REPROCESS), which is a part of the topcoat system. Each topcoat line consists of spray booths for applying topcoat to vehicle bodies and oven for curing. Reprocess is high bake repair operation that consists of spray booths for topcoat application to repair vehicle bodies and oven for curing. While Color1 (36 JPH) and Color2 (36 JPH) lines are identical topcoat lines (72 JPH), reprocess line is shorter and slower.

Emission Units: EU-COLOR-ONE, EU-COLOR-TWO, EU-REPROCESS

POLLUTION CONTROL EQUIPMENT

1. Color1: Downdraft Water Wash System for the spray booths of EU-COLOR-ONE
2. Color1: Thermal Oxidizer for bake oven of EU-COLOR-ONE
3. Color2: Downdraft Water Wash System for the spray booths of EU-COLOR-TWO
4. Color2: Thermal Oxidizer for bake oven of EU-COLOR-TWO
5. Reprocess: Downdraft Water Wash System for the spray booths of EU-REPROCESS
6. Reprocess: Thermal Oxidizer for bake oven of EU-REPROCESS

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	1.47 ^{2θ} kg per liter of applied coating solids (12.3 lbs./GACS)	Calendar month average	FG-TOPCOAT	SC V.1, VI.4, VI.6	R 336.1702(a) 40 CFR 60 Subpart MM
2. VOC	270.2 ^{2β} Pounds per hour	Per hour operated in a calendar month	Spray booths of each topcoat line (EU-COLOR-ONE, EU-COLOR-TWO)	GC 13 SC V.1, VI.6, VI.7	R 336.2902 (formerly, R 336.1220)
3. VOC	582.11 ² Tons per year	12-month rolling time period	Spray booths of each topcoat line (EU-COLOR-ONE, EU-COLOR-TWO)	SC V.1, VI.7	R 336.2902 (formerly, R 336.1220)
4. VOC	6.8 ^{2β} Pounds per hour	Per hour operated in a calendar month	Bake Ovens of each topcoat line (EU-COLOR-ONE, EU-COLOR-TWO)	GC 13 SC V.1, VI.6, VI.7	R 336.2902 (formerly, R 336.1220)
5. VOC	15.67 ² Tons per year	12-month rolling time period	Bake Ovens of each topcoat line (EU-COLOR-ONE, EU-COLOR-TWO)	SC V.1, VI.7	R 336.2902 (formerly, R 336.1220)
6. VOC	89.9 ^{2β} Pounds per hour	Per hour operated in a calendar month	High Bake Repair spray booths (EU-REPROCESS)	GC 13 SC V.1, VI.6, VI.7	R 336.2902 (formerly, R 336.1220)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
7. VOC	193.74 ² Tons per year	12-month rolling time period	High Bake Repair spray booths (EU-REPROCESS)	SC V.1, VI.7	R 336.2902 (formerly, R 336.1220)
8. VOC	2.3 ² ^β Pounds per hour	Per hour operated in a calendar month	High Bake Repair bake oven (EU-REPROCESS)	GC 13 SC V.1, VI.6, VI.7	R 336.2902 (formerly, R 336.1220)
9. VOC	5.22 ² Tons per year	12-month rolling time period	High Bake Repair bake oven (EU-REPROCESS)	SC V.1, VI.7	R 336.2902 (formerly, R 336.1220)

^αPer the EPA Protocol (VI(4) & (5))

^βBased upon monthly values using methods acceptable to AQD.

GACS = Gallon of applied coating solids

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The 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 (R 336.1910, 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)

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. (R 336.2001, R 336.2003 & R 336.2004)
2. Verification of the Transfer Efficiency (TE) rates of the each topcoat line (TE test on one of the identical lines is sufficient if the permittee can demonstrate that the topcoat lines are identical) by testing, at owners expense, is required according to the following schedule:
 - a. Within 180 days of issuance of this permit if an acceptable Transfer Efficiency (TE) test has not been conducted within five 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 (TE) rate includes the submittal (within 60 calendar days following the last date of the sampling to both the SEMI District Supervisor and the Technical Programs Unit Supervisor, Air Quality Division, in a format acceptable to AQD) of a complete report of the test results. No less than 30 days prior to testing, a complete testing plan must be submitted to AQD. The final plan must be approved by AQD prior to testing. Not less than seven days before any test are conducted, the permittee shall notify the AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R 336.1213(3), R 336.2001(3))**

3. Verification of Oven Exhaust Control Device VOC Loading rates of each Topcoat line (OECD loading test on one of the identical lines is sufficient if the permittee can demonstrate that the topcoat lines are identical) and 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 an Oven Exhaust Control Device VOC Loading test has not been conducted within five 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 (within 60 calendar days following the last date of the sampling to both the SEMI District Supervisor and the Technical Programs Unit Supervisor, Air Quality Division, in a format acceptable to AQD) of a complete report of the test results. No less than seven days before any tests are conducted, the permittee shall notify AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R 336.1213(3), R 336.2001(3))**

4. Verification of Destruction Efficiency (DE) of the Thermal Oxidizer for the associated oven of each topcoat line and 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 (DE) 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 (DE) of the Thermal Oxidizer.

Verification of Destruction Efficiency (DE) of the Thermal Oxidizer for the oven includes the submittal (within 60 calendar days following the last date of the sampling to both the SEMI District Supervisor and the Technical Programs Unit Supervisor, Air Quality Division, in a format acceptable to AQD) of a complete report of the test results. No less than seven days before any tests are conducted, the permittee shall notify AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R 336.1213(3), R 336.2001(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 **(R 336.1201(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 **(R 336.1201(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): **(R 336.1213(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 (DE)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. **(R 336.1213(3))**
6. Plant production hours: Monthly records. **(R 336.1213(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 AQD. **(R 336.1213(3))**
8. Weekly records of the condition of water wash system and records of the date of maintenance/repairs. **(R 336.1213(3))**
9. Calibration records of the temperature measurement devices. **(R 336.1213(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))**

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

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 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))**
6. Each semiannual report of monitoring and deviations shall include summary information on monitor downtime. If there were no periods of monitor downtime in the reporting period, then this report shall include a statement that there were no periods of monitor downtime. **(40 CFR 64.9(a)(2)(ii))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVSMB-G-03-01	NA	42 ¹	R 336.1901
2. SVSMB-G-03-01	NA	42 ¹	R 336.1901
3. SVSMB-G-03-01	NA	42 ¹	R 336.1901
4. SVSMB-G-03-01	NA	42 ¹	R 336.1901
5. SVSMB-G-10-01	NA	105 ¹	R 336.1901
6. SVSMB-G-12-01	NA	105 ¹	R 336.1901
7. SVSMB-G-13-C1-01	NA	105 ¹	R 336.1901
8. SVSMB-G-13-C1-02	NA	105 ¹	R 336.1901
9. SVSMB-G-13-C1-03	NA	105 ¹	R 336.1901
10. SVSMB-G-13-C1-04	NA	105 ¹	R 336.1901
11. SVSMB-G-14-C1-01	NA	105 ¹	R 336.1901
12. SVSMB-G-14-C1-02	NA	105 ¹	R 336.1901
13. SVSMB-G-14-C1-03	NA	105 ¹	R 336.1901
14. SVSMB-G-14-C1-04	NA	105 ¹	R 336.1901
15. SVSMB-G-15-C1-01	NA	105 ¹	R 336.1901
16. SVSMB-G-15-C1-02	NA	105 ¹	R 336.1901
17. SVSMB-G-15-C1-03	NA	105 ¹	R 336.1901
18. SVSMB-G-15-C1-01	NA	105 ¹	R 336.1901
19. SVSMB-G-16-C1-02	NA	105 ¹	R 336.1901
20. SVSMB-G-16-C1-03	NA	105 ¹	R 336.1901
21. SVSMB-G-16-C1-04	NA	105 ¹	R 336.1901
22. SVSMB-G-17-C1-01	NA	105 ¹	R 336.1901
23. SVSMB-G-17-C1-02	NA	105 ¹	R 336.1901
24. SVSMB-G-17-C1-03	NA	105 ¹	R 336.1901
25. SVSMB-G-17-C1-04	NA	105 ¹	R 336.1901
26. SVSMB-G-18-C1-01	NA	105 ¹	R 336.1901
27. SVSMB-G-18-C1-02	NA	105 ¹	R 336.1901
28. SVSMB-G-18-C1-03	NA	105 ¹	R 336.1901
29. SVSMB-G-19-C1-01	NA	105 ¹	R 336.1901
30. SVSMB-G-19-C1-02	NA	105 ¹	R 336.1901
31. SVSMB-G-19-C1-03	NA	105 ¹	R 336.1901
32. SVSMB-G-19-C1-04	NA	105 ¹	R 336.1901
33. SVSMB-H-02-01	NA	42 ¹	R 336.1901
34. SVSMB-H-03-01	NA	42 ¹	R 336.1901
35. SVSMB-H-03-02	NA	42 ¹	R 336.1901
36. SVSMB-H-08-02	NA	42 ¹	R 336.1901
37. SVSMB-H-10-02	NA	42 ¹	R 336.1901
38. SVSMB-H-12-02	NA	90 ¹	R 336.1901
39. SVSMB-H-14-C2-01	NA	90 ¹	R 336.1901
40. SVSMB-H-14-C2-02	NA	90 ¹	R 336.1901
41. SVSMB-H-14-C2-03	NA	90 ¹	R 336.1901
42. SVSMB-H-14-C2-04	NA	90 ¹	R 336.1901
43. SVSMB-H-15-C2-01	NA	90 ¹	R 336.1901
44. SVSMB-H-15-C2-02	NA	90 ¹	R 336.1901
45. SVSMB-H-15-C2-03	NA	90 ¹	R 336.1901
46. SVSMB-H-16-C2-01	NA	90 ¹	R 336.1901
47. SVSMB-H-16-C2-02	NA	90 ¹	R 336.1901

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
48. SVSMB-H-16-C2-03	NA	90 ¹	R 336.1901
49. SVSMB-H-16-C2-04	NA	90 ¹	R 336.1901
50. SVSMB-H-17-C2-01	NA	90 ¹	R 336.1901
51. SVSMB-H-17-C2-02	NA	90 ¹	R 336.1901
52. SVSMB-H-17-C2-03	NA	90 ¹	R 336.1901
53. SVSMB-H-17-C2-04	NA	90 ¹	R 336.1901
54. SVSMB-H-18-C2-01	NA	90 ¹	R 336.1901
55. SVSMB-H-18-C2-02	NA	90 ¹	R 336.1901
56. SVSMB-H-18-C2-03	NA	90 ¹	R 336.1901
57. SVSMB-H-19-C2-01	NA	90 ¹	R 336.1901
58. SVSMB-H-19-C2-02	NA	90 ¹	R 336.1901
59. SVSMB-H-19-C2-03	NA	90 ¹	R 336.1901
60. SVSMB-H-19-C2-04	NA	90 ¹	R 336.1901
61. SVSMB-H-20-C2-01	NA	90 ¹	R 336.1901
62. SVSMB-H-20-C2-02	NA	90 ¹	R 336.1901
63. SVSMB-J-02-01	NA	42 ¹	R 336.1901
64. SVSMB-J-03-01	NA	42 ¹	R 336.1901
65. SVSMB-J-03-02	NA	42 ¹	R 336.1901
66. SVSMB-J-08-02	NA	42 ¹	R 336.1901
67. SVSMB-K-10-02	NA	42 ¹	R 336.1901
68. SVSMB-J-13-01	NA	90 ¹	R 336.1901
69. SVSMB-J-13-02	NA	90 ¹	R 336.1901
70. SVSMB-J-13-03	NA	90 ¹	R 336.1901
71. SVSMB-J-13-04	NA	90 ¹	R 336.1901
72. SVSMB-J-14-01	NA	90 ¹	R 336.1901
73. SVSMB-J-14-02	NA	90 ¹	R 336.1901
74. SVSMB-J-14-03	NA	90 ¹	R 336.1901
75. SVSMB-J-14-04	NA	90 ¹	R 336.1901
76. SVSMB-J-15-01	NA	90 ¹	R 336.1901
77. SVSMB-J-15-02	NA	90 ¹	R 336.1901
78. SVSMB-J-15-03	NA	90 ¹	R 336.1901
79. SVSMB-J-16-01	NA	90 ¹	R 336.1901
80. SVSMB-J-16-02	NA	90 ¹	R 336.1901
81. SVSMB-J-16-03	NA	90 ¹	R 336.1901
82. SVSMB-J-16-04	NA	90 ¹	R 336.1901
83. SVSMB-J-16-05	NA	90 ¹	R 336.1901

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

Footnotes:

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-TEMPBOILERS
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FG-TEMPBOILERS: Two natural gas fired boilers:

These are trailer-mounted temporary boilers installed since 2009 and mostly used in non-heating season (summer). Although capable of being moved, the boilers have been located at the plant for at least two years (as of March 2016). AQD received both NSPS Dc (April 30, 2007) and Major Source Boiler MACT 5D (May 24, 2013) notifications.

Emission Unit:

1. EU-TEMPBOILER1: 25 million BTU per hour heat input natural gas only fired trailer-mounted temporary boiler.
2. EU-TEMPBOILER2: 29 million BTU per hour heat input natural gas only fired trailer-mounted temporary boiler.

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall burn only pipeline quality sweet natural gas natural gas. (R 336.1213(3), 40 CFR 60 Subpart Dc)

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))

1. The permittee shall keep monthly records of natural gas used in FG-TEMPBOILERS. **(R 336.1213(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))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. 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).

**FG-BOILERS
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FG-BOILERS: Four (4) natural gas fired boilers to produce steam and heat.

Emission Unit:

1. EU-BOILER3: 152 million BTU heat input per hour (Babcox & Wilcox Boiler3, installed 7/11/98) natural gas only boiler equipped with low NOx burners.
2. EU-BOILER4: 106 million BTU heat input per hour (Babcox & Wilcox Boiler4, installed 7/11/98) natural gas only boiler equipped with low NOx burners..
3. EU-BOILER5: 152 million BTU heat input per hour (Wickes Boiler5, installed 9/1/96) natural gas only boiler equipped with low NOx burners.
4. EU-BOILER6: 192 million BTU heat input per hour (Riley Stoker Boiler6, installed 10/29/84) natural gas only boiler equipped with oxygen trim system but not low NOx burners.

POLLUTION CONTROL EQUIPMENT

While Boiler Nos. 3, 4 and 5 are equipped with low NOx burners, Boiler No. 6 (with oxygen trim system) is a high efficiency boiler but not low NOx.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. NOx	119 ² Tons per year	12-month rolling time period	FG-BOILERS	SC V.1, VI.1	R 336.1201(3)

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Natural Gas	1,305 ² Million (MM) standard cubic feet per year	12-month rolling time period	FG-BOILERS	SC VI.1	R 336.1201(3)

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall only burn pipeline quality sweet natural gas in FG-BOILERS.² (R 336.1201(3))

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

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

1. Verification of the NOx emission rate for each boiler by testing of FG-BOILERS, at owner's expense, is required according to the following schedule:

- a. Within two years of issuance of this permit, if an acceptable NOx emission rate test has not been conducted within two 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 (within 60 calendar days following the last date of the sampling to both the SEMI District Supervisor and the Technical Programs Unit Supervisor, Air Quality Division, in a format acceptable to AQD) 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 AQD. The final plan must be approved by the AQD prior to testing. Not less than seven days before any test are conducted, the permittee shall notify the AQD District Supervisor, in writing, of the time and place of the test and who will be conducting it. **(R 336.1213(3), R 336.2001(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 **(R 336.1201(3))**
- 2. The permittee shall conduct and record routine and scheduled preventative maintenance programs for FG-BOILERS. **(R 336.1213(3))**

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. 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. Concerning three of four permanent (installed after June 9, 1989) natural gas fired boilers (EU-BOILER3, EU-BOILER4 & EU-BOILER5), 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).

**FG-GASOLINE-TANKS
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FG-GASOLINE-TANKS: Three unleaded gasoline storage tanks.

Emission Units:

1. EU-UNLEADEDGAS1 (TK1 25,000 gal) – above-ground storage tank with spill containment

POLLUTION CONTROL EQUIPMENT

Vapor Balance System

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The 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. **(R 336.1703(3)(a))**
 - b. A device to ensure that the vapor-tight collection line shall close upon disconnection to prevent release of gasoline vapor. **(R 336.1703(3)(b))**
2. The vapor balance system shall be installed, maintained and operated in a satisfactory manner. **(R 336.1213(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. Each tank of FG-GASOLINE-TANKS shall be equipped with a permanent submerged fill pipe. **(R 336.1703(1))**
2. Each storage vessel shall meet the following parameters:
 - a. 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))**

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. **(R 336.1213(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
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

**FG-RULE-331
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FG-RULE-331: Wood saws, lathes, etc.

Emission Unit: EU-CARPENTERSHOP

POLLUTION CONTROL EQUIPMENT

Baghouse for EU-CARPENTERSHOP

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	0.10 Pounds of PM per 1000 pounds of exhaust gas	Test protocol	FG-RULE-331	SC VI.1	R 336.1331(1)(a)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate FG-RULE-331 unless the corresponding control devices are installed and operating properly. **(R 336.1910)**

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))**

1. The permittee shall implement and maintain a monthly check to ensure proper operation of the control equipment for each emission unit on a monthly basis. Proper operation includes ensuring the bags / filters are installed in a leak-tight manner and hoppers are emptied promptly. Any maintenance activity performed on the control device shall be recorded and kept on file which will be available to AQD upon request. Proper operation of a particulate control system (s) as stated above is deemed to show compliance with SC I.1 emission limit. **(R 336.1213(3))**

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

**FG-PM-MISC
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FG-PM-MISC: This group consists of various emission units that have the same particulate requirements.

Emission Units:

1. EU-COLOR-ONE-SAND: Color1 paint line sanding operations.
2. EU-POLISH-DECK: Polish-deck polishing of minor surface defects.
3. EU-REPROCESS-SAND: Topcoat sanding operations on painted vehicles with enclosure to capture particulate emissions.
4. EU-REPRO-POLISH: Polishing of minor surface defects on painted vehicles.
5. EU-UNIPRIME-SAND: E-coat sanding operations with exhausted enclosure to capture particulate emissions.

POLLUTION CONTROL EQUIPMENT

Associated exhaust filters.

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-PM-MISC	SC VI.1	R 336.1201(3)

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate FG-PM-MISC unless the associated exhaust filters are installed and operating properly, which includes ensuring that filters are installed snug and tight without gaps and holes. Proper operation of a particulate control system (s) as stated above is deemed to show compliance with SC I.1 emission limit.² (R 336.1910)

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))**

1. The permittee shall inspect the integrity of the exhaust filters on a monthly basis to ensure proper operation (ensuring that filters are installed snug and tight without gaps and holes). Any maintenance activity performed on the exhaust filters shall be recorded and kept on file. **(R 336.1213(3))**

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

NA

Footnotes:

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

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

FG-AUTOMACT FLEXIBLE GROUP CONDITIONS

DESCRIPTION

FG-AUTOMACT: 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 Unit: EU-UNIPRIME, EU-SOLVENT-WIPE, EU-SEALERS&ADHESIVE, EU-BLACKOUT-BOOTH, EU-FINAL-REPAIR, EU-SPOT-REPAIR-DECK, EU-TUTONE, EU-COLOR-ONE, EU-COLOR-TWO, EU-REPROCESS,

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Organic HAP	0.60 Pounds 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 Pounds 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 Pound per pound of coating	Calendar month	Existing – EU-SEALERS&ADHESIVE	Condition Nos. III.2, V.1 & VI.3	40 CFR 63.3090(c) or 63.3091(c)
4. Organic HAP	0.01 Pound per pound of coating	Calendar month	Existing – EU-DEADENERBOOTH	Condition Nos. III.2, V.1 & VI.3	40 CFR 63.3090(d) or 63.3091(d)

- **FG-AUTOMACT** 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-AUTOMACT WITH ECOAT** also includes Electrocoat operations in addition to all of the operations of FG-AUTOMACT.
- **EU-SEALERS&ADHESIVE** 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.

GACS = Gallon of Applied Coating Solids or Gallon of Coating Solids Deposited.

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).

Note: The permittee opts to show compliance with the Auto MACT HAP emission limits without taking HAP destruction credit pertaining to the oven thermal oxidizers via use of compliant coatings. If the permittee chooses to take credit for HAP destruction using oven thermal oxidizers, the permittee shall comply with the Auto MACT control devices operating limits of §63.3093 and Table 1.

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The 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).
2. 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))**
3. 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)**
4. 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).

5. 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))**
6. 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))**
7. 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)

NA

V. TESTING/SAMPLING

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

1. The permittee shall perform the applicable performance tests and compliance demonstrations in accordance with 40 CFR 63.3150-3152, 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))**

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 E-COAT, 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-SEALERS&ADHESIVE, 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 E-COAT in pounds per gallon of applied coating solids. If the 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&ADHESIVE. **(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 (including RTO for e-coat)	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.

- 7. The 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))**

See Appendices 8

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), R 336.1213(3)(c)(i))**
- 3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
- 4. The permittee shall submit all semiannual compliance reports as required by 40 CFR 63.3120(a). The first time period covered by these reports shall be shortened so as to end on either June 30 or December 31, whichever comes first. These reports shall be due March 15 for the reporting period July 1 to December 31 and September 15 for the reporting period January 1 to June 30. **(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
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-OLDMACT
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FG-OLDMACT: 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.

Emission Unit: The permittee shall maintain an up-to-date list of emissions units subject to FG-OLDMACT.

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

- 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))**
- 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)

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))**

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 format acceptable to AQD. **(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), whichever 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
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-OLDMACT. The permittee may choose an alternative compliance method not listed in FG-OLDMACT 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)**

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-BOILER-MACT5D
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Requirements for existing Gas 1, (Natural Gas only) for existing Boilers and Process Heaters at major sources of Hazardous Air Pollutants per 40 CFR Part 63, Subpart DDDDD. These existing boilers or process heaters must comply with this subpart no later than January 31, 2016, except as provided in 40 CFR 63.6(i).

While Boiler No. 6 has an oxygen trim system, Boiler Nos. 3, 4 & 5 only have O2 monitoring (FG-BOILERS).

Oxygen trim system means a system of monitors that is used to maintain excess air at the desired level in a combustion device over its operating load range. A typical system consists of a flue gas oxygen and/or CO monitor that automatically provides a feedback signal to the combustion air controller or draft controller.

Emission Units: At the time of 2016 ROP permit renewal, the following boilers are present (all are greater than 10 MM BTU per hour natural gas only boilers):

FG-TEMPBOILERS

1. EU-TEMPBOILER1: 25 million BTU per hour heat input natural gas only fired trailer-mounted temporary boilers.
2. EU-TEMPBOILER2: 29 million BTU per hour heat input natural gas only fired trailer-mounted temporary boilers.

FG-BOILERS

1. EU-BOILER3: 152 million BTU heat input per hour (Babcox & Wilcox Boiler3, installed 7/11/98) natural gas only boiler equipped with low NOx burners.
2. EU-BOILER4: 106 million BTU heat input per hour (Babcox & Wilcox Boiler4, installed 7/11/98)) natural gas only boiler equipped with low NOx burners.
3. EU-BOILER5: 152 million BTU heat input per hour (Wickes Boiler5, installed 9/1/96) natural gas only boiler equipped with low NOx burners.
4. EU-BOILER6: 192 million BTU heat input per hour (Riley Stoker Boiler6, installed 10/29/84)) natural gas only boiler equipped with oxygen trim system but not low NOx burners.

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMIT(S)

1. The permittee shall **only** burn pipeline quality sweet natural gas. **(40 CFR 63.7499(I))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee must meet the tune-up and Energy Assessment work practice standards for each applicable boiler or process heater at the source. **(40 CFR 63.7500(a)(1), 40 CFR Part 63, Subpart DDDDD, Table 3, Nos. 1-4)**

2. The permittee must operate and maintain affected sources in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. **(40 CFR 63.7500(a)(3))**
3. The permittee may obtain approval from the Administrator to use an alternative to the work practice standards noted in SC III.1 and/or SC III.2. **(40 CFR 63.7500(b))**
4. The permittee must:
 - a. Complete a tune-up annually (13 months) for boilers without a continuous oxygen trim system and greater than 10 million Btu per hour. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every five years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up. **(40 CFR 63.7540(a)(10), 40 CFR 63.7515(d))**
 - b. Conduct the tune-up within 30 calendar days of startup, if the unit is not operating on the required date for a tune-up. **(40 CFR 63.7540(a)(13))**
 - c. Follow the procedures described in SC IX 4.a through 4.f for all initial and subsequent tune ups. **(40 CFR 63.7540(a)(10), 40 CFR Part 63, Subpart DDDDD, Table 3)**
 - d. Complete the Initial tune ups on all affected units no later than January 31, 2016, except as provided in **40 CFR 63.7510(j)** and **40 CFR 63.7540(a)(13)**.
5. The permittee must complete the one-time energy assessment no later than January 31, 2016. Alternatively, the facility may operate under an energy management program compatible with ISO 50001 that includes the affected units to satisfy the energy assessment requirements.(40 CFR 63.7510(e), 40 CFR Part 63, Subpart DDDDD, Table 3, Nos. 1-4)

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))**

1. The permittee must keep a copy of each notification and report submitted to comply with 40 CFR Part 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that the permittee submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv). **(40 CFR 63.7555(a)(1))**
2. The permittee must keep each record on site, or they must be accessible from on-site (for example, through a computer network), for at least two years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee can keep the records off site for the remaining 3 years. **(40 CFR 63.7560(a), (b), and (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))**
4. The permittee must submit a Notification of Compliance Status that includes each applicable boiler or process heater before the close of business on the 60th day following the completion of the initial compliance demonstrations for all boiler or process heaters at the facility. The Notification of Compliance Status report must contain the following information. **(40 CFR 63.7545(e))**
 - a. A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with 40 CFR Part 63, Subpart DDDDD, description of the fuel(s) burned. **(40 CFR 63.7545(e)(1))**
 - b. Certification(s) of compliance, as applicable, and signed by a responsible official: **(40 CFR 63.7545(e)(8))**
 - i. "This facility complies with the required initial tune-up according to the procedures in 40 CFR 63.7540(a)(10)(i) through (vi)." **(40 CFR 63.7545(e)(8)(i))**
 - ii. "This facility has had an energy assessment performed according to 40 CFR 63.7530(e) or operates under an energy management program compatible with ISO 50001." **(40 CFR 63.7545(e)(8)(ii))**
5. The permittee must submit boiler tune-up compliance reports. The first compliance report shall cover the period January 31, 2016 thru December of the year in which the tune up was completed and must be postmarked or submitted no later than March 15 of the reporting year that immediately follows the year in which the tune-up was completed. Subsequent compliance reports must be postmarked or submitted by March 15 of the year following the tune-up and must cover the applicable 1, 2, or 5 year period starting from January 1 of the year following the previous tune-up to December 31 (of the latest tune-up year). Compliance reports must be submitted using the Compliance and Emissions Data Reporting Interface (CEDRI) which is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). If the reporting form is not available in CEDRI at the time the compliance report is due, a hardcopy of the compliance report shall be submitted to the state and EPA Region 5. At the discretion of the Administrator, the permittee must submit these reports, in the format specified by the Administrator. **(40 CFR 63.7550(b), 40 CFR 63.10(a)(5), 40 CFR 63.7550(h)(3))**
6. The permittee must include the following information in the compliance report. **(40 CFR 63.7550(c), 40 CFR 63.7550(c)(1))**
 - a. Company and Facility name and address. **(40 CFR 63.7550(c)(5)(i))**
 - b. Process unit information, emissions limitations, and operating parameter limitations. **(40 CFR 63.7550(c)(5)(ii))**
 - c. Date of report and beginning and ending dates of the reporting period. **(40 CFR 63.7550(c)(5)(iii))**
 - d. The total operating time during the reporting period. **(40 CFR 63.7550(c)(5)(iv))**
 - e. Include the date of the most recent tune-up for each unit. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown. **(40 CFR 63.7550(c)(5)(xiv))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. The permittee must comply with 40 CFR Part 63, Subpart DDDDD no later than January 31, 2016, for existing boilers and process heaters, unless an extension has been granted per 40 CFR 63.6(i). **(40 CFR 63.7495(b))**
2. The permittee must be in compliance with the applicable work practice standards. **(40 CFR 63.7505(a))**
3. For affected sources (as defined in 40 CFR 63.7490) that have not operated since the previous compliance demonstration and more than one year has passed since the previous compliance demonstration, the permittee must complete a subsequent tune-up within 30 days of startup by following the procedures described in SC IX 4.a through 4.f. **(40 CFR 63.7515(g))**
4. The permittee must demonstrate continuous compliance with the tune-up requirement by completing the following: **(40 CFR 63.7540(a))**
 - a. Inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment. **(40 CFR 63.7540(a)(10)(i))**
 - b. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. **(40 CFR 63.7540(a)(10)(ii))**
 - c. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection. **(40 CFR 63.7540(a)(10)(iii))**
 - d. Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject. **(40 CFR 63.7540(a)(10)(iv))**
 - e. Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer. **(40 CFR 63.7540(a)(10)(v))**
 - f. Maintain on-site and submit, if requested by the Administrator, the most recent periodic report containing the information as listed below. **(40 CFR 63.7540(a)(10)(vi))**
 - i. The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater. **(40 CFR 63.7540(a)(10)(vi)(A))**
 - ii. A description of any corrective actions taken as a part of the tune-up. **(40 CFR 63.7540(a)(10)(vi)(B))**
 - iii. The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit. **(40 CFR 63.7540(a)(10)(vi)(C))**
5. Concerning all Boilers and Process Heaters at this major source (FG-TEMPBOILERS, FG-BOILERS and other units [including less than 5 MMBtu/hour boiler; and equal to or greater than 5 MMBtu/hour & less than 10 MMBtu/hour boiler] which may be installed), 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 DDDDD (5D) for Boilers and Process Heaters at major sources of Hazardous Air Pollutants. **(40 CFR, Part 63, Subpart DDDDD—National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters)**

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-CI-RICE-MACT4Z<500HP
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

FG-CI-RICE-MACT4Z<500HP aka FG63-4Z-M/Ex/CI/Em/<500: Existing CI (Diesel) Engines located at a Major Source 266 HP < 500 HP, Emergency

Emission Unit: EU-ENG-FPH1

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

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

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Each engine in FG63-4Z-M/Ex/CI/Em/<500 shall be installed, maintained, and operated in a satisfactory manner. A list of recommended work practice standards as specified in 63.6602 and Table 2c, Item 1 or the permittee may petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices. The following are the recommended work practices specified in 40 CFR Part 63 Subpart ZZZZ Table 2c:
 - a. Change oil and filter every 500 hours of operation or annually, whichever comes first, except as allowed in SC III.2.
 - b. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
 - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

If the emergency engine is being operated during an emergency and it is not possible to shut down the engine to perform the work practice standards on the schedule required, the work practice standard can be delayed until the emergency is over. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State or local law has been abated. Sources must report any failure to perform the work practice on the schedule required and the Federal, State or local law or which the risk was deemed unacceptable. **(40 CFR 63.6602, 40 CFR Part 63 Subpart ZZZZ Table 2c, Item 6)**

2. The permittee may utilize an oil analysis program in order to extend the specified oil change requirement. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c of 40 CFR Part 63 Subpart ZZZZ. **(40 CFR 63.6625(i))**

3. The permittee shall install, maintain and operate each engine in FG63-4Z-M/Ex/CI/Em/<500 and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 63.6605, 40 CFR 63.6625(e))**
4. The permittee shall minimize the time spent at idle during startup and minimize the startup time of each engine in FG63-4Z-M/Ex/CI/Em/<500 to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply. **(40 CFR 63.6625(h))**
5. The permittee shall not allow each engine in FG63-4Z-M/Ex/CI/Em/<500 to exceed 100 hours per calendar year for maintenance checks and readiness testing and emergency demand response. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. **(40 CFR 63.6640(f)(2))**
6. The permittee may operate each engine in FG63-4Z-M/Ex/CI/Em/<500 up to 50 hours per calendar year for non-emergency situations, but those hours are to be counted towards the 100 hours per calendar year for maintenance and testing and emergency demand response, as allowed in 40 CFR 63.6640(f)(2). **40 CFR 63.6640(f)(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall install a non-resettable hour meter on each engine in FG63-4Z-M/Ex/CI/Em/<500. **(40 CFR 63.6625(f))**

V. TESTING/SAMPLING

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

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

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. For each engine in FG63-4Z-M/Ex/CI/Em/<500 the permittee shall keep in a satisfactory manner, records of the maintenance conducted to demonstrate that the engine and after-treatment control device (if any) were operated and maintained according to the developed maintenance plan. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(e), 40 CFR 63.6660)**
2. For each engine in FG63-4Z-M/Ex/CI/Em/<500 the permittee shall keep in a satisfactory manner, records of hours of operation recorded through the non-resettable hour meter. The permittee shall document how many hours were spent during emergency operation and how many hours were spent during non-emergency

operation. If the engines were used for demand response operation, the permittee shall keep records of the notification of the emergency situation and the time the engine was operated as part of demand response. The permittee shall keep all records on file and make them available to the department upon request. **(40 CFR 63.6655(f), 40 CFR 63.6660)**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in Subpart ZZZZ in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of Subpart ZZZZ along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in Subpart ZZZZ, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority. **(40 CFR 63.6650(f))**

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. The permittee shall 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 ZZZZ, for Stationary Reciprocating Internal Combustion Engines by the initial compliance date. **(40 CFR 63.6595(a)(2), 40 CFR Part 63 Subparts A and ZZZZ)**

Footnotes:

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

**FG-CI-RICE-MACT4Z>500HP
FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

Existing CI Engines located at a Major Source > 500 HP, Emergency

Emission Units: EU-ENG-SMB1 (900 HP) and EU-ENG-SMB2 (900 HP)

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not allow the engine(s) to exceed 100 hours for maintenance checks and readiness testing and emergency demand response. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year. **(40 CFR 63.6640(f)(1)(ii))**
2. The permittee may operate the engines up to 50 hours per year for non-emergency situations, but those hours are to be counted towards the 100 hrs./year for maintenance and testing and emergency demand response, as allowed in 40 CFR 63.6640(f)(3). **(40 CFR 63.6640(f)(1)(iii))**

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))**

1. For each CI engine/s the permittee shall keep in satisfactory manner, records of hours of operation. The permittee shall document how many hours were spent during emergency operation and how many hours were spent during non-emergency operation. If the engines were used for demand response operation, the permittee shall keep records of the notification of the emergency situation and the time the engine was operated as part of demand response. The permittee shall keep all records on file and make them available to the department upon request. **(R 336.1213(3))**

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

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 ZZZZ, for Stationary Reciprocating Internal Combustion Engines by the initial compliance date. **(40 CFR 63.6595(a)(2), 40 CFR Part 63 Subparts A and ZZZZ)**
2. There is no time limit on the use of emergency stationary RICE in emergency situations.

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-CI-RICE-NSPS4I<500
 FLEXIBLE GROUP CONDITIONS**

DESCRIPTION

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

Emission Unit: EU-ENG-FPH2 (305 HP, 1/1/2011) Fire Pump emergency engine

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. NHMC + NOx	4.0 g/KW-hr or 3.0 g/HP-hr	Test Protocol*	EU-ENG-FPH2	NA	40 CFR 60.4205(c) Table 4
	10.5 g/KW-hr** or 7.8 g/HP-hr	Test Protocol*	EU-ENG-FPH2	NA	40 CFR 60.4205(c) Table 4
2. PM	0.2 g/KW-hr or 0.15 g/HP-hr	Test Protocol*	EU-ENG-FPH2	NA	40 CFR 60.4205(c) Table 4
	0.54 g/KW-hr** or 0.40 g/HP-hr	Test Protocol*	EU-ENG-FPH2	NA	40 CFR 60.4205(c) Table 4
3. CO	3.50g/KW-hr** or 2.6 g/HP-hr	Test Protocol*	EU-ENG-FPH2	NA	40 CFR 60.4205(c) Table 4

*Manufacturer certification demonstrates compliance with emission limits.

**For model years 2009-2011 with rated speed > 2650 rpm

II. MATERIAL LIMIT(S)

1. The permittee shall burn only diesel fuel, in EU-ENG-FPH2 with the maximum sulfur content of 15 ppm (0.0015 percent or 15 ppm S ULSD) by weight. **(40 CFR 60.4207, 40 CFR 80.510(b))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee may operate EU-ENG-FPH2 for no more than 100 hours per calendar year for the purpose of necessary maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing. A petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per year. EU-ENG-FPH2 may operate up to 50 hours per year in non-emergency

situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply non-emergency power as part of a financial arrangement with another entity. **(40 CFR 60.4211(f))**

2. The permittee shall operate and maintain EU-ENG-FPH2 such that it meets the emission limits in SC I.1 -3 over the entire life of the engine. **(40 CFR 60.4206, 60.4208)**
3. If the permittee purchased a certified engine, according to procedures specified in 40 CFR Part 60 Subpart IIII, for the same model year, the permittee shall meet the following requirements for EU-ENG-FPH2:
 - a. Operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions.
 - b. Keep a maintenance plan and the permittee may only change those engine settings that are permitted by the manufacturer. If you do not operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine. **(40 CFR 60.4211)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. EU-ENG-FPH2 shall be equipped with a non-resettable hour meter. **(40 CFR 60.4209)**

V. TESTING/SAMPLING

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

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 records of the hours of operation for emission unit EU-ENG-FPH2 through a non-resettable hour meter. The permittee must document how many hours are spent for emergency operation; including what classified the operation as emergency and how many hours are spent for non-emergency operation. **(40 CFR 60.4211(f))**
2. The permittee shall keep records of all notifications submitted to comply with this subpart and all documentation supporting any notification. **(40 CFR 60.4214)**
3. The permittee shall keep records of maintenance conducted to demonstrate compliance. **(40 CFR 60.4211(g))**
4. The permittee shall keep records of documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054 and 1060, as applicable. **(40 CFR 60.4211(a))**

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

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

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

IX. OTHER REQUIREMENT(S)

1. There is no time limit on the use of emergency stationary RICE in emergency situations. . **(40 CFR 60.4211(f))**

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-COLD-CLEANERS 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: The permittee shall maintain an up-to-date list of cold-cleaners.

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

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

III. PROCESS/OPERATIONAL RESTRICTION(S)

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

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The cold cleaner must meet one of the following design requirements:
 - a. The air/vapor interface of the cold cleaner is no more than ten square feet. **(R 336.1281(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)

1. The permittee shall maintain an up-to-date list of cold-cleaners. The list shall be updated at least annually.

FG-RULE-290

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: The permittee shall maintain an up-to-date list of Rule 290 sources.

POLLUTION CONTROL EQUIPMENT

The permittee shall maintain a description of each 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 five 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 DEQ, AQD Rule 290, Permit to Install Exemption Record form (EQP 3558) or in a format that is acceptable to 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

If the permittee chooses to use record form EQP 3558 for its Rule 290 emission unit(s), the permittee has the option of placing the form in Appendix 4 of the ROP. The latest version of the form is available on the MDEQ-AQD website. The permittee is not required to include record form EQP 3558 in their ROP.

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall maintain an up-to-date list of Rule 290 processes along with description of processes and control equipment. The list shall be updated at least annually. **(R 336.1278a)**
2. The permittee shall perform Rule 278 analysis. **(R 336.1278)**

**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: The permittee shall maintain an up-to-date list of 287(c) booths.

POLLUTION CONTROL EQUIPMENT

Each booth shall be equipped with a dry filter system or equivalent.

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Underlying Applicable Requirement
Coatings	200 Gallons per month	Per month, as applied, minus water, per emission unit	FG-RULE-287(c)	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 DEQ, AQD Rule 287(c), Permit to Install Exemption Record form (EQP 3562) or in a format acceptable to 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

If the permittee chooses to use record form EQP 3562 for its Rule 287(c) emission unit(s), the permittee has the option of placing the form in Appendix 4 of the ROP. The latest version of the form is available on the MDEQ-AQD website. The permittee is not required to include record form EQP 3562 in their ROP.

VII. REPORTING

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

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

E. NON-APPLICABLE REQUIREMENTS

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

APPENDICES

Appendix 1. Acronyms and Abbreviations

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

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

Appendix 2. Schedule of Compliance

The permittee certified in this 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.*

**The requirement to address this issue is satisfied if a performance test (i.e., stack test) has been performed on the control device within the prior 18 month period.*

Appendix 4. Recordkeeping

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

Appendix 5. Testing Procedures

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

Appendix 6. Permits to Install

At the time of permit issuance, no Permits to Install have been issued to this facility. Therefore, this appendix is not applicable.

Appendix 7. Emission Calculations

The permittee shall use the following calculations methods as guidance in conjunction with monitoring, testing or recordkeeping data to determine compliance with the applicable requirements referenced in EU-Blackout Booth, EU-MechWasher, EU-Solvent Wipe, EU-Tutone, EU-Uniprime, EU-Final Repair, EU-Fluid Fill, EU-Sealers&Adhesive, EU and FG-Topcoat. These calculations are to be used to estimate the emission rate that are utilized in the compliance demonstrations; however, not all calculated values have an underlying applicable requirement (e.g., monthly VOC emissions are utilized to calculate hourly VOC emissions though there is no limit on monthly VOC emissions). Material usage and VOC content are with water unless otherwise noted. Alternate calculation methods may be utilized where acceptable to the AQD. The AQD does not require a specific format to be used for submittal and currently used formats are considered acceptable unless notified in writing by the AQD.

VOC Emissions – Monthly Calculation (lbs./month) for Emission Units without Controls:

Pounds VOC/month = total material usage (gallons/month) * VOC content (lbs./gal)

VOC Emissions – Monthly Calculation (lbs./month) for Emission Units with Controls:

Pounds VOC/month = total material usage (gal/month) * VOC content (lbs./gal) * [(1- capture eff.) + capture eff. * (1- control eff.)]

VOC hourly Emission Calculation Averaged over a Month period (lbs./hr):

Pounds VOC/Hour = (Pounds VOC/month) / (monthly hours of operation)

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

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

B. Other Reporting

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