



# MAJOR SOURCE OPERATING PERMIT

**PERMITTEE:** MERCEDES-BENZ US INTERNATIONAL, INC.  
**FACILITY NAME:**  
**FACILITY NO.:** 413-0034  
**LOCATION:** VANCE, ALABAMA

*In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.*

*Pursuant to the Clean Air Act of 1990, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the Clean Air Act of 1990 are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

**Issuance Date:** APRIL 2, 2022  
**Expiration Date:** APRIL 1, 2027

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Alabama Department of Environmental Management

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## General Permit Provisos

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<p><b>1. <u>Transfer</u></b></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)5.</p>	Rule 335-3-16-.02(6)
<p><b>2. <u>Renewals</u></b></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p>	Rule 335-3-16-.12(2)
<p><b>3. <u>Severability Clause</u></b></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p>	Rule 335-3-16-.05(e)
<p><b>4. <u>Compliance</u></b></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance</p>	Rule 335-3-16-.05(f)  Rule 335-3-16-.05(g)

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<p>with conditions of this permit would have required halting or reducing the permitted activity.</p>	
<p><b>5. <u>Termination for Cause</u></b></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	Rule 335-3-16-.05(h)
<p><b>6. <u>Property Rights</u></b></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	Rule 335-3-16-.05(i)
<p><b>7. <u>Submission of Information</u></b></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p>	Rule 335-3-16-.05(j)
<p><b>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></b></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	Rule 335-3-16-.05(k)
<p><b>9. <u>Certification of Truth, Accuracy, and Completeness:</u></b></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate</p>	Rule 335-3-16-.07(a)

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<p>and complete.</p> <p><b>10. <u>Inspection and Entry</u></b></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"><li>(a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;</li><li>(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;</li><li>(c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</li><li>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</li></ul> <p><b>11. <u>Compliance Provisions</u></b></p> <ul style="list-style-type: none"><li>(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</li><li>(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</li></ul> <p><b>12. <u>Compliance Certification</u></b></p> <p>A compliance certification shall be submitted annually within 60 days of the anniversary date of issuance of this permit.</p> <ul style="list-style-type: none"><li>(a) The compliance certification shall include the following:</li></ul>	<p>Rule 335-3-16-.07(b)</p> <p>Rule 335-3-16-.07(c)</p> <p>Rule 335-3-16-.07(e)</p>

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<p>(1) The identification of each term or condition of this permit that is the basis of the certification;</p> <p>(2) The compliance status;</p> <p>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);</p> <p>(4) Whether compliance has been continuous or intermittent;</p> <p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> <p style="text-align: center;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463 and to:</p> <p style="text-align: center;">Air Enforcement and TOXICS Branch EPA Region 4 61 Forsyth Street, SW Atlanta, GA 30303</p> <p><b>13. <u>Reopening for Cause</u></b></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p> <p>(b) Additional requirements (including excess</p>	

Rule 335-3-16-.13(5)

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<p>emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> <p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	
<p><b>14. <u>Additional Rules and Regulations</u></b></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>	<p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p>
<p><b>15. <u>Equipment Maintenance or Breakdown</u></b></p> <p>(a) In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <p>(1) Identification of the specific facility to be taken out of service as well as its location and permit number;</p> <p>(2) The expected length of time that the air pollution control equipment will be out of service;</p>	<p>Rule 335-3-1-.07(1), (2)</p>

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<p>(3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period;</p> <p>(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;</p> <p>(5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period.</p> <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	
<p><b>16. <u>Operation of Capture and Control Devices</u></b></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p>
<p><b>17. <u>Obnoxious Odors</u></b></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	<p>Rule 335-3-1-.08</p>
<p><b>18. <u>Fugitive Dust</u></b></p> <p>(a) Precautions shall be taken to prevent fugitive</p>	<p>Rule 335-3-4-.02</p>



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<p>dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne:</p> <ol style="list-style-type: none"><li>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic; or</li><li>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; or</li><li>(3) By paving; or</li><li>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; or</li><li>(5) By any combination of the above methods which results in the prevention of dust becoming airborne from the road surface.</li></ol>	
<p><b>19. <u>Additions and Revisions</u></b></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 and .14</p>
<p><b>20. <u>Recordkeeping Requirements</u></b></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <ol style="list-style-type: none"><li>(1) The date, place, and time of all sampling or measurements;</li><li>(2) The date analyses were performed;</li><li>(3) The company or entity that performed the analyses;</li></ol>	<p>Rule 335-3-16-.05(c)2.</p>

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<p>(4) The analytical techniques or methods used;</p> <p>(5) The results of all analyses; and</p> <p>(6) The operating conditions that existed at the time of sampling or measurement.</p> <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 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 for continuous monitoring instrumentation and copies of all reports required by the permit</p>	
<p><b>21. <u>Reporting Requirements</u></b></p>	
<p>(a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p>	<p>Rule 335-3-16-.05(c)3.</p>
<p><b>22. <u>Emission Testing Requirements</u></b></p>	
<p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the</p>	<p>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p>

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<p>Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <ul style="list-style-type: none"> <li>(a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.</li> <li>(b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning).</li> <li>(c) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.</li> <li>(d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</li> </ul> <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>Rule 335-3-1-.04</p> <p>Rule 335-3-1-.04</p>
<p><b>23. <u>Payment of Emission Fees</u></b></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.</p>	<p>Rule 335-1-7-.04</p>
<p><b>24. <u>Other Reporting and Testing Requirements</u></b></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission</p>	<p>Rule 335-3-1-.04(1)</p>

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<p>testing at any time.</p>	
<p><b>25. <u>Title VI Requirements (Refrigerants)</u></b></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p>	335-3-16-.05(a)
<p><b>26. <u>Chemical Accidental Prevention Provisions</u></b></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or,</p> <p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.</p>	40 CFR Part 68
<p><b>27. <u>Display of Permit</u></b></p> <p>This permit shall be kept under file or on display at all</p>	Rule 335-3-14-.01(1)(d)

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<p>times at the site where the facility for which the permit is issued is located and will be made readily available for inspection by any or all persons who may request to see it.</p>	
<p><b>28. <u>Circumvention</u></b></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>	Rule 335-3-1-.10
<p><b>29. <u>Visible Emissions</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p>	Rule 335-3-4-.01(1)
<p><b>30. <u>Fuel-Burning Equipment</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.</p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.</p>	Rule 335-3-4-.03 Rule 335-3-5-.01
<p><b>31. <u>Process Industries – General</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.</p>	Rule 335-3-4-.04
<p><b>32. <u>Averaging Time for Emission Limits</u></b></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the</p>	Rule 335-3-1-.05

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<p>nominal time required by the specific test method.</p> <p><b>33. <u>Permit Shield</u></b></p> <p>A permit shield exists under this operating permit in accordance with ADEM Administrative Code R. 335-3-16-.10 in that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance. The permit shield is based on the accuracy of the information supplied in Section 6 of the application for this permit. Under this shield, it has been determined that requirements listed as non-applicable in Section 6 of the application are not applicable to this source.</p>	<p>Rule 335-3-16-.10</p>

## Operating Permit Summary No. 02

**Emission Unit(s):** TWO 12,000 GALLON GASOLINE STORAGE TANKS WITH STAGE I VAPOR RECOVERY CONTROL SYSTEM (V2 AND V3)

**Designation No(s). in Application:**  
**Description:** MISCELLANEOUS STORAGE TANKS

**Permitted Operating Schedule:** 24 hr/day x 365 days/yr. = 8760 hr/yr.

**Type and quantity of fuel used:**

Primary: None

Secondary: None

**Pollutants Emitted:**

Pollutant	Regulatory Emission Limit	Applicable Standard
VOCs	EMISSIONS VENTED TO A STAGE I VAPOR RECOVERY SYSTEM & EQUIPPED WITH SUBMERGED FILL PIPE	BACT-PSD

## Unit Specific Provisos

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<i>Section 1--Applicability</i>	
1. This source is subject to a PSD-BACT limitation.	ADEM Admin. Code R. 335-3-14-.04
<i>Section 2--Emission Standards</i>	
1. A properly maintained Stage I vapor recovery system must be operated on these storage tanks.	ADEM Admin. Code R. 335-3-14-.04
<i>Section 3--Compliance and Performance Test Methods and Procedures</i>	
1. NONE	
<i>Section 4--Emission Monitoring</i>	
1. The monitoring requirements in this permit shall be as required in Section 5--Recordkeeping and Reporting Requirements.	
<i>Section 5--Recordkeeping and Reporting Requirements</i>	
1. These storage tanks shall store gasoline only. Records will be kept showing the contents of each storage tank. These will be available for inspection.	ADEM Admin. Code R. 335-3-1-.04



## Operating Permit Summary No. 3

**Emission Unit(s):**

**97.9 MMBTU/HR NATURAL GAS FIRED BOILER**  
Boiler No. 801A

**Designation No(s). in Application:**  
**Description:**

**97.9 MMBTU/HR NATURAL GAS FIRED BOILER**

**Permitted Operating Schedule:**

24 hr/day x 365 days/yr. = 8760 hr/yr.

**Type and quantity of fuel used:**

Primary: NATURAL GAS  
Secondary: NONE

**Pollutants Emitted:**

Pollutant	Regulatory Emission Limit	Applicable Standard
Opacity	10% as determined by a 6 minute average	Chapter 14
NOx	Recordkeeping	NSPS
NOx	Work practices	NESHAPS

## Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<i>Section 1--Applicability</i>	
1. This unit is subject to the opacity emission rate limits.	ADEM Admin. Code R. 335-3-4-.01
2. This unit is subject the Standards of performance for New Stationary Sources; Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60, Subpart D <sub>c</sub> .	ADEM Admin. Code R. 335-3-10-.02
3. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-11-.06 (107), "National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Hazardous Air Pollutant (HAP) Emissions from Industrial, Commercial, and Institutional Boilers and Process Heaters (DDDDD) as an "New Source".	ADEM Admin. Code R. 335-3-11-.06
<i>Section 2--Emission Standards</i>	
1. The stack(s) associated with this unit shall not exhibit greater than 10% opacity measured in accordance with 40 CFR Part 60, Appendix A, Method 9 per ADEM Administrative Code 335-3-4-.01(1). If opacity of 5% or greater is observed from a stack, the operator shall investigate the cause and make any necessary corrective actions.	ADEM Admin. Code R. 335-3-14
2. Only Natural Gas will be used as a fuel for this unit.	ADEM Admin. Code R. 335-3-1-.04
3. As a new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater, the Permittee will conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. This tune-up shall be conducted as a work practice for all regulated emissions under this subpart.	ADEM Admin. Code R. 335-3-11-.06
<i>Section 3--Compliance and Performance Test Methods and Procedures</i>	
1. Method 9 as defined in 40 CFR 60, Appendix A shall be used in the determination of the opacity of the stack emissions.	ADEM Admin. Code R. 335-3-1-.05

*Section 4--Emission Monitoring*

1. NONE

*Section 5--Recordkeeping and Reporting Requirements*

1. Accurate and understandable records of compliance with New Source Performance Standards for Small Industrial-Commercial-International Steam Generating Units (Dc) in 40 CFR Part 60 which record at least five years of data will be maintained in a permanent form suitable for inspection and be available immediately upon request.
2. Accurate and understandable records of compliance with National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters (Subpart DDDDD) which record at least five years of data will be maintained in a permanent form suitable for inspection and be available immediately upon request.

ADEM Admin. Code R.  
335-3-10-.02

ADEM Admin. Code R.  
335-3-11-.06(81)

## Operating Permit Summary No. 010

**Emission Unit(s):**

**MOTOR VEHICLE ASSEMBLY PLANT**

**Designation No(s). in Application:**

**Description:**

**MOTOR VEHICLE ASSEMBLY PLANT NO. 2 WITH VENTURI SCRUBBERS, FOUR INCINERATORS WITH COMMON EXHAUST (RTO#3-1,2,3,4), AND LOW NOX BURNERS**

**Permitted Operating Schedule:**

24 hr/day x 365 days/yr. = 8760 hr/yr.

**Type and quantity of fuel used:**

Primary: NATURAL GAS

Secondary: None

**Pollutants Emitted:**

Pollutant	Regulatory Emission Limit	Applicable Standard
VOCs	640.0 TONS OF VOCS PER ROLLING 12 MONTH PERIOD	PSD-BACT
VOCs	EMISSIONS VENTED TO 95% EFFICIENT CONTROL DEVICES/ 90% EFFICIENT CONTROL DEVICES AND OTHER LIMITS	PSD-BACT
VOCs	VARIOUS VOC LIMITS	NSPS
HAPs	VARIOUS HAP LIMITS	MACT
HAPs	0.60 LB/GAL COATING SOLIDS DEPOSITED INCLUDING E-COAT	MACT-III
PM	.0007-.0021 GR./ACF	PSD-BACT
Opacity	10% as determined by a 6 minute average	CHAPTER 14
NOX	.10 LBS./ MMBTU OF HEAT INPUT	PSD-BACT

## Unit Specific Provisos

Federally Enforceable Provisos	Regulations								
<i>Section 1--Applicability</i>									
1. This source is subject to PSD-BACT emission limitations.	ADEM Admin. Code R. 335-3-14-.04								
2. This source is subject to the New Source Performance Standards (NSPS) as defined in 40 CFR 60, Subpart MM and the General Provisions in Subpart A.	ADEM Admin. Code R. 335-3-10-.02(39)								
3. This unit is subject to the opacity emission rate limits.	ADEM Admin. Code R. 335-3-4-.01								
4. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-11-.06 (86), "National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Hazardous Air Pollutant (HAP) Emissions from Surface Coating of Automobiles and Light-Duty Trucks as an "Existing Source".	ADEM Admin. Code R. 335-3-11-.06(86)								
<i>Section 2--Emission Standards</i>									
1. Emission of Volatile Organic Compounds (VOCs) from this unit from all surface coating operations including, but not limited to coating, storage, cleanup, etc., shall not exceed 640.0 tons per year (TPY) in any consecutive rolling 12-month period.	ADEM Admin. Code R. 335-3-14-.04(8)								
2. This source is subject to the applicable emissions standards of New Source Performance Standards (NSPS) as defined in 40 CFR 60, Subpart MM §60.392 to include §60.392 (a), (b), and (c) on a calendar monthly average.	ADEM Admin. Code R. 335-3-10-.02(39)								
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"><b>OPERATION</b></th> <th style="text-align: right; border-bottom: 1px solid black;"><b>VOC EMISSION LIMIT lb./gal ACS</b></th> </tr> </thead> <tbody> <tr> <td style="padding-top: 10px;">Primecoat: E-coat</td> <td style="text-align: right; padding-top: 10px;">1.34</td> </tr> <tr> <td style="padding-top: 10px;">Guidecoat: Primer/Surfacer and Sealer / Deadener</td> <td style="text-align: right; padding-top: 10px;">11.68</td> </tr> <tr> <td style="padding-top: 10px;">Topcoat: Topcoat &amp; Clearcoat</td> <td style="text-align: right; padding-top: 10px;">12.27</td> </tr> </tbody> </table>	<b>OPERATION</b>	<b>VOC EMISSION LIMIT lb./gal ACS</b>	Primecoat: E-coat	1.34	Guidecoat: Primer/Surfacer and Sealer / Deadener	11.68	Topcoat: Topcoat & Clearcoat	12.27	
<b>OPERATION</b>	<b>VOC EMISSION LIMIT lb./gal ACS</b>								
Primecoat: E-coat	1.34								
Guidecoat: Primer/Surfacer and Sealer / Deadener	11.68								
Topcoat: Topcoat & Clearcoat	12.27								
3. This source is subject to the BACT limits below:	ADEM Admin. Code R.								



6. This source is subject to the BACT limits below:

<b>OPERATION</b>	<b>NO<sub>x</sub> BACT</b>
<b>Lb./MMBtu of heat input</b>	

ADEM Admin. Code R.  
335-3-14-.04(8)

E-Coat Ovens	0.10
Sealer / Deadener Ovens	0.10
Primer/Surfacer Ovens	0.10
Topcoat/Clearcoat Ovens	0.10
Primecoat Booth Air Supply Houses	0.10
Topcoat Booth Air Supply Houses	0.10
Touchup Air Supply Houses	0.10
Blackout/Cavity Wax Air Supply Houses	0.10

Incinerator RTO No. 3-1, 3-2	3.6 pounds/hour
Incinerator RTO No. 3-3	3.6 pounds/hour

7. This source is subject to the BACT limits below:

<b>OPERATION</b>	<b>CO BACT</b>
<b>Lb./MMBtu of heat input</b>	

ADEM Admin. Code R.  
335-3-14-.04(8)

Incinerator RTO No. 3-1, 3-2	5.0 pounds/hour
Incinerator RTO No. 3-3	5.0 pounds/hour

8. Only natural gas may be used as fuel in the combustion equipment with the exception of the diesel fueled emergency generator(s) and gasoline engines.

ADEM Admin. Code R.  
335-3-14-.04(8)

9. This source is subject to the BACT requirements below:

ADEM Admin. Code R.  
335-3-14-.04(8)

Low NO<sub>x</sub> burners shall be installed, maintained, and operated on the following sources:

- (a) E-Coat Ovens,
- (b) Sealer / Deadener Ovens,
- (c) Primer/Surfacer Ovens,
- (d) Topcoat/Clearcoat Ovens,

- (e) Primecoat Booth Air Supply Houses,
  - (f) Topcoat Booth Air Supply Houses,
  - (g) Touchup Air Supply Houses ,
  - (h) Blackout/Cavity Wax Air Supply Houses,
  - (i) Incinerator RTO No. 3-1, 3-2, and
  - (j) Incinerator RTO No. 3-3.
10. The following sources shall be captured and directed to RTO No. 3-1 and 3-2, 3-3, and 3-4: Clearcoat Automatic Zones and Clearcoat Oven, E-coat Oven, Sealer/Deadener Oven, Primer/Surfacer Oven, and Primer/Surfacer Flash-off. ADEM Admin. Code R.  
335-3-14-.04(8)
  11. The clearcoat automatic zone and oven exhaust incinerators, E-coat oven, sealer oven, primer/surfacer oven, and primer/surfacer flash-off exhaust incinerator RTOs 3-1, 3-2, 3-3, and 3-4 shall be operated at or above the temperature (3-run arithmetic average) at which compliance is demonstrated during the initial performance test, or subsequent tests which demonstrate compliance. If future testing is required by ADEM, a new setpoint temperature may be established. ADEM Admin. Code R.  
335-3-14-.04(8)
  12. Particulate emissions from the venturi scrubbers shall not exceed 0.0015 gr./acf. ADEM Admin. Code R.  
335-3-14-.04(8)
  13. A Stage II vapor control system or On Board Vapor Recovery system shall be installed and used during filling of the gas tank for each vehicle. ADEM Admin. Code R.  
335-3-14-.04(8)



14. This source will comply with the National Emission Standards for the Surface Coating of Automobiles and Light Duty Trucks (III) as an existing source:

ADEM Admin. Code R.  
335-3-11-.06(86)

This source is subject to the applicable emissions standards of 40 CFR Part 63 Subpart III §63.3091. This Automobile and Light Duty Truck manufacturing line is presently showing compliance using the standard to include §63.3091(a),(c), and (d) and §63.3093 among other requirements. This regulation requires this source to limit HAP emitted from the line as follows among other requirements.

Combined organic HAP emissions to the atmosphere from electrodeposition, primer-surfacer, topcoat, final repair, glass bonding primer and glass bonding adhesive operations plus all coatings and thinners, except for deadener materials and for adhesive and sealer materials that are not components of glass bonding systems, application shall not exceed 0.60 pound (lb)/gallon (gal) of coating solids deposited during each month.

Average organic HAP emissions from all adhesive and sealer materials other than materials used as components of glass bonding systems shall not exceed 0.010 lb./lb. of adhesive and sealer material used during each month.

Average organic HAP emissions from all deadener materials shall not exceed 0.010 lb./lb. of deadener material used during each month.

The facility shall implement a work practice plan to minimize 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 emission limits are established as listed in §63.3094.

15. The stack(s) associated with this (these) source(s) shall not exhibit greater than 10% opacity measured in accordance with 40 CFR Part 60, Appendix A, Method 9 per ADEM Administrative Code 335-3-4-.01(1). If opacity of 5% or greater is observed from a stack, the operator shall investigate the cause and make any necessary corrective actions.

ADEM Admin. Code R.  
335-3-14

16. Mercedes shall utilize good work practices that are practically and economically feasible that reasonably minimize clean-up/purge/general solvent usage in all operations. Coatings, solvents, and other VOC containing material will be handled in such a way as to minimize VOC emissions from storage, handling, coating, and cleanup. Closed containers shall be used for the storage and disposal of cloth or other material used for VOC containing material cleanup or usage. Coatings and other fresh or spent VOC coating material will be stored in closed containers.

ADEM Admin. Code R.  
335-3-14

17. The emissions from the E-coat Oven No. 2 and Sealer Oven No. 3 shall be captured and directed to their respective Integrated Oxidizers. These sources are subject to the limits below:

ADEM Admin. Code R.  
335-3-14-.04(8)

<b>OPERATION</b>	<b>VOC LIMIT</b>
Integrated Oxidizer E-coat Oven No. 2:	90.0% Removal Efficiency
Integrated Oxidizer Sealer Oven No. 3:	90.0% Removal Efficiency

*Section 3--Compliance and Performance Test Methods and Procedures*

1. The HAPs content by weight of each HAPs containing material used shall be determined using EPA Test Method 311, as defined in 40 CFR 63, Appendix A, or an alternative method approved in advance. Vendor data based on this method is an appropriate substitute.

ADEM Admin. Code R.  
335-3-11-.06(35)

- |    |   |   |
|----|---|---|
| 2. | The VOC content by weight of each VOC containing material used shall be determined using EPA Test Method 24, as defined in 40 CFR 60, Appendix A, or an alternative method approved in advance. Equivalent vendor data based on this method is an appropriate substitute.   | ADEM Admin. Code R.<br>335-3-1-.04      |
| 3. | EPA document " <i>Protocol for Determining Daily VOC Emission Rate of Automobile and Light Duty Truck Topcoat Operations</i> ", June 10, 1988, and revisions thereafter, shall be used to determine transfer efficiencies, booth/oven splits, and control efficiencies for compliance with the VOC BACT Determinations. The transfer efficiencies listed in 40 CFR 60, Subpart MM or approved by the Administrator, shall be used to determine compliance with the NSPS limits in Special Proviso Number 2.2 of this chapter of the permit. | ADEM Admin. Code R.<br>335-3-1-.04      |
| 4. | Method 5 or 5a as defined in 40 CFR 60, Appendix A shall be used in the determination of particulate emissions from the stack.  | ADEM Admin. Code R.<br>335-3-1-.05      |
| 5. | Method 7 or 7E as defined in 40 CFR 60, Appendix A shall be used in the determination of Nitrogen oxides emissions from the stack.  | ADEM Admin. Code R.<br>335-3-1-.05      |
| 6. | Method 9 as defined in 40 CFR 60, Appendix A shall be used in the determination of the opacity of the stack emissions.  | ADEM Admin. Code R.<br>335-3-1-.05      |
| 7. | Method 18 or 25 or 25A, as determined by the Department, as defined in 40 CFR 60, Appendix A shall be used in the determination of Volatile Organic Compound emissions from the stack.  | ADEM Admin. Code R.<br>335-3-1-.05      |
| 8. | This source shall comply with the compliance and monitoring requirements set forth in 40 CFR §63.3168(a), (b), (c), and (g).  | ADEM Admin. Code R.<br>335-3-11-.06(86) |
| 9. | This source shall comply with the performance test methods and procedures requirements set forth in 40 CFR §63.3151(a) - (e), §63.3152(a) - (b), §63.3160(b) - (c), §63.3161(a) - (p), §63.3163(a) - (h), §63.3164(a) - (b), §63.3165, §63.3166, §63.3167(a) and (f), §63.3171, and §63.3173(a) - (b).  | ADEM Admin. Code R.<br>335-3-11-.06(86) |

*Section 4--Emission Monitoring*

1. The monitoring requirements in this permit shall be as required in Section 5--Recordkeeping and Reporting Requirements in addition to those listed below.
  
2. Emissions tests to demonstrate removal and destruction efficiency for the RTOs and Integrated Oxidizers on E-Coat Oven No. 2 and Sealer Oven No. 3 (for RTO Nos. 3-1, 3-2, 3-3, and 3-4 using the EPA Protocol specified in proviso number 3.3), transfer efficiencies, booth/oven splits, coatings content are to be conducted for VOCs at intervals not to exceed 3 years or if a significant model change occurs (as determined by the Department) following the date of initial compliance testing. All test reports must be submitted to the Department within 30 days of completion of testing. Emission tests are to be conducted by persons familiar with and using the EPA Sampling Train and Test Procedure as described in the Code of Federal Regulations, Title 40, Part 60, Method 18 or 25 or 25A, and 24 as required by the Department.
  
3. Continuous recorders for the exhaust incinerators RTO Nos. 3-1, 3-2, 3-3, and 3-4 and Integrated Oxidizers on E-Coat Oven No. 2 and Sealer Oven No. 3 shall be installed, calibrated, and maintained to record the combustion temperature in a permanent form suitable for inspection upon request. The records shall be retained for at least five years following the date of such measurement.
  
4. For the purpose of indicating compliance with its particulate limits, the amperage for the liquor pumps and exhaust air fans for the venturi scrubbers shall be recorded daily, as surrogate parameters for pressure drop. Readings must be maintained in the range of manufacturer's suggested ranges for proper operation for this design. Records shall be recorded in a permanent form suitable for inspection upon request and retained for at least five years following the date of such measurement.

ADEM Admin. Code R.  
335-3-1-.04

ADEM Admin. Code R.  
335-3-14-.04(8)

ADEM Admin. Code R.  
335-3-14-.04(8)

5. This source shall comply with the compliance and monitoring requirements set forth in 40 CFR §63.3168(a), (b), (c) and (g)

ADEM Admin. Code R.  
335-3-11-.06(86)

*Section 5--Recordkeeping and Reporting Requirements*

1. Accurate and understandable records of consumption of VOCs, which record at least the last five years of data, will be maintained in a permanent form suitable for inspection and be available immediately upon request. This facility shall provide a copy of records and supporting background documents upon request that pertain to this air permit. These records shall contain the following information:
- (a) The type, quantity in gallons, and weight in pounds of each VOC or VHAP containing material used during each calendar month.
  - (b) The percent by weight of VOCs, water, solids, VHAPs, and exempt VOC compounds content of each VOC containing material used each calendar month.
  - (c) The percent by volume of VOCs, water, solids, VHAPs, and exempt VOC compounds content of each VOC containing material used each calendar month.
  - (d) Compliance with VOC and VHAP limits shall be based upon monthly material use inventories and demonstrated destruction efficiency of the RTOs. Emissions may be adjusted for VOC and VHAP content of material removed from the plant as waste or returns if the record keeping and details surrounding the materials are approved in advance.
  - (e) Complete inventories of the VOC and VHAP containing materials (their usage, VOC content and VHAP content) shall be made at the end of each calendar month.
  - (f) The amount of VOCs emitted per calendar month from the coating and cleaning operations in units

ADEM Admin. Code R.  
335-3-1-.04

of pounds and tons.

- (g) The rolling 12-month total of VOCs emitted from the coating and cleaning operations in units of pounds and tons.
- (h) A report summarizing the above information shall be submitted each calendar quarter by the 30th day of the month following the end of the quarter, in a format approved by the Department in advance.
- (i) By the last day of the month following the end of each month, compliance with all provisos in this permit will be determined. These records will be maintained for 5 years. Should this facility, at any time, exceed the limits in this permit, the Air Division must be notified in writing within ten (10) days of the identification of the exceedance.

2. The minimum operational temperatures of the combustion chambers of the RTOs and Integrated Oxidizers on E-Coat Oven No. 2 and Sealer Oven No. 3 shall be determined by test. Following testing, the temperatures corresponding to acceptable VOC destruction efficiencies shall be established as the minimum operation temperatures of the combustion chambers. These minimum operation temperatures will be calculated on a consecutive 3-hour averaging time period. For each Thermal Oxidizer, temperature readings must be normally be taken at least every five minutes. The temperature data must be instantaneously recorded on a chart or other permanent record form which shows continuous temperature readings of the combustion chamber temperature. The records must be maintained for at least five years following the data recording.

ADEM Admin. Code R.  
335-3-1-.04

3. The RTOs and Integrated Oxidizers on E-Coat Oven No. 2 and Sealer Oven No. 3 must have audible alarm or easily detectable signal which will provide a warning when the combustion chamber temperature decreases to less than the respective established minimum operational temperature. The origin and detectability of the audible or other signal shall be such that it can

ADEM Admin. Code R.  
335-3-1-.04

be readily heard or detected by the operator or another person who will immediately determine the cause and take appropriate action to correct any problem and/or record the malfunction/reason. The time, duration, cause(s), and the action(s) taken for any operating temperature less than the respective established minimum shall be recorded in a form suitable for inspection. These records shall be maintained for at least five years. For periods when the temperature is more than 50 °F below the minimum operating temperature, VOCs will be calculated as if there was no (0%) capture and destruction of VOCs in the respective thermal oxidizer.

4. A recording-type temperature measuring device shall be used to measure and record the temperature in the combustion chamber of each RTO and Integrated Oxidizer on E-Coat Oven No. 2 and Sealer Oven No. 3. The recording instrument will be located for convenient reference and be of the type which provides direct reading and recording in degrees Fahrenheit. The combustion chamber of each respective thermal oxidizer temperature will be recorded for all system operations and the recordings will be maintained in a form suitable for inspection for a period of five years.

ADEM Admin. Code R.  
335-3-1-.04

5. When any bypassing, malfunction, or nonoperation of RTO 3-1, 3-2, 3-3, and/or 3-4 and/or the Integrated Oxidizers on E-coat Oven No. 2 and/or Sealer Oven No. 3 occurs, the time, date, or duration, estimated VOC emissions, and equipment process(es) bypassed will be recorded. These records will be maintained in a form suitable for inspection for a period of five years.

ADEM Admin. Code R.  
335-3-1-.04

6. By the thirtieth of the month following each quarter, a written report for the previous three months shall be submitted to the Air Division. The report shall provide the following information for the thermal oxidizer(s), as applicable.

ADEM Admin. Code R.  
335-3-1-.04

(A) The quantity of the solvents of VOCs in the coatings applied by the coating areas.

(B) The VOCs bypassed by the Oven Exhaust RTO

Nos. 3-1, 3-2, 3-3, and/or 3-4 and/or the Integrated Oxidizers on E-coat Oven No. 2 and/or Sealer Oven No. 3.

(C) The estimated averaged destruction efficiency of the Oven Exhaust RTO Nos. 3-1, 3-2, 3-3, and/or 3-4 and/or the Integrated Oxidizers on E-coat Oven No. 2 and/or Sealer Oven No. 3.

(D) The VOCs released or exhausted into the atmosphere by RTO Nos. 3-1, 3-2, 3-3, and/or 3-4 and/or the Integrated Oxidizers on E-coat Oven No. 2 and/or Sealer Oven No. 3.

(E) The time and date of any and all periods of coatings operations where the temperature of a thermal oxidizer or integrated oxidizer is more than 50 °F, on average during a 3-hour period, below the average temperature recorded during the most recent performance test which complied with the required overall VOC emission reduction.

(F) The cumulative or total quantity of VOCs released or exhausted into the atmosphere by the machines and oxidizer control units during the applicable month and previous eleven months.

7. The company will demonstrate compliance with the VOC minimization work practices required in Proviso 2.17 for this unit by keeping a monthly checklist noting which practices were used, which were not, and the reasons why practices were not used. If alternative work practices are substituted, the checklist shall be updated accordingly. These checklists shall be retained in a permanent form, suitable for inspection, and kept for a period of at least five years.

ADEM Admin. Code R.  
335-3-14

8. This source shall comply with the recordkeeping requirements set forth in 40 CFR§63.3130(a)-(o) and §63.3131(a)-(c).

ADEM Admin. Code R.  
335-3-11-.06(86)

9. This source shall comply with the reporting requirements set forth in 40 CFR §63.3120(a)-(c).

ADEM Admin. Code R.  
335-3-11-.06(86)



## Operating Permit Summary No. 011

**Emission Unit(s):**

**1-33.5 MMBTU/HR NATURAL GAS FIRED BOILER**  
Boiler No. 803

**Designation No(s). in Application:**

**Description:**

**1-33.5 MMBTU/HR NATURAL GAS FIRED BOILER**

**Permitted Operating Schedule:**

24 hr/day x 365 days/yr. = 8760 hr/yr.

**Type and quantity of fuel used:**

Primary: NATURAL GAS

Secondary: NONE

**Pollutants Emitted:**

Pollutant	Regulatory Emission Limit	Applicable Standard
Opacity	10% as determined by a 6 minute average	CHAPTER 14
NOx		NSPS
NOx		NESHAPS
NOx	.04 pounds per MMBtu heat input or 1.35 lbs./hr	PSD-BACT
CO	.165 pounds per MMBtu heat input or 5.60 lbs./hr	PSD-BACT
PM	.0080 pounds per MMBtu heat input or 0.27 lbs./hr	PSD-BACT

## Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<i>Section 1--Applicability</i>	
1. This unit is subject to the opacity emission rate limits.	ADEM Admin. Code R. 335-3-4-.01
2. This unit is subject the Standards of performance for New Stationary Sources; Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60, Subpart Dc.	ADEM Admin. Code R. 335-3-10-.02
3. This source is subject to a PSD-BACT emission limitation.	ADEM Admin. Code R. 335-3-14-.04
4. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-11-.06 (107), "National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Hazardous Air Pollutant (HAP) Emissions from Industrial, Commercial, and Institutional Boilers and Process Heaters (DDDDD) as an "Existing Source".	ADEM Admin. Code R. 335-3-11-.06
<i>Section 2--Emission Standards</i>	
1. This unit shall not discharge into the atmosphere opacity greater than ten percent (10%), as determined by a six (6) minute average. If opacity of 5% or greater is observed from this unit, the operator shall investigate the cause and make any necessary corrective actions.	ADEM Admin. Code R. 335-3-14
2. Emission of NOx from this natural gas fired boiler shall not exceed either 1.35 lbs./hr or .040 lbs./MMBTU measured in accordance with 40 CFR Part 60, Appendix A, Method 7 or & 7E.	ADEM Admin. Code R. 335-3-14-.03
3. Emission of CO from the natural gas fired boiler shall not exceed 5.6 lbs./hr or 0.165 lbs./MMBTU measured in accordance with 40 CFR Part 60, Appendix A, Method 10.	ADEM Admin. Code R. 335-3-14-.03
4. Emission of PM or PM <sub>10</sub> from each natural gas fired boiler shall not exceed 0.27 lbs./hr or 0.0080 lbs./MMBTU measured in accordance with 40 CFR Part 60, Appendix A, Method 5.	ADEM Admin. Code R. 335-3-14-.03

5. This unit is limited to the use of Natural Gas only as a fuel to fire the burner. Any plans to change the type of burner fuel must receive prior approval from the Department.

ADEM Admin. Code R.  
335-3-1-.04

6. As a new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater, the Permittee will conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. This tune-up shall be conducted as a work practice for all regulated emissions under this subpart.

ADEM Admin. Code R.  
335-3-11-.06

*Section 3--Compliance and Performance Test Methods and Procedures*

1. Method 9 as defined in 40 CFR 60, Appendix A shall be used in the determination of the opacity of the stack emissions.

ADEM Admin. Code R.  
335-3-1-.05

2. Method 7 or 7E as defined in 40 CFR 60, Appendix A shall be used in the determination of Nitrogen oxides emissions from the stack.

ADEM Admin. Code R.  
335-3-1-.05

*Section 4--Emission Monitoring*

1. NONE

*Section 5--Recordkeeping and Reporting Requirements*

1. Accurate and understandable records of compliance with New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units (Dc) in 40 CFR Part 60 which record at least five years of data will be maintained in a permanent form suitable for inspection and be available immediately upon request.

ADEM Admin. Code R.  
335-3-10-.02

2. Accurate and understandable records of compliance with National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters (Subpart DDDDD) which record at least five years of data will be maintained in a permanent form suitable for inspection and be available immediately upon request.

ADEM Admin. Code R.  
335-3-11-.06

**Operating Permit Summary No. 012**

**Emission Unit(s):** 1-98 MMBTU/HR Natural Gas Fired Boiler

**Designation No(s). in Application:** Boiler No. 802A

**Description:** 1-98 MMBTU/HR Natural Gas Fired Boiler

**Permitted Operating Schedule:** 24 hr/day x 365 days/yr. = 8760 hr/yr.

**Type and quantity of fuel used:**

**Primary:** NATURAL GAS

**Secondary:** NONE

**Pollutants Emitted:**

Pollutant	Regulatory Emission Limit	Applicable Standard
Opacity	10% as determined by a 6 minute average	CHAPTER 14
NOx	Work Practice Standards	NSPS
NOx	Work Practice Standards	NESHAPS

Unit Specific Provisos

Federally Enforceable Provisos

Regulations

*Section 1--Applicability*

- |  |                                  |
|--|----------------------------------|
| 1. This unit is subject to the opacity emission rate limits.   | ADEM Admin. Code R. 335-3-4-.01  |
| 2. This unit is subject the Standards of performance for New Stationary Sources; Small Industrial-Commercial-Instituional Steam Generating Units, 40 CFR Part 60, Subpart Dc.  | ADEM Admin. Code R. 335-3-10-.02 |
| 3. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-11-.06 (107), "National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Hazardous Air Pollutant (HAP) Emissions from Industrial, Commercial, and Institutional Boilers and Process Heaters (DDDDD) as an "New Source". | ADEM Admin. Code R. 335-3-11-.06 |

*Section 2--Emission Standards*

- |  |                                  |
|--|----------------------------------|
| 1. This unit shall not discharge into the atmosphere opacity greater than ten percent (10%), as determined by a six (6) minute average. If opacity of 5% or greater is observed from this unit, the operator shall investigate the cause and make any necessary corrective actions.  | ADEM Admin. Code R. 335-3-14     |
| 2. As a new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater, the Permittee will conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. This tune-up shall be conducted as a work practice for all regulated emissions under this subpart. | ADEM Admin. Code R. 335-3-11-.06 |

*Section 3--Compliance and Performance Test Methods and Procedures*

1. NONE

*Section 4--Emission Monitoring*

1. NONE

*Section 5--Recordkeeping and Reporting Requirements*

1. Accurate and understandable records of compliance with New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units (Dc) in 40 CFR Part 60 which record at least five years of data will be maintained in a permanent form suitable for inspection and be available immediately upon request.
  
2. Accurate and understandable records of compliance with National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters (Subpart DDDDD) which record at least five years of data will be maintained in a permanent form suitable for inspection and be available immediately upon request.

ADEM Admin. Code R.  
335-3-10-.02

ADEM Admin. Code R.  
335-3-11-.06

## Operating Permit Summary No. 013

**Emission Unit(s):** 2-Abrasive Blasting Units with Dust Collector

**Designation No(s). in Application:**

**Description:** 2-Abrasive Blasting Units with Dust Collector

**Permitted Operating Schedule:** 24 hr/day x 365 days/yr. = 8760 hr/yr.

**Type and quantity of fuel used:**

Primary: None

Secondary: None

**Pollutants Emitted:**

Pollutant	Regulatory Emission Limit	Applicable Standard
Opacity	10% as determined by a 6 minute average	CHAPTER 14
PM	$E = 3.59(P^{0.62})$	Process Weight- SIP

## Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<i>Section 1--Applicability</i>	
1. This unit is subject to the opacity emission rate limits.	ADEM Admin. Code R. 335-3-4-.01
2. This unit is subject to the particulate emission rate limits for Process Industries - General sources.	ADEM Admin. Code R. 335-3-4-.04
<i>Section 2--Emission Standards</i>	
1. This unit shall not discharge into the atmosphere opacity greater than ten percent (10%), as determined by a six (6) minute average. If opacity of 5% or greater is observed from this unit, the operator shall investigate the cause and make any necessary corrective actions.	ADEM Admin. Code R. 335-3-14
2. This unit shall not discharge into the atmosphere particulate matter in any one hour in excess of :  E = 3.59(P <sup>0.62</sup> ) where P is the process weight in tons/hr	ADEM Admin. Code R. 335-3-14-.03
<i>Section 3--Compliance and Performance Test Methods and Procedures</i>	
1. Method 9 as defined in 40 CFR 60, Appendix A shall be used in the determination of the opacity of the stack emissions.	ADEM Admin. Code R. 335-3-1-.05
2. Method 5 as defined in 40 CFR 60, Appendix A shall be used in the determination of particulate emissions from the stack.	ADEM Admin. Code R. 335-3-1-.05
<i>Section 4--Emission Monitoring</i>	
1. When operating, the dust collector shall be visually observed a minimum of once weekly for greater than normal visible emissions as determined by previous observations.	ADEM Admin. Code R. 335-3-16
2. Whenever observed visible emissions are greater than normal, corrective action to minimize emissions shall	



be taken within 24 hours, followed by an additional observation to confirm that emissions are reduced to normal.

ADEM Admin. Code  
R.335-3-16

3. The dust collector shall be inspected for proper operation and cleaned at least annually and whenever observed emissions are greater than normal.

ADEM Admin. Code  
R.335-3-16

*Section 5--Recordkeeping and Reporting Requirements*

1. A record of the weekly visible observations and records of inspections and appropriate maintenance actions required in proviso 4.1 through 4.3 shall be retained for at least five years and available for inspection upon request. These records should also include the nature and date of any maintenance actions taken to correct excess opacity episodes.

ADEM Admin. Code R.  
335-3-1-.04

## Operating Permit Summary No. 020

**Emission Unit(s):**

GEN1, GEN2, GEN3, GEN4, FP1, FP2, GEN7,  
GEN8, GEN9, GEN10, GEN11, GEN12, GEN13,  
GEN14.

**Designation No(s). in Application:  
Description:**

GEN1 (465BHP, DIESEL), TRAIN CTR  
GEN2 (60BHP, NATURAL GAS),  
GEN3 (60BHP, NATURAL GAS),  
GEN4 (60BHP, NATURAL GAS),  
FP1 (460BHP, DIESEL), EAST  
FP2 (460BHP, DIESEL), WEST  
GEN7 (60BHP, NATURAL GAS),  
GEN8 (60BHP, NATURAL GAS),  
GEN9 (133BHP, NATURAL GAS),  
GEN10 (133BHP, NATURAL GAS),  
GEN11 (60BHP, NATURAL GAS),  
GEN12 (195BHP, NATURAL GAS),  
GEN13 (195BHP, NATURAL GAS),  
GEN14 (80BHP, DIESEL), DAYCARE  
GEN15 (99BHP, DIESEL), TRAILER

**Permitted Operating Schedule:**

24 hr/day x 365 days/yr. = 8760 hr/yr.

**Type and quantity of fuel used:**

Primary: NATURAL GAS & DIESEL  
Secondary: NONE

**Pollutants Emitted:**

Pollutant	Regulatory Emission Limit	Applicable Standard
Opacity	10% as determined by a 6 minute average	CHAPTER 14
HAPs	Work Practice Standards	MACT-ZZZZ

## Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<i>Section 1--Applicability</i>	
1. These units are subject to the opacity emission rate limits.	ADEM Admin. Code R. 335-3-4-.01
2. These units are subject to the applicable requirements of ADEM Admin. Code R. 335-3-11-.06 (86), "National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Hazardous Air Pollutant (HAP) Emissions from Stationary Reciprocating Internal Combustion Engines (ZZZZ) as an "Existing Source".	ADEM Admin. Code R. 335-3-11-.06(103)
<i>Section 2--Emission Standards</i>	
1. These units shall not discharge into the atmosphere opacity greater than ten percent (10%), as determined by a six (6) minute average. If opacity of 5% or greater is observed from this unit, the operator shall investigate the cause and make any necessary corrective actions.	ADEM Admin. Code R. 335-3-14
2. The Emergency stationary CI RICE unit(s) shall: <ul style="list-style-type: none"> <li>a. Change oil and filter every 500 hours of operation or annually, whichever comes first;</li> <li>b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;</li> <li>c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.</li> </ul> Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.	ADEM Admin. Code R. 335-3-11-.06(103)
3. The Emergency stationary SI RICE unit(s) shall: <ul style="list-style-type: none"> <li>a. Change oil and filter every 500 hours of operation or annually, whichever comes first;</li> <li>b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first;</li> <li>c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.</li> </ul>	ADEM Admin. Code R. 335-3-11-.06(103)

*Section 3--Compliance and Performance Test Methods and Procedures*

1. Method 9 as defined in 40 CFR 60, Appendix A shall be used in the determination of the opacity of the stack emissions.

ADEM Admin. Code R.  
335-3-1-.05

*Section 4--Emission Monitoring*

1. NONE

*Section 5--Recordkeeping and Reporting Requirements*

1. Records of engine usage must be kept in a permanent form suitable for inspection. These records should record if the usage was for emergency, maintenance checks, readiness checks, or other usage. The records shall be retained for at least five years from the date of generation and available upon request.
2. The following federal requirements apply to these unit(s).

ADEM Admin. Code R.  
335-3-11-.06(103)

ADEM Admin. Code R.  
335-3-11-.06(103)

*(f) Requirements for emergency stationary RICE.* (1) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1)(i) through (iii) of this section. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1)(i) through (iii) of this section, is prohibited.

*(i) There is no time limit on the use of emergency stationary RICE in emergency situations.*

(ii) You may operate your emergency stationary RICE for the purpose of 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. Maintenance checks and readiness testing of such units is limited to 100 hours per year. 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.

ADEM Admin. Code R.  
335-3-11-.06(103)

(iii) You may operate your emergency stationary RICE 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 power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

ADEM Admin. Code R.  
335-3-11-.06(103)

## Operating Permit Summary No. 021

**Emission Unit(s):**

FP3, GEN16, GEN17, GEN18, GEN19, GEN20.

**Designation No(s). in Application:  
Description:**

FP3 (305BHP, DIESEL), NORTH  
 GEN16 (318BHP, DIESEL) MLC BLD  
 GEN17 (122BHP, NATURAL GAS)  
 GEN18 (132BHP, NATURAL GAS)  
 GEN19 (132BHP, NATURAL GAS)  
 GEN20 (132BHP, NATURAL GAS).

**Permitted Operating Schedule:**

24 hr/day x 365 days/yr. = 8760 hr/yr.

**Type and quantity of fuel used:**

Primary: NATURAL GAS & DIESEL  
 Secondary: NONE

**Pollutants Emitted:**

Pollutant	Regulatory Emission Limit	Applicable Standard
Opacity	10% as determined by a 6 minute average	SIP
HAPs	VARIOUS MAINTENANCE REQUIREMENTS	NSPS-JJJJ NSPS-III

## Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<i>Section 1--Applicability</i>	
1. These units are subject to the opacity emission rate limits.	ADEM Admin. Code R. 335-3-4-.01
2. These units are subject to the applicable requirements of ADEM Admin. Code R. 335-3-11-.06 (86), "National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Hazardous Air Pollutant (HAP) Emissions from Stationary Reciprocating Internal Combustion Engines (ZZZZ) as a "New Source".	ADEM Admin. Code R. 335-3-11-.06(103)
3. These units (FP3 (305BHP, DIESEL), NORTH GEN16 (318BHP, DIESEL) MLC BLD) are subject to the applicable requirements of ADEM Admin. Code R. 335-3-10-.02, "New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines (III).	ADEM Admin. Code R. 335-3-10-.02
4. These units (GEN17 (122BHP, NATURAL GAS), GEN18 (132BHP, NATURAL GAS), GEN19 (132BHP, NATURAL GAS), GEN20 (132BHP, NATURAL GAS) are subject to the applicable requirements of ADEM Admin. Code R. 335-3-10-.02, "New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines (JJJJ).	ADEM Admin. Code R. 335-3-10-.02
<i>Section 2--Emission Standards</i>	
1. These units shall not discharge into the atmosphere opacity greater than ten percent (10%), as determined by a six (6) minute average. If opacity of 5% or greater is observed from this unit, the operator shall investigate the cause and make any necessary corrective actions.	ADEM Admin. Code R. 335-3-14

2. The Emergency stationary CI RICE unit(s) shall:
  - a. Change oil and filter every 500 hours of operation or annually, whichever comes first;
  - b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
  - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
 Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

ADEM Admin. Code R.  
335-3-11-.06(103)

3. The Emergency stationary SI RICE unit(s) shall:
  - a. Change oil and filter every 500 hours of operation or annually, whichever comes first;
  - b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first;
  - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

ADEM Admin. Code R.  
335-3-11-.06(103)

4. These units (FP3 (305BHP, DIESEL), NORTH GEN16 (318BHP, DIESEL) MLC BLD) are subject to the applicable requirements of ADEM Admin. Code R. 335-3-10-.02, "New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines (III).

ADEM Admin. Code R.  
335-3-10-.02

5. These units (GEN17 (122BHP, NATURAL GAS), GEN18 (132BHP, NATURAL GAS), GEN19 (132BHP, NATURAL GAS), GEN20 (132BHP, NATURAL GAS) are subject to the applicable requirements of ADEM Admin. Code R. 335-3-10-.02, "New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines (JJJJ).

ADEM Admin. Code R.  
335-3-10-.02

*Section 3--Compliance and Performance Test Methods and Procedures*

1. Method 9 as defined in 40 CFR 60, Appendix A shall be used in the determination of the opacity of the stack emissions.

ADEM Admin. Code R.  
335-3-1-.05

*Section 4--Emission Monitoring*



1. NONE

*Section 5--Recordkeeping and Reporting Requirements*

- |  |  |
|--|--|
| 1. Records of engine usage must be kept in a permanent form suitable for inspection. These records should record if the usage was for emergency, maintenance checks, readiness checks, or other usage. The records shall be retained for at least five years from the date of generation and available upon request.                 | ADEM Admin. Code R.<br>335-3-11-.06(103) |
| 2. These units (FP3 (305BHP, DIESEL), NORTH GEN16 (318BHP, DIESEL) MLC BLD) are subject to the applicable recordkeeping requirements of ADEM Admin. Code R. 335-3-10-.02, "New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines (III).   | ADEM Admin. Code R.<br>335-3-10-.02      |
| 3. These units (GEN17 (122BHP, NATURAL GAS), GEN18 (132BHP, NATURAL GAS), GEN19 (132BHP, NATURAL GAS), GEN20 (132BHP, NATURAL GAS) are subject to the applicable recordkeeping requirements of ADEM Admin. Code R. 335-3-10-.02, "New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines (JJJJ). | ADEM Admin. Code R.<br>335-3-10-.02      |
| 4. The following federal requirements apply to these unit(s).  | ADEM Admin. Code R.<br>335-3-11-.06(103) |

*(f) Requirements for emergency stationary RICE.* (1) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1)(i) through (iii) of this section. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1)(i) through (iii) of this section, is prohibited.

*(i) There is no time limit on the use of emergency stationary RICE in emergency situations.*

(ii) You may operate your emergency stationary RICE for the purpose of 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. Maintenance checks and readiness testing of such units is limited to 100 hours per year. 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.

ADEM Admin. Code R.  
335-3-11-.06(103)

(iii) You may operate your emergency stationary RICE 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 power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

ADEM Admin. Code R.  
335-3-11-.06(103)

## Operating Permit Summary No. 099

**Emission Unit(s):**

**PAL**

**Designation No(s). in Application:**

**Description:**

**PLANT-WIDE APPLICABILITY LIMIT FOR VOCS**

**Permitted Operating Schedule:**

24 hr/day x 365 days/yr. = 8760 hr/yr.

**Type and quantity of fuel used:**

Primary:

Secondary:     None

**Pollutants Emitted:**

Pollutant	Regulatory Emission Limit	Applicable Standard
VOCS	<b>859.55 TONS OF VOCS PER ROLLING 12 MONTH PERIOD</b>	PAL

## Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<i>Section 1--Applicability</i>	
1. This source is subject to PAL emission limitations.	ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)
2. Any physical change in or change in the method of operation of this facility that maintains its total source-wide emissions below the PAL level, meets the requirements in 335-3-14-.04-(23)(a) through (o), and complies with the PAL permit: (A) Is not a major modification for the PAL pollutant; (B) Does not have to be approved through the PSD program;	ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)
3. The permittee shall continue to comply with all applicable Federal or State requirements, emission limitations, and work practice requirements that were established prior to the effective date of the PAL.	ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)
4. At no time (during or after the PAL effective period) are emissions reductions of a PAL pollutant that occur during the PAL effective period creditable as decreases for purposes of offsets under Rule 335-3-14-.05 unless the level of the PAL is reduced by the amount of such emissions reductions and such reductions would be creditable in the absence of the PAL.	ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)
5. The PAL established in this permit only addresses the applicability criteria for VOCs under the state PSD Rule 335-3-14-.4. Any modifications to this source remain subject to applicable construction permit requirements in Rule 335-3-14 and the Title V operating permit modification procedures of Rule 335-3-16.13 or 335-3-16.14.	ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)
6. This PAL shall include fugitive emissions, to the extent quantifiable, from all emissions units that emit or have the potential to emit VOCs at the facility.	ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)
7. This PAL shall have a PAL effective period of 10 years from the date of issuance.	ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)
8. If the permittee applies to renew this PAL in accordance with 335-3-14-.04-(23)(j)(2), then the PAL	ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)

**Federally Enforceable Provisos**

**Regulations**

shall not expire at the end of the PAL effective period. It shall remain in effect until a revised PAL permit is issued.

- 9. Emission calculations for compliance purposes must include emissions from startups and shutdowns.

ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)

*Section 2--Emission Standards*

- 1. The annual emission limitation for this facility for this PAL shall be **859.55 Tons of VOCs** in any consecutive rolling 12 month period (Tons per Year (TPY)). This PAL shall regulate emissions of **VOCs**. For each month during the PAL effective period after the first 12 months of establishing this PAL limit, the sum of the monthly emissions from each emissions unit under the PAL for the previous 12 consecutive months shall be less than the PAL limit (a 12-month total, rolled monthly).

ADEM Admin. Code R. 335-3-14-.04(8)

*Section 3--Compliance and Performance Test Methods and Procedures*

- 1. The VOC content by weight of each VOC containing material used shall be determined using EPA Test Method 24, as defined in 40 CFR 60, Appendix A, or an alternative method approved in advance. Equivalent vendor data based on this method is an appropriate substitute.
- 2. EPA document "*Protocol for Determining Daily VOC Emission Rate of Automobile and Light Duty Truck Topcoat Operations*", June 10, 1988, and revisions thereafter, shall be used to determine transfer efficiencies, booth/oven splits, and control efficiencies for compliance with the PAL limit.
- 3. Method 18 or 25, as approved by the Department, as defined in 40 CFR 60, Appendix A shall be used in the determination of Volatile Organic Compound emissions from the stack.
- 4. Emissions tests to demonstrate removal and destruction efficiency for the control devices (for RTO Nos. 1, 2, 3-1, 3-2. and 3-3 using the EPA Protocol specified in proviso number 3-2), transfer efficiencies,

ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)

ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)

ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)

ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)

booth/oven splits, coatings content are to be conducted for VOCs at intervals not to exceed 3 years or if a significant model change occurs (as determined by the Department) following the date of initial compliance testing. All test reports must be submitted to the Department within 30 days of completion of testing. Emission tests are to be conducted by persons familiar with and using the EPA Sampling Train and Test Procedure as described in the Code of Federal Regulations, Title 40, Part 60, Method 18 or 25, and 24 as required by the Department.

*Section 4--Emission Monitoring*

1. The monitoring requirements in this permit shall be as required in Section 5--Recordkeeping and Reporting Requirements in addition to those listed below.
2. The permittee will monitor all emissions units in accordance with the provisions under 335-3-14-.04(23)(l).
3. Emissions of VOC shall be monitored by testing and/or using the results of MSDS or Certified Product Data Sheets that are based on Method 24, testing by using Method 24, RTO tested efficiencies, Booth Transfer tested efficiencies, Booth Capture tested efficiencies, or other test data approved by the Department.

ADEM Admin. Code R.  
335-3-14-.04-(23)(a)  
through (o)

ADEM Admin. Code R.  
335-3-14-.04-(23)(a)  
through (o)

*Section 5--Recordkeeping and Reporting Requirements*

ADEM Admin. Code R.  
335-3-1-.04

1. Accurate and understandable records of consumption of VOCs, which record at least the last five years of data, will be maintained in a permanent form suitable for inspection and be available immediately upon request. This facility shall provide a copy of records and supporting background documents upon request that pertain to this air permit. These records shall contain the following information:
  - (a) The type, quantity in gallons, and weight in pounds of each VOC or VHAP containing material used during each calendar month.
  - (b) The percent by weight of VOCs, water, solids, VHAPs, and exempt VOC compounds content of each VOC containing material used each calendar month.
  - (c) The percent by volume of VOCs, water, solids, VHAPs, and exempt VOC compounds content of each VOC containing material used each calendar month.
  - (d) Compliance with VOC and VHAP limits shall be based upon monthly material use inventories and demonstrated destruction efficiency of the RTOs. Emissions may be adjusted for VOC and VHAP content of material removed from the plant as waste or returns if the record keeping and details surrounding the materials are approved in advance.
  - (e) Complete inventories of the VOC and VHAP containing materials (their usage, VOC content and VHAP content) shall be made at the end of each calendar month.
  - (f) The amount of VOCs emitted per calendar month from the coating and cleaning operations in units of pounds and tons.
  - (g) The rolling 12-month total of VOCs emitted from the coating and cleaning operations in units of

pounds and tons.

(h) A report summarizing the above information shall be submitted each calendar quarter by the 30th day of the month following the end of the quarter, in a format approved by the Department in advance.

ADEM Admin. Code R.  
335-3-1-.04

(i) By the last day of the month following the end of each month, compliance with all provisos in this permit will be determined. These records will be maintained for 5 years. Should this facility, at any time, exceed the limits in this permit, the Air Division must be notified in writing within ten (10) days of the identification of the exceedance.

ADEM Admin. Code R.  
335-3-1-.04

2. The minimum operational temperatures of the combustion chambers of the thermal oxidizers for the process equipment shall be determined by test. Following testing, the temperatures corresponding to acceptable VOC destruction efficiencies shall be established as the minimum operation temperatures of the combustion chambers. These minimum operation temperatures will be calculated on a consecutive 3-hour averaging time period. For each Thermal Oxidizer, temperature readings must be normally be taken at least every five minutes. The temperature data must be instantaneously recorded on a chart or other permanent record form which shows continuous temperature readings of the combustion chamber temperature. The records must be maintained for at least five years following the data recording.

ADEM Admin. Code R.  
335-3-1-.04

3. The thermal oxidizers must have audible alarm or easily detectable signal which will provide a warning when the combustion chamber temperature decreases to less than the respective established minimum operational temperature. The origin and detectability of the audible or other signal shall be such that it can be readily heard or detected by the operator or another person who will immediately determine the cause and take appropriate action to correct any problem and/or record the malfunction/reason. The time, duration, cause(s), and the action(s) taken for any operating temperature less than the respective established

ADEM Admin. Code R.  
335-3-1-.04



minimum shall be recorded in a form suitable for inspection. These records shall be maintained for at least five years. For periods when the temperature is more than 50 °F below the minimum operating temperature, VOCs will be calculated as if there was no (0%) capture and destruction of VOCs in the respective thermal oxidizer.

4. A recording-type temperature measuring device shall be used to measure and record the temperature in the combustion chamber of each respective thermal oxidizer. The recording instrument will be located for convenient reference and be of the type which provides direct reading and recording in degrees Fahrenheit. The combustion chamber of each respective thermal oxidizer temperature will be recorded for all system operations and the recordings will be maintained in a form suitable for inspection for a period of five years. ADEM Admin. Code R. 335-3-1-.04
5. When any bypassing, malfunction, or nonoperation of RTO 3-1, 3-2, and/or 3-3 occurs, the time, date, or duration, estimated VOC emissions, and equipment process(es) bypassed will be recorded. These records will be maintained in a form suitable for inspection for a period of five years. ADEM Admin. Code R. 335-3-1-.04
6. A copy of all records necessary to determine compliance with any requirement of 335-3-14-.04-(23) and of the PAL, including a determination of each emissions unit's 12-month rolling total emissions, for 5 years from the date of such record shall be retained. ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)
7. All records required under this PAL shall be kept on site. Such records may be retained in an electronic form. Accurate and understandable records will be maintained in a form suitable for inspection and be available immediately upon request. Copies of any records or background documentation will be provided upon request. ADEM Admin. Code R. 335-3-14-.04-(23)(a) through (o)
8. A copy of the following records shall be retained for the ADEM Admin. Code R.

duration of the PAL effective period plus 5 years:

- (a) A copy of the PAL permit application and any applications for revisions to the PAL; and
- (b) Each annual certification of compliance pursuant to title V and the data relied on in certifying the compliance.

335-3-14-.04-(23)(a)  
through (o)

9. Semi-annual monitoring reports and prompt deviation reports for this PAL permit shall be submitted to the Director in accordance with the schedule and requirements of the Title V Operating Permit for this facility.

ADEM Admin. Code R.  
335-3-14-.04-(23)(a)  
through (o)

(1) The quantity of the solvents of VOCs in the coatings applied by the coating areas.

(a) The identification of the permittee and the permit number.

(b) Total annual emissions (tons/year) based on a 12-month rolling total for each month in the reporting period recorded pursuant to 335-3-14-.04-(23)(m)1.

(c) All data relied upon, including, but not limited to, any Quality Assurance or Quality Control data, in calculating the monthly and annual PAL pollutant emissions.

(d) A list of any emissions units modified or added to the facility during the preceding 6-month period.

(e) The number, duration, and cause of any deviations or monitoring malfunctions (other than the time associated with zero and span calibration checks), and any corrective action taken.

(f) A notification of a shutdown of any monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, and whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by method included in the permit, as provided by 335-3-14-.04-(23)(l)7.

(g) A signed statement by a responsible official (as defined in 335-3-16) certifying the truth, accuracy, and completeness of the information provided in the report.

(2) Deviation report. The permittee shall promptly

submit reports of any deviations or exceedance of the PAL requirements, including periods where no monitoring is available. A report submitted pursuant to 335-3-16-.05(c)3.(ii) shall satisfy this reporting requirement. The reports shall contain the following information:

- (a) The identification of the permittee and the permit number;
  - (b) The PAL requirement that experienced the deviation or that was exceeded;
  - (c) Emissions resulting from the deviation or the exceedance; and
  - (d) A signed statement by a responsible official (as defined in 335-3-16) certifying the truth, accuracy, and completeness of the information provided in the report.
- (3) Re-validation results. The permittee shall submit to the Director the results of any re-validation test or method within 3 months after completion of such test or method.