

ADEM

ALABAMA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT



MAJOR SOURCE OPERATING PERMIT

Permittee: **HYUNDAI MOTOR MANUFACTURING ALABAMA, LLC (HMMA)**

Facility No.: 209-0090

Location: MONTGOMERY, 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: *FEBRUARY 4, 2024*

Expiration Date: *FEBRUARY 3, 2029*

Alabama Department of Environmental Management

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General Permit Provisos

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<p>1. <u>Transfer</u> 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>2. <u>Renewals</u> 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. 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>3. <u>Severability Clause</u> 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>4. <u>Compliance</u></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>	<p>Rule 335-3-16-.05(f)</p> <p>Rule 335-3-16-.05(g)</p>

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<p style="padding-left: 40px;">with conditions of this permit would have required halting or reducing the permitted activity.</p>	
<p>5. <u>Termination for Cause</u> 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>6. <u>Property Rights</u> 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>7. <u>Submission of Information</u> 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>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u> 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>9. <u>Certification of Truth, Accuracy, and Completeness:</u> 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 and complete.</p>	Rule 335-3-16-.07(a)
<p>10. <u>Inspection and Entry</u> Upon presentation of credentials and other documents</p>	Rule 335-3-16-.07(b)

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<p>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"> (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; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (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; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. 	
<p>11. <u>Compliance Provisions</u></p> <ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. 	<p>Rule 335-3-16-.07(c)</p>
<p>12. <u>Compliance Certification</u></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"> (a) The compliance certification shall include the following: <ul style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; (2) The compliance status; (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>Rule 335-3-16-.07(e)</p>

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<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>13. <u>Reopening for Cause</u> 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 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</p>	<p style="text-align: center;">Rule 335-3-16-.13(5)</p>

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<p style="text-align: center;">assure compliance with the applicable requirements.</p> <p>14. <u>Additional Rules and Regulations</u> 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>15. <u>Equipment Maintenance or Breakdown</u></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> <ol style="list-style-type: none"> (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period. <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</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p> <p>Rule 335-3-1-.07(1), (2)</p>

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<p style="padding-left: 40px;">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>16. <u>Operation of Capture and Control Devices</u> 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), Code of Alabama 1975, as amended</p>
<p>17. <u>Obnoxious Odors</u> 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>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive 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. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <p>(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;</p> <p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;</p> <p>(3) By paving;</p> <p>(4) By the application of binders to the road surface at any time the road surface is</p>	<p>Rule 335-3-4-.02</p>

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<p style="text-align: center;">found to allow the creation of dust emissions;</p> <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.</p>	
<p>19. <u>Additions and Revisions</u> 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>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <ol style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. <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>Rule 335-3-16-.05(c)2.</p>
<p>21. <u>Reporting Requirements</u></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-</p>	<p>Rule 335-3-16-.05(c)3.</p>

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<p>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>22. <u>Emission Testing Requirements</u></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 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>	<p>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p>
<p>(1) 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.</p> <p>(2) 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).</p> <p>(3) 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.</p> <p>(4) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p>	<p>Rule 335-3-1-.04</p>

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<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>	Rule 335-3-1-.04
<p>23. <u>Payment of Emission Fees</u></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>	Rule 335-1-7-.04
<p>24. <u>Other Reporting and Testing Requirements</u></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 testing at any time.</p>	Rule 335-3-1-.04(1)
<p>25. <u>Title VI Requirements (Refrigerants)</u></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>	40 CFR Part 82
<p>26. <u>Chemical Accidental Prevention Provisions</u></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>	40 CFR Part 68

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<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>	
<p>27. <u>Display of Permit</u> This permit shall be kept under file or on display at all 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>	Rule 335-3-14-.01(1)(d)
<p>28. <u>Circumvention</u> 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>29. <u>Visible Emissions</u> 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>30. <u>Fuel-Burning Equipment</u></p> <p>(a) 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>(b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning</p>	<p>Rule 335-3-4-.03</p> <p>Rule 335-3-5-.01</p>

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equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.	
31. <u>Process Industries - General</u> 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.	Rule 335-3-4-.04
32. <u>Averaging Time for Emission Limits</u> Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.	Rule 335-3-1-.05

Operating Permit Summary No. 1.

Emission Unit(s):

**MOTOR VEHICLE ASSEMBLY PLANT WITH
WATER CURTAINS, RTO, AND LOW NOX
BURNERS**

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

001

**MOTOR VEHICLE ASSEMBLY PLANT WITH
WATER CURTAINS, RTO, 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

Pollutants Emitted:

Pollutant	Regulatory Emission Limit	Applicable Standard
VOCs	420,000 VEHICLES PER ROLLING 12 MONTH PERIOD	PSD-BACT
VOCs	EMISSIONS VENTED TO A 95% EFFICIENT CONTROL DEVICE AND OTHER LIMITS	PSD-BACT
VOCs	VARIOUS PAINT VOC LIMITS	PSD-BACT
VOCs	NSPS	NSPS
HAPs	VARIOUS PAINT HAP LIMITS	MACT & 112(G)
PM	VARIOUS PM LIMITS	PSD-BACT
Opacity	10% as determined by a 6 minute average	PSD-BACT
NOX	VARIOUS NOX LIMITS	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 National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Hazardous Air Pollutant (HAP) Emissions from Surface Coating of Automobiles and Light-Duty Trucks Operations as a "New Source".	ADEM Admin. Code R. 335-3-11-.06(86)
5. This source is subject to 112g emission limitations.	ADEM Admin. Code R. 335-3-14-.06
<i>Section 2--Emission Standards</i>	
1. The number of completed vehicles produced at this facility shall not exceed 420,000 vehicles in any consecutive 12-month period. This is the basis of the calculations contained in the PSD permit for this source.	ADEM Admin. Code R. 335-3-14-.04(8)
2. Emission of Volatile Organic Compounds (VOCs) from this facility from all clean up/purge/flushing solvents shall not exceed 150.0 tons per year (TPY) in any consecutive rolling 12-month period.	ADEM Admin. Code R. 335-3-14-.04(8)
3. Emission of Hazardous Air Pollutants (HAPs) from this facility shall not exceed 13.0 TPY for Miscellaneous Assembly Materials and 36.0 TPY for Clean up/Purge/Flushing Solvents in any consecutive rolling 12-month period.	ADEM Admin. Code R. 335-3-14-.04(8)
4. 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)
OPERATION	VOC EMISSION LIMIT

	lb./gal ACS
Primecoat: E-coat (EC1 – EC6)	1.34
Guidecoat: Primer/Surfacer (PS1 - PS18) and Sealer/Deadener (US1 - US6)	11.68
Topcoat: Basecoat & Clearcoat (TC1 - TC18)	12.27

5. This source is subject to the BACT limits below:
- | OPERATION | MONTHLY VOC
EMISSION LIMIT
lb./gal ACS |
|------------------|---|
|------------------|---|

Electrodeposition Coating Line (EC1-EC6)	.13
Primer/Surfacer Coating Line (PS1-PS8)	4.10
Topcoat Coating Line (TC1-TC18) Basecoat Line (2); Clearcoat Line (2)	5.20
Rocker Panel Prime Coating Line (RP1)	2.39

OPERATION	VOC EMISSION LIMIT lb./gal MAXIMUM, as applied
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Sealer/Deadener Coating Line (US1-US6)	0.30
Blackout/Extra Work Booth (BO1)	1.00
Cavity Wax Booth (WB1)	1.20

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

Low NOx burners shall be installed, maintained, and operated on the following sources:

OPERATION	VOC BACT
Oven Exhaust RTO-1	95% Destruction Efficiency

The Oven Exhaust RTO-1 shall not emit greater than 5.94 lb./hour of CO as measured in accordance with

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

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

40 CFR Part 60, Appendix A, Method 10 if required to test by the Department (3-hour arithmetic average).

The Oven Exhaust RTO-1 shall not emit greater than 6.68 pounds/hour of NO_x increase from the inlet of the RTO to the outlet of the RTO corrected to inlet O₂ concentration (No Dilution Air) as measured in accordance with 40 CFR Part 60, Appendix A, Method 7, 7E, or other method as determined by the Department if required to test by the Department (3-hour arithmetic average).

The Oven Exhaust RTO-1 shall not emit greater than 0.00130 gr/acf of PM as measured in accordance with 40 CFR Part 60, Appendix A, Method 5 or other method as determined by the Department if required to test by the Department (3-hour arithmetic average).

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

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

OPERATION	PARTICULATE BACT gr./acf
Sealer/Deadener / Coating Line (US-1)	0.0015
Rocker Panel Prime Coating Line (US-3)	0.0015
Off Line Heavy Metal and Moist Sand Repair Booth (OS-1)	0.0015
Miscellaneous Sanding Booths(5) ASH 1B Exhaust (OS-1)	0.0015
Inspection/Moist Sand Booths (OS-1)	0.0015
Surfacer Exhaust No. 1 (PS-1)	0.0015
Surfacer Exhaust No. 2 (PS-2)	0.0015
Off Line Heavy Metal and Dry Sand Repair Booth (OS-1)	0.0015
Basecoat Booth Exhaust No. 1 (TC-1)	0.0015
Basecoat Booth Exhaust No. 2 (TC-2)	0.0015
Clearcoat Booth Exhaust No. 1 (TC-7)	0.0015
Clearcoat Booth Exhaust No. 2 (TC-8)	0.0015
Topcoat Strip (OS-1)	0.0015
Repair Sand Booth (OS -1)	0.0015
Black Out/Extra Work Booth (BO-1)	0.0015
Body Shop-Grinding Operation #1 (BS-1)	0.0015
Body Shop-Grinding Operation #2 (BS-2)	0.0015

OPERATION	PARTICULATE BACT lb./MMBtu of heat input
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Electrocoat Indirect-fire Burner Exhaust (EC-4)	0.0075
Sealer/Deadener / Coating Line (US-4)	0.0075
Primer/Surfacer Coating Line Oven (PS-6)	0.0075
Basecoat Indirect-fire Burner Exhaust No. 1 (TC-3)	0.0075
Basecoat Indirect-fire Burner Exhaust No. 2 (TC-4)	0.0075
Topcoat Indirect-fire Burner Exhaust No. 1 (TC-13)	0.0075
Topcoat Indirect-fire Burner Exhaust No. 2 (TC-14)	0.0075
Wax Booth (WB-1)	0.0075

OPERATION	PARTICULATE BACT Lb./hour
Enamel Touch-Up Booth Exhaust (TB-1) (5 Booths)	0.011
AS Urethane Paint Touch-Up Booths (AS-19, AS-20) (each)	0.011
AS Enamel Paint Touch-Up Booths (AS-21, AS-22) (each)	0.011
AS Repair Paint Booths (AS-23, AS-24) (each)	0.011

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

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

Low NOx burners shall be installed, maintained, and operated on the following sources:

OPERATION	NO_x BACT Lb./MMBtu of heat input
Electrodeposition Coating Line and Oven (EC-4)	0.10
Sealer/Deadener /Coating Line and Oven (US-1, US-4)	0.10
Primer/Surfacer Coating Line (PS-1, PS-2, PS-6)	0.10
Topcoat Coating Line and Ovens (TC-1, TC-2, TC-3, TC-4, TC-7, TC-8, TC-13, TC-14)-	0.10
Inspect and Polish Decks (2) (PD-1-PD-2)	0.10
Repair Sand Booth (OS-1)	0.10
Heavy Polishing Booth (None)	0.10
Black Tape Booth (None)	0.10
Black Out/Extra Work Booth (BO-1)	0.10

Cavity Wax Booth (WB-1)	0.10
Miscellaneous Sanding Booths(5) ASH 1B Exhaust (OS-1)	0.10
Enamel Touch-Up Booths (5) (TB-1)	0.10

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

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

OPERATION	CO BACT
	Lb./MMBtu of heat input

Electrodeposition Coating Line and Oven (EC-4)	0.09
Sealer/Deadener /Coating Line and Oven (US-1, US-4)	0.09
Primer/Surfacer Coating Line (PS-1, PS-2, PS-6)	0.09
Topcoat Coating Line and Ovens (TC-1, TC-2, TC-3, TC-4, TC-7, TC-8, TC-13, TC-14)	0.09
Black Out/Extra Work Booth (BO-1)	0.09
Wax Booth (WB-1)	0.09
Miscellaneous Sanding Booths(5) ASH 1B Exhaust (OS-1)	0.09
Enamel Touch-Up Booths (5) (TB-1)	0.09

10. 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)

11. The oven exhaust RTO-1 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, new parameters shall be established.

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

12. 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)

13. The following units will be captured and directed to the Oven Exhaust RTO-1.

Electrodeposition Coating Oven (EC-2)

Sealer/Deadener /Coating Oven (US-2)

Primer/Surfacer Coating Line Oven (PS-4)

Clearcoat Booth No. 1 and No. 2 Exhaust Nos. 1

(TC-5, TC-6) Automatic Zones (2)

Topcoat Coating Oven (2) (TC-9, TC-10)

RPP Booth (RP-1)*

*When using RPS (Low VOC/High Solids) material in RP-1, this booth is not required to be vented to the RTO-1, but the US-2 shall continue to be vented.

ADEM Admin. Code R.
335-3-14

14. The following MACT (112g) emission limits are applicable:

Combined organic HAP emissions to the atmosphere from electrodeposition primer, primer-surfacer, topcoat, final repair, glass bonding primer and glass bonding adhesive application shall not exceed 0.30 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.

ADEM Admin. Code R.
335-3-14-.06

15. Additional 112(g) MACT Limits:

OPERATION	lb. HAP/gallon coating, as applied
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Blackout Coatings	0.90
Cavity Wax	0.90

OPERATION (FACILITY WIDE)	ROLLING 12 MONTH TOTAL HAP EMISSION LIMIT (TPY)
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Miscellaneous Assembly Materials	13.0
Clean up/Purge/Flushing Solvents	36.0

OPERATION	MONTHLY AVERAGE HAP EMISSION LIMIT PERCENT BY WEIGHT
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Sealers/Adhesives	1.00%
Deadeners	1.00%
Glass Bonding Adhesives	1.00%
Welding Sealers/Adhesives	1.00%

ADEM Admin. Code R.
335-3-14-.06

16. The stack(s) associated with this facility 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.
335-3-4-.01

ADEM Admin. Code R.
335-3-14

17. The facility 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 and/or HAP containing material will be handled in such a way as to minimize VOC/HAP 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/HAP containing material cleanup or usage. Coatings and other fresh or spent VOC/HAP coating material will be stored in closed containers.

ADEM Admin. Code R.
335-3-14.06

18. The company shall minimize emissions of VOCs and HAPs from the paintshop process unit by following a set of work practices. Initially, these practices shall include:

a. Vehicle Body Wipe Practices

Disposal and recovery of wipes in closed containers when not in use.

Use of tack wipe materials whenever practical.

b. Purging Paint Lines Practices

Capture and reclaim or recovery of purge materials (except applicator nozzles/tips)

Minimize paint and solvent supply hose length.

c. Flushing Paint Systems Practices

Recover and recycle solvents.

d. Cleaning Spraybooth Grates Practices

Rinse with high-pressure water in place or offline.

Use of spray-on masking or other type of liquid masking.

e. Cleaning External Spraybooth Areas Practices

Use of spray-on masking or other type of liquid masking.

Use of removable floor coverings.

f. Storage of Chemicals containing VOCs and HAPs

Maintain lids on all materials containing VOCs and HAPs.

Clean up spills of materials containing VOCs and HAPs immediately.

The company may implement changes to these work practices if the change results in no increase in emissions. In such case, no notification to the Department will be required, and the company will record the change internally and make it available for inspection at the request of the Department.

The company will demonstrate compliance with these work practices 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.

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. The HAP content of coatings may be determined by test method on a random basis to verify formulation data and such other times as the Department may request. | 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. The VOC content of coatings may be determined by test method on a random basis to verify formulation data and such other times as the Department may request. | ADEM Admin. Code R.
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 Proviso Number 2.4 of this chapter of the permit. | ADEM Admin. Code R.
335-3-1-.04 |
| 4. Method 5 or 17 as defined in 40 CFR 60, Appendix A shall be used in the determination of particulate emissions from the stack (3-hour arithmetic average). | ADEM Admin. Code R.
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 (3-hour arithmetic average). | ADEM Admin. Code R.
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.
335-3-1-.05 |
| 7. Method 18, 25A, or 25, as determined by the | ADEM Admin. Code R. |

Department, as defined in 40 CFR 60, Appendix A shall be used in the determination of Volatile Organic Compound emissions from the stack. The test method will be determined by the Department before testing (3-hour arithmetic average).

335-3-1-.05

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 control devices are to be conducted for VOCs (for Oven Exhaust RTO-1 using the EPA Protocol specified in proviso number 3.3), transfer efficiencies, booth splits, control efficiencies, for the coatings used in coating operations using Method 24 or 311 as appropriate and other items as determined 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, 24 or 311 as appropriate as required by the Department.

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

3. A continuous recorder for the Oven Exhaust RTO-1 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.

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

4. The pressure differential for the Venturi Scrubbers between the supply air to the booth (PS-1-PS-2, TC-1-TC-2, TC-7-TC-8) and the exhaust air from the booth shall be measured using a pressure differential gauge and shall be recorded daily. If a value exceeds the minimum/maximum manufacturer(s) suggested value (value needs to be kept with records), then appropriate maintenance/replacement shall take place within one

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

working day. 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.

5. The particulate filters on the following sources (TB-1, AS-19, AS-20, AS-21, AS-22, AS-23, AS-24, OS-1) shall be checked at least weekly and these inspections shall be recorded in a maintenance logbook. If a filter needs to be changed as per manufacturer(s) suggested timeline (value needs to be kept with records) or by maintenance worker's recommendation, then appropriate maintenance/replacement shall take place within a week of the check. 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.
335-3-14-.04(8)

Section 5--Recordkeeping and Reporting Requirements

1. Accurate and understandable records of consumption of VOCs and VHAPs, 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 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

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

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, calculations, 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.
- (i) By the 30th 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 fifteen (15) days of the identification of the exceedance.

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

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

- 2. The minimum operational temperature of the combustion chamber of the Oven Exhaust RTO (RTO-1) shall be determined by test (3-run arithmetic average). The RTO shall operate at a setpoint of 1400 °F or above until an initial performance test is conducted and approved by the Department. Following testing, the temperature corresponding to an acceptable VOC destruction efficiency shall be established as the minimum operation temperature (3-hour average temperature) of the combustion chamber. If future testing is required by ADEM, new parameters shall be established. The temperature data must be

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

continuously recorded on a chart or other permanent record form which shows continuous temperature readings of the combustion chamber temperature. The record must be maintained for at least five years following the data recording.

3. The Oven Exhaust RTO (RTO-1) must have audible alarm or easily detectable signal which will provide a warning when the combustion chamber temperature decreases to less than the established minimum operational temperature (3-hour average 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 established minimum shall be recorded in a form suitable for inspection. These records shall be maintained for at least five years. If the 3 hour rolling average falls below the minimum operational temperature for more than 15 minutes, the process(es) will automatically shut down or Hyundai will provide ADEM a statement demonstrating that process shutdown was impossible or impractical. This failure to shutdown may be viewed as an exceedance by the Department. The process(es) shall not restart until the 3 hour average again reaches minimum operational temperature.

If the process is beginning from a shutdown condition (the thermal oxidizer and/or process(es) has been shut-down (or halted as described above), the process(es) may start production after the minimum operational temperature has been reached and maintained. The instantaneous temperature should be maintained above the minimum operational temperature until the 3 hour average again reaches the minimum operational temperature. If the instantaneous temperature fails to maintain above the minimum operational temperature more than 15 minutes during this ramp-up time, the facility will cease introducing bodies to each respective coating process, but may finish processing bodies already coated through each respective flash-off/oven

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

area. The ramp-up time to reset the 3 hour rolling average should not exceed 4 hours under any circumstances.

4. A recording-type temperature measuring device shall be used to measure and record the temperature in the combustion chamber of the 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 temperature of the thermal oxidizer 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 of the Oven Exhaust RTO-1 occurs, the time, date, duration, estimated VOC emissions, and equipment process(es) bypassed will be recorded. Records will be maintained of any malfunction or non-operation of the RTO, which results in an increase in the VOC emissions from any or all process equipment. 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 report summarizing the following 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. The report shall provide the following information for the Oven Exhaust RTO-1, as applicable.

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

- (A) The quantity of the solvents of VOCs in the coatings applied.
- (B) The VOCs bypassed by the Oven Exhaust RTO-1.
- (C) The VOCs vented to the Oven Exhaust RTO-1 by the process operation.
- (D) The estimated averaged destruction efficiency of the Oven Exhaust RTO-1.
- (E) The VOCs released or exhausted into the atmosphere by the Oven Exhaust RTO-1.
- (F) The time and date of any and all periods of coating operations where the temperature of the Oven

Exhaust RTO-1 is below the minimum operational temperature (three hour average temperature recorded during the most recent performance test which complied with the required overall VOC emission reduction).

(G) The cumulative or total quantity of VOCs released or exhausted into the atmosphere by each coating process and the Oven Exhaust RTO-1 during the applicable month and previous eleven months.

Operating Permit Summary No. 2

Emission Unit(s):

**2-24.494 MMBTU/HR NATURAL GAS FIRED
BOILERS (HW1,2)**

Designation No(s). in Application:

HW1, HW2.

Description:

**2-24.494 MMBTU/HR NATURAL GAS FIRED
BOILERS (HW1,2)**

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	PSD-BACT
NO _x	Recordkeeping	NSPS
PM/PM ₁₀	.0075 pounds per MMBtu heat input or .38 lbs./hr	PSD-BACT
NO _x	.035 pounds per MMBtu heat input or 1.75 lbs./hr	PSD-BACT
CO	.090 pounds per MMBtu heat input or 4.50 lbs./hr	PSD-BACT
HAPs	Best Work Practices	MACT

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. This unit (HW1, HW2) 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 (HW1, HW2) is subject to a PSD-BACT emission limitation.	ADEM Admin. Code R. 335-3-14-.04
4. This source is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Hazardous Air Pollutant (HAP) Emissions for Industrial, Commercial, and Institutional Boilers and Process Heaters as an "Existing Source".	ADEM Admin. Code R. 335-3-11-.06(107)
<i>Section 2--Emission Standards</i>	
1. 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. 335-3-4-.01 ADEM Admin. Code R. 335-3-14
2. Emission of PM-10 from each natural gas fired boiler (HW1, HW2) shall not exceed 0.38 lbs./hr or .0075 lbs./MMBTU measured in accordance with 40 CFR Part 60, Appendix A, Method 201 or 201A. Emissions of Total PM may be substituted for the determination of this limit at the company's discretion. This shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5 or 17 per the Department's discretion.	ADEM Admin. Code R. 335-3-14-.03
3. Emission of NOx from each natural gas fired boiler (HW1, HW2) shall not exceed 1.75 lbs./hr or .035 lbs./MMBTU measured in accordance with 40 CFR Part 60, appendix A, Method 7 or & 7E.	ADEM Admin. Code R. 335-3-14-.03

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|----|---|--|
| 4. | Emission of CO from each natural gas fired boiler (HW1, HW2) shall not exceed 4.50 lbs./hr or .090 lbs./MMBTU measured in accordance with 40 CFR Part 60, Appendix A, Method 10. | ADEM Admin. Code R.
335-3-14-.03 |
| 5. | These units (HW-1, HW-2) are 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. | The boilers are subject to the National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters (Subpart DDDDD). 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(107) |

Section 3--Compliance and Performance Test Methods and Procedures

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|----|---|------------------------------------|
| 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 or 17 as defined in 40 CFR 60, Appendix A shall be used in the determination of particulate emissions from the stack (3-hour arithmetic average). | ADEM Admin. Code R.
335-3-1-.05 |
| 3. | Method 201 or 201a as defined in 40 CFR 60, Appendix A shall be used in the determination of particulate emissions less than 10 microns from the stack (3-hour arithmetic average). | ADEM Admin. Code R.
335-3-1-.05 |
| 4. | 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 (3-hour arithmetic average). | ADEM Admin. Code R.
335-3-1-.05 |
| 5. | Method 10 as defined in 40 CFR 60, Appendix A shall be used in the determination of carbon monoxide emissions from the stack (3-hour arithmetic average). | ADEM Admin. Code R.
335-3-1-.05 |

Section 4--Emission Monitoring

- | | | |
|----|------|--|
| 1. | NONE | |
|----|------|--|

Section 5--Recordkeeping and Reporting Requirements

1. Records of monthly fuel usage must be kept in a permanent form suitable for inspection for boilers (HW1, HW2). The records shall be retained for at least five years from the date of generation and available upon request.

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

2. Records of the annual tune-up of the boiler as specified in § 63.7540 and one-time energy assessment performed by a qualified energy assessor as per 40CFR Part 63 Table 3 to subpart DDDDD shall be kept in permanent form suitable for inspection. The records shall be retained for at least five years from the date of generation and available upon request. Conduct burner tune-up of the boiler to demonstrate continuous compliance specified in § 63.7540 no later than January 31, 2016.

ADEM Admin. Code R.
335-3-11-.06(107)

If burner rating >10 MMBtu/hr, tune up required annually;

If burner rating <10 MMBtu/hr but greater than 5 MMBtu/hr, tune up required every 2 years;

If burner rating < 5 MMBtu/hr, tune up required every 5 years;

3. Records of the process heater tune-ups as specified in § 63.7540 as per 40CFR Part 63 subpart DDDDD shall be kept in permanent form suitable for inspection. The records shall be retained for at least five years from the date of generation and available upon request.

ADEM Admin. Code R.
335-3-11-.06(107)

Conduct burner tune-up of the process heaters to demonstrate continuous compliance specified in § 63.7540 no later than January 31, 2016.

If burner rating >10 MMBtu/hr, tune up required annually;

If burner rating <10 MMBtu/hr but greater than 5 MMBtu/hr, tune up required every 2 years;

If burner rating < 5 MMBtu/hr, tune up required every 5 years;

Operating Permit Summary No. 03

Emission Unit(s): STORAGE TANKS WITH STAGE I RECOVERY
Designation No(s). in Application:
Description: THREE 10,000 GALLON GASOLINE STORAGE TANKS, ONE 9,950 GALLON WINDSHIELD WASHER FLUID STORAGE TANK, AND THREE 65,000, TWO 18,000, THREE 10,000 GALLON WASTEWATER EQUALIZATION 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

Federally Enforceable Provisos

Regulations

Section 1--Applicability

1. This source is subject to a PSD-BACT limitation.

ADEM Admin. Code R.
335-3-14-.04

Section 2--Emission Standards

1. The gasoline storage tanks (GT1, GT2, GT3) shall be equipped and operated with submerged fill pipes and a Stage I vapor recovery system, in accordance with ADEM Admin. Code 335-3-6-.07.
2. These tanks (GT1, GT2, GT3) shall store gasoline, (MA1) Windshield Washer Fluid, and (ET1, ET2, ET3, ET4, ET5, ET6, ET7, ET8,) Equalization Water only.

ADEM Admin. Code R.
335-3-14-.04

ADEM Admin. Code R.
335-3-14-.04

Section 3--Compliance and Performance Test Methods and Procedures

1. NONE

Section 4--Emission Monitoring

1. NONE

Section 5--Recordkeeping and Reporting Requirements

1. NONE

Operating Permit Summary No. 008

Emission Unit(s):

**NO. 2-ENGINE TEST DYNAMOMETER W/
 CATALYTIC OXIDIZER (ES-17)**
**NO. 3-ENGINE TEST DYNAMOMETER W/
 CATALYTIC OXIDIZER (ES-17)**
**NO. 5-ENGINE TEST DYNAMOMETER W/
 CATALYTIC OXIDIZER (ES-19)**
**NO. 6-ENGINE TEST DYNAMOMETER W/
 CATALYTIC OXIDIZER (ES-19)**

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

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
HAPs	EMISSIONS VENTED TO A CONTROL DEVICE THAT ACHIEVES 99.0% DESTRUCTION FOR CO	112(G)
PM	0.075 pounds/hour (ES-17)	PSD-BACT
Opacity	10% as determined by a 6 minute average	PSD-BACT
NOX	12.5 ppmvd corrected to 19% excess O ₂ (No Dilution Air) at outlet (ES-17)	PSD-BACT
CO	99.0% Destruction (No Dilution Air) at outlet	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 unit is subject to the opacity emission rate limits.	ADEM Admin. Code R. 335-3-4-.01
3. This source is subject to 112 (G) emission limitations.	ADEM Admin. Code R. 335-3-14-.06
<i>Section 2--Emission Standards</i>	
1. 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. 335-3-4-.01 ADEM Admin. Code R. 335-3-14

2. Hyundai shall install and operate a catalytic thermal oxidizer on the Engine Test Dynamometer (ES-17). The minimum temperature entering the catalytic oxidizer for the Engine Test Dynamometer (ES-17) shall be determined by test (3-run arithmetic average). The catalytic thermal oxidizer shall operate at an inlet temperature setpoint of 550 °F or above until an initial performance test is conducted and approved by the Department. Following testing, the temperature corresponding to an acceptable CO outlet concentration shall be established as the minimum inlet temperature (3-hour average temperature) to the catalytic oxidizer. If future testing is required by ADEM, new parameters shall be established. This source shall measure the temperature at the inlet to the catalyst bed and implement a site-specific inspection and maintenance plan for the catalytic oxidizer as specified in Proviso No. 4.3.

3. The catalytic thermal oxidizer on the Engine Test Dynamometer (ES-17) shall maintain the minimum operational temperature based on a 15 minute rolling average and not a 3 hour rolling average.

The catalytic thermal oxidizer on the Engine Test Dynamometer (ES-17) shall achieve greater than 99.0% destruction of CO at the outlet as measured in accordance with 40 CFR Part 60, Appendix A, Method 10.

4. The catalytic thermal oxidizer on the Engine Test Dynamometer (ES-17) shall not emit greater than 12.5 ppmvd corrected to 19% excess O₂ concentration (No Dilution Air) of NO_x at the outlet as measured in accordance with 40 CFR Part 60, Appendix A, Method 7 or 7E if required to test by the Department.

5. The catalytic thermal oxidizer on the Engine Test Dynamometer (ES-17) shall not emit greater than 0.075 pounds/hour of PM as measured in accordance with 40 CFR Part 60, Appendix A, Method 5 or 17 per the Department's discretion or other method as determined by the Department if required to test by the Department (3-hour arithmetic average).

6. Hyundai shall install and operate a catalytic thermal oxidizer on the Engine Test Dynamometer (ES-19). The minimum temperature entering the catalytic oxidizer for the Engine Test Dynamometer (ES-19) shall be determined by test (3-run arithmetic average). The catalytic thermal oxidizer shall operate at an inlet temperature setpoint of 550 °F or above until an initial performance test is conducted and approved by the Department. Following testing, the temperature corresponding to an acceptable CO outlet concentration shall be established as the minimum inlet temperature (3-hour average temperature) to the catalytic oxidizer. If future testing is required by ADEM, new parameters shall be established. This source shall measure the temperature at the inlet to the catalyst bed and implement a site-specific inspection and maintenance plan for the catalytic oxidizer as specified in Proviso No. 4.3.

ADEM Admin. Code R.
335-3-14

7. The catalytic thermal oxidizer on the Engine Test Dynamometer (ES-19) shall maintain the minimum operational temperature based on a 15 minute rolling average and not a 3 hour rolling average.

ADEM Admin. Code R.
335-3-14

The catalytic thermal oxidizer on the Engine Test Dynamometer (ES-19) shall achieve greater than 99.0% destruction of CO at the outlet as measured in accordance with 40 CFR Part 60, Appendix A, Method 10.

8. The catalytic thermal oxidizer on the Engine Test Dynamometer (ES-19) shall not emit greater than 12.5 ppmvd corrected to 19% excess O₂ concentration (No Dilution Air) of NO_x at the outlet as measured in accordance with 40 CFR Part 60, Appendix A, Method 7 or 7E if required to test by the Department.

ADEM Admin. Code R.
335-3-14

9. The catalytic thermal oxidizer on the Engine Test Dynamometer (ES-19) shall not emit greater than 0.075 pounds/hour of PM as measured in accordance with 40 CFR Part 60, Appendix A, Method 5 or 17 per the Department's discretion or other method as determined by the Department if required to test by the Department (3-hour arithmetic average).

ADEM Admin. Code R.
335-3-14

Section 3--Compliance and Performance Test Methods and Procedures

1. Method 5 or 17 as defined in 40 CFR 60, Appendix A shall be used in the determination of particulate emissions from the stack (3-hour arithmetic average).
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 (3-hour arithmetic average).
3. Method 10 as defined in 40 CFR 60, Appendix A shall be used in the determination of carbon monoxide emissions from the stack (3-hour arithmetic average).
4. 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

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

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

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

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. A continuous recorder for the catalytic oxidizer on the Engine Test Dynamometer (ES-17) 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. This analyzer will be a compliance method for the CO limit above.

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

A continuous recorder for the catalytic oxidizer on the Engine Test Dynamometer (ES-19) 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. This analyzer will be a compliance method for the CO limit above.

3. HMMA must develop and implement an inspection and maintenance plan for the catalytic oxidizer described in Proviso No. 2.3. The plan must address, at a minimum, the elements specified below:

- (i) Annual sampling and analysis of the catalyst activity (*i.e.*, conversion efficiency) following the manufacturer's or catalyst supplier's recommended procedures.

- (ii) Monthly inspection of the oxidizer system, including the burner assembly and fuel supply lines for problems and, as necessary, adjust the equipment to assure proper air-to-fuel mixtures.

- (iii) Annual internal and monthly external visual inspection of the catalyst bed to check for channeling, abrasion, and settling. If problems are found, HMMA must take corrective action consistent with the manufacturer's recommendation and conduct a new performance test to determine destruction efficiency according to Proviso No. 2.3.

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

Section 5--Recordkeeping and Reporting Requirements

1. The minimum operational temperature of the combustion chamber of the catalytic oxidizer or the inlet of the catalytic oxidizer for the process equipment shall be determined by test. Following testing, the temperature corresponding to an acceptable CO destruction efficiency shall be established as the minimum operation temperature of the combustion chamber/minimum inlet catalytic oxidizer temperature. This minimum operation temperature will be calculated on a consecutive 15 minute averaging time period. A temperature reading must normally be taken at least every one minute. 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 record must be maintained for at least five years following the data recording.

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

2. The catalytic oxidizer(s) must have audible alarm or easily detectable signal which will provide a warning when the combustion chamber or inlet catalytic oxidizer temperature decreases to less than the 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 established minimum shall be recorded in a form suitable for inspection. These records shall be maintained for at least five years.

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

3. A recording-type temperature measuring device shall be used to measure and record the temperature in the combustion chamber or inlet of the catalytic 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 or inlet catalytic oxidizer temperature will be recorded for all system operations

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

and the recordings will be maintained in a form suitable for inspection for a period of five years.

4. When any bypassing of the incinerator(s) occurs, the time, date, or duration, estimated CO emissions, and equipment process(es) bypassed will be recorded. Records will be maintained of any malfunction or non-operation of the incinerator, which results in an increase in the CO emissions from any or all process equipment. 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

5. A report summarizing the following 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. The report shall provide the following information for the incinerator(s), as applicable.

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

(A) The time and date of any and all periods of operations where the temperature of the incinerator(s) is below the three hour average temperature recorded during the most recent performance test which complied with the required overall VOC emission reduction.

Operating Permit Summary No. 016

Emission Unit(s):

GENERATOR

Designation No(s). in Application:

Description:

GENERAC (EG04) (63 HP, 36 KW, NATURAL GAS).

Permitted Operating Schedule:

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

Type and quantity of fuel used:

Primary: NATURAL GAS

Secondary:

Pollutants Emitted:

Pollutant	Regulatory Emission Limit	Applicable Standard
Opacity	10% as determined by a 6 minute average	SIP
HAPs	INITIAL NOTIFICATION REQUIREMENTS	MACT-ZZZZ
VOC	10.0 G/HP-HR	NSPS-JJJJ
CO	387.0 G/HP-HR	NSPS-JJJJ

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 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 Stationary Reciprocating Internal Combustion Engines (ZZZZ) as a "New Source". Under 63.6645(f), this source must submit an initial notification to this Department, which has been completed.	ADEM Admin. Code R. 335-3-11-.06(103)
3. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-10-.02 (88), "National Standards of Performance for New Stationary Sources (NSPS) for Stationary Spark Ignition Internal Combustion Engines (JJJJ) as a "New Source".	ADEM Admin. Code R. 335-3-10-.02(88)
<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.	ADEM Admin. Code R. 335-3-4-.01
2. The emergency generator is subject to the Standards of Performance for New Stationary Sources; Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ. The facility will operate and maintain the engine in compliance with the manufacturer's emission-related written instructions as listed in 60.4243(b). The facility will limit operating hours for maintenance checks and readiness testing to 100 hours per year as listed in 60.4243(d). The emergency generator will be certified to meet the standards as listed in 60.4233(e) and listed in Section 2.3 below or perform an initial performance test to show compliance with the pollutants listed in Section 2.3 below:	ADEM Admin. Code R. 335-3-11-.06(103)

3. The Emergency stationary SI RICE unit(s) shall:
 - a. not emit more than 387.0 CO g/HP-hr
 - b.. not emit more than 10.0 VOC g/HP-hr.

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.
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.
3. Method 18 or 25, 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. 335-3-1-.05

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

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 listed in Section 2.2 above 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. The owner or operator of a stationary internal combustion engine shall maintain all records specified in 40 CFR 60.4245(a).
2. The following federal requirements apply to these unit(s) as specified in 40 CFR 60.4243, listed here in part.

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

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

(d) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (d)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine.

3. Within the first 15 days 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. 335-3-11-.06(103)

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

Operating Permit Summary No. 017

Emission Unit(s):

GENERATOR

Designation No(s). in Application:

Description:

KOHLER POWER SYSTEMS 400REZX(EG02) (650 HP,
485 KW, NATURAL GAS).

Permitted Operating Schedule:

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

Type and quantity of fuel used:

Primary: NATURAL GAS

Secondary: LPG

Pollutants Emitted:

Pollutant	Regulatory Emission Limit	Applicable Standard
Opacity	20% as determined by a 6 minute average	SIP
HAPs	INITIAL NOTIFICATION REQUIREMENTS	MACT-ZZZZ
VOC	1.0 G/HP-HR	NSPS-JJJ
NOX	2.0 G/HP-HR	NSPS-JJJ
CO	4.0 G/HP-HR	NSPS-JJJ

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 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 Stationary Reciprocating Internal Combustion Engines (ZZZZ) as a "New Source". Under 63.6645(f), this source must submit an initial notification to this Department, which has been completed.	ADEM Admin. Code R. 335-3-11-.06(103)
3. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-10-.02 (88), "National Standards of Performance for New Stationary Sources (NSPS) for Stationary Spark Ignition Internal Combustion Engines (JJJJ) as a "New Source".	ADEM Admin. Code R. 335-3-10-.02(88)
<i>Section 2--Emission Standards</i>	
1. This unit shall not discharge into the atmosphere opacity greater than twenty percent (20%), as determined by a six (6) minute average. During one six (6) minute period during any sixty (60) minute period, this unit may discharge opacity not exceeding forty (40%) percent.	ADEM Admin. Code R. 335-3-4-.01
2. The emergency generator is subject to the Standards of Performance for New Stationary Sources; Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ. The facility will operate and maintain the engine in compliance with the manufacturer's emission-related written instructions as listed in 60.4243(b). The facility will limit operating hours for maintenance checks and readiness testing to 100 hours per year as listed in 60.4243(d). The emergency generator will be certified to meet the standards as listed in 60.4233(e) and listed in Section 2.3 below or perform an initial performance test to show compliance with the pollutants listed in Section 2.3 below:	ADEM Admin. Code R. 335-3-11-.06(103)

3. The Emergency stationary SI RICE unit(s) shall:
 - a. not emit more than 2.0 NO_x g/HP-hr.
 - b. not emit more than 4.0 CO g/HP-hr.
 - c. not emit more than 1.0 VOC g/HP-hr.

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.
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.
3. Method 18 or 25, 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.
4. Method 10 as defined in 40 CFR 60, Appendix A shall be used in the determination of Carbon Monoxide emissions from the stack.

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

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

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

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 listed in Section 2.2 above 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. The owner or operator of a stationary internal combustion engine shall maintain all records specified in 40 CFR 60.4245(a).
2. The following federal requirements apply to these unit(s) as specified in 40 CFR 60.4243, listed here in part.

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

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

(d) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited.

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

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (d)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine.

3. Within the first 15 days 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

Operating Permit Summary No. 018

Emission Unit(s):

GENERATOR

Designation No(s). in Application:

Description:

CATERPILLAR 3406C (CFB2)(460 HP, 343 KW, DIESEL)

Permitted Operating Schedule:

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

Type and quantity of fuel used:

Primary: DIESEL

Secondary:

Pollutants Emitted:

Pollutant	Regulatory Emission Limit	Applicable Standard
Opacity	20% as determined by a 6 minute average	SIP
HAPs	VARIOUS MAINTENANCE REQUIREMENTS	MACT-ZZZZ

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 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 Stationary Reciprocating Internal Combustion Engines (ZZZZ) as an "Existing Source". Under 63.6645(f), this source must submit an initial notification to this Department, which has been completed.	ADEM Admin. Code R. 335-3-11-.06(103)
<i>Section 2--Emission Standards</i>	
1. This unit shall not discharge into the atmosphere opacity greater than twenty percent (20%), as determined by a six (6) minute average. During one six (6) minute period during any sixty (60) minute period, this unit may discharge opacity not exceeding forty (40%) percent.	ADEM Admin. Code R. 335-3-4-.01
<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 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
3. Method 18 or 25, 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. 335-3-1-.05
4. Method 10 as defined in 40 CFR 60, Appendix A shall be used in the determination of Carbon Monoxide 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. Records of engine usage listed in Section 2.2 above 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. The owner or operator of a stationary internal combustion engine shall maintain all records specified in 40 CFR 60.4214.
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.

(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; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph (f)(1)(iii), as long as the power provided by the financial arrangement is limited to emergency power.

3. Within the first 15 days 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.

Operating Permit Summary No. 019

Emission Unit(s):

GENERATOR

Designation No(s). in Application:

Description:

CATERPILLAR 3412C (EG01)(1039 HP, 775 KW, DIESEL).
CATERPILLAR 3512C (CEB1)(1818 HP, 1356 KW, DIESEL)

Permitted Operating Schedule:

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

Type and quantity of fuel used:

Primary: DIESEL

Secondary:

Pollutants Emitted:

Pollutant	Regulatory Emission Limit	Applicable Standard
Opacity	20% as determined by a 6 minute average	SIP
HAPs		MACT-ZZZZ

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 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 Stationary Reciprocating Internal Combustion Engines (ZZZZ) as a "New Source". Under 63.6645(f), this source must submit an initial notification to this Department, which has been completed.	ADEM Admin. Code R. 335-3-11-.06(103)
<i>Section 2--Emission Standards</i>	
1. This unit shall not discharge into the atmosphere opacity greater than twenty percent (20%), as determined by a six (6) minute average. During one six (6) minute period during any sixty (60) minute period, this unit may discharge opacity not exceeding forty (40%) percent.	ADEM Admin. Code R. 335-3-4-.01
<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 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
3. Method 18 or 25, 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. 335-3-1-.05
4. Method 10 as defined in 40 CFR 60, Appendix A shall be used in the determination of Carbon Monoxide 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. Records of engine usage listed in Section 2.2 above 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. Within the first 15 days 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. 335-3-11-.06(103)

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