



MAJOR SOURCE OPERATING PERMIT

PERMITTEE: PLAINS MARKETING, L.P.
FACILITY NAME: MOBILE TERMINAL AT MAGAZINE POINT
FACILITY/PERMIT NO.: 503-3013
LOCATION: MOBILE, MOBILE COUNTY, 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: DRAFT
Effective Date: DRAFT
Expiration Date: DRAFT

Table of Contents

GENERAL PERMIT PROVISOS	1
1. <i>Transfer</i>	1
2. <i>Renewals</i>	1
3. <i>Severability Clause</i>	1
4. <i>Compliance</i>	1
5. <i>Termination for Cause</i>	1
6. <i>Property Rights</i>	2
7. <i>Submission of Information</i>	2
8. <i>Economic Incentives, Marketable Permits, and Emissions Trading</i>	2
9. <i>Certification of Truth, Accuracy, and Completeness</i>	2
10. <i>Inspection and Entry</i>	2
11. <i>Compliance Provisions</i>	3
12. <i>Compliance Certification</i>	3
13. <i>Reopening for Cause</i>	4
14. <i>Additional Rules and Regulations</i>	4
15. <i>Equipment Maintenance or Breakdown</i>	4
16. <i>Operation of Capture and Control Devices</i>	5
17. <i>Obnoxious Odors</i>	5
18. <i>Fugitive Dust</i>	5
19. <i>Additions and Revisions</i>	6
20. <i>Recordkeeping Requirements</i>	6
21. <i>Reporting Requirements</i>	7
22. <i>Emission Testing Requirements</i>	7
23. <i>Payment of Emission Fees</i>	8
24. <i>Other Reporting and Testing Requirements</i>	8
25. <i>Title VI Requirements (Refrigerants)</i>	8
26. <i>Chemical Accidental Prevention Provisions</i>	8
27. <i>Display of Permit</i>	9
28. <i>Circumvention</i>	9
29. <i>Visible Emissions</i>	9
30. <i>Fuel-Burning Equipment</i>	9
31. <i>Process Industries – General</i>	10
32. <i>Averaging Time for Emission Limits</i>	10
33. <i>Open Burning</i>	10
34. <i>Permit Shield</i>	10
EMISSION UNIT NO. 001 (TANK NO. 1106)	11
<i>Summary Page</i>	11
<i>Unit Specific Provisos</i>	12
1. <i>Applicability</i>	12
2. <i>Emission Standards</i>	12
3. <i>Compliance and Performance Test Methods and Procedures</i>	12
4. <i>Emission Monitoring</i>	12
5. <i>Recordkeeping and Reporting Requirements</i>	13

Table of Contents

EMISSION UNIT NOS. 002 – 011 (TANK NOS. 1101, 1104-1105, 1110-1112, 1116, & 62061-62063)	15
.....	
<i>Summary Page</i>	15
<i>Unit Specific Provisos</i>	17
1. Applicability	17
2. Emission Standards	17
3. Compliance and Performance Test Methods and Procedures	17
4. Emission Monitoring.....	17
5. Recordkeeping and Reporting Requirements	17
EMISSION UNIT NOS. 012 - 015 (TANK NOS. 1102, 1103, 1108 & 1109).....	18
.....	
<i>Summary Page</i>	18
1. Applicability	19
2. Emission Standards	19
3. Compliance and Performance Test Methods and Procedures	19
4. Emission Monitoring.....	19
5. Recordkeeping and Reporting Requirements	19
EMISSION UNIT NOS. 016 AND 017 (TANK NOS. 1114 AND 1115).....	21
.....	
<i>Summary Page</i>	21
<i>Unit Specific Provisos</i>	22
1. Applicability	22
2. Emission Standards	22
3. Compliance and Performance Test Methods and Procedures	22
4. Emission Monitoring.....	22
5. Recordkeeping and Reporting Requirements	22
EMISSION UNIT NO. 018 (VOLATILE ORGANIC MATERIALS TRUCK LOADING OPERATIONS).....	23
.....	
<i>Summary Page</i>	23
<i>Unit Specific Provisos</i>	24
1. Applicability	24
2. Emission Standards	24
3. Compliance and Performance Test Methods and Procedures	24
4. Emission Monitoring.....	24
5. Recordkeeping and Reporting Requirements	25
EMISSION UNIT NO. 019 (VOLATILE ORGANIC MATERIALS MARINE LOADING OPERATIONS).....	26
.....	
<i>Summary Page</i>	26
<i>Unit Specific Provisos</i>	27
1. Applicability	27
2. Emission Standards	27
3. Compliance and Performance Test Methods and Procedures	27
4. Emission Monitoring.....	27
5. Recordkeeping and Reporting Requirements	27

Table of Contents

EMISSION UNIT NO. 020 (EMERGENCY GENERATOR)	28
<i>Summary Page</i>	28
<i>Unit Specific Provisos</i>	29
1. Applicability	29
2. Emission Standards	29
3. Compliance and Performance Test Methods and Procedures	29
4. Emission Monitoring.....	30
5. Recordkeeping and Reporting Requirements	30
EMISSION UNIT NO. 021 (EMERGENCY FIRE WATER PUMP NO. 1)	31
<i>Summary Page</i>	31
<i>Unit Specific Provisos</i>	32
1. Applicability	32
2. Emission Standards	32
3. Compliance and Performance Test Methods and Procedures	33
4. Emission Monitoring.....	33
(a) This unit shall be equipped with a non-resettable hour meter.....	33
5. Recordkeeping and Reporting Requirements	33
EMISSION UNIT NOS. 022 AND 023 (CARGO PUMP NOS. 1 AND 2)	35
<i>Summary Page</i>	35
<i>Unit Specific Provisos</i>	36
1. Applicability	36
2. Emission Standards	36
3. Compliance and Performance Test Methods and Procedures	36
4. Emission Monitoring.....	37
5. Recordkeeping and Reporting Requirements	37
EMISSION UNIT NOS. 024 AND 025 (STORMWATER PUMP NOS. 1 AND 2)	39
<i>Summary Page</i>	39
<i>Unit Specific Provisos</i>	40
1. Applicability	40
2. Emission Standards	40
3. Compliance and Performance Test Methods and Procedures	41
4. Emission Monitoring.....	42
5. Recordkeeping and Reporting Requirements	42
EMISSION UNIT NO. 026 (EMERGENCY FIREWATER PUMP NO. 2)	43
<i>Summary Page</i>	43
<i>Unit Specific Provisos</i>	44
1. Applicability	44
2. Emission Standards	44
3. Compliance and Performance Test Methods and Procedures	45
4. Emission Monitoring.....	46
5. Recordkeeping and Reporting Requirements	46

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Transfer</u></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 ADEM Admin. Code r. 335-3-16-.13(1)(a)5.</p>	<p>ADEM Admin. Code r. 335-3-16-.02(6)</p>
<p>2. <u>Renewals</u></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>	<p>ADEM Admin. Code r. 335-3-16-.12(2)</p>
<p>3. <u>Severability Clause</u></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, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(e)</p>
<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 with conditions of this permit would have required halting or reducing the permitted activity.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(f)</p> <p>ADEM Admin. Code r. 335-3-16-.05(g)</p>
<p>5. <u>Termination for Cause</u></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>	<p>ADEM Admin. Code r. 335-3-16-.05(h)</p>

General Permit Provisos

Federally Enforceable Provisos

Regulations

6. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.

ADEM Admin. Code r. 335-3-16-.05(i)

7. Submission of Information

The permittee must submit to the Air Division, within 30 days or for such other reasonable time as the Air Division may set, any information that the Air Division 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 Air Division copies of records required to be kept by this permit.

ADEM Admin. Code r. 335-3-16-.05(j)

8. Economic Incentives, Marketable Permits, and Emissions Trading

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.

ADEM Admin. Code r. 335-3-16-.05(k)

9. Certification of Truth, Accuracy, and Completeness

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.

ADEM Admin. Code r. 335-3-16-.07(a)

10. Inspection and Entry

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:

ADEM Admin. Code r. 335-3-16-.07(b)

- (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;

General Permit Provisos

Federally Enforceable Provisos

Regulations

(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.

11. Compliance Provisions

(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.

ADEM Admin. Code r.
335-3-16-.07(c)

(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.

12. Compliance Certification

The permittee shall submit a complete and accurate compliance certification by January 16th of each year for each annual reporting period of this permit (November 17th – November 16th).

ADEM Admin. Code r.
335-3-16-.07(e)

(a) The compliance certification shall include the following:

- (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 ADEM Admin. Code r. 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);
- (4) Whether compliance has been continuous or intermittent;
- (5) Such other facts as the Air Division may require to determine the compliance status of the source;

(b) The compliance certification shall be submitted to:

Alabama Department of Environmental Management
Air Division
P.O. Box 301463
Montgomery, AL 36130-1463

and to:

Air and EPCRA Enforcement Branch
EPA Region IV
61 Forsyth Street, SW
Atlanta, GA 30303

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>13. Reopening for Cause</p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <ul style="list-style-type: none">(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.(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.(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.(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.	<p>ADEM Admin. Code r. 335-3-16-.13(5)</p>
<p>14. Additional Rules and Regulations</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>15. Equipment Maintenance or Breakdown</p> <ul style="list-style-type: none">(a) In 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 Air Division at least (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:<ul 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;	<p>ADEM Admin. Code r. 335-3-1-.07(1),(2)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(3) The nature and quality 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 sources 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>16. <u>Operation of Capture and Control Devices</u></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>17. <u>Obnoxious Odors</u></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>ADEM Admin. Code r. 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 shall 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>ADEM Admin. Code r. 335-3-4-.02</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<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 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 Air Division prior to utilization.</p>	
<p>19. Additions and Revisions</p> <p>Any modifications to this source shall comply with the modification procedures in ADEM Admin. Code r. 335-3-16-.13 or 335-3-16-.14.</p>	<p>ADEM Admin. Code r. 335-3-16-.13 and 335-3-16-.14</p>
<p>20. Recordkeeping Requirements</p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <ul 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>ADEM Admin. Code r. 335-3-16-.05(c)2.</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p><u>21. Reporting Requirements</u></p> <p>(a) Reports to the Air Division 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 ADEM Admin. Code r. 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 shall include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p> <p><u>22. Emission Testing Requirements</u></p> <p>Each point of emission which requires testing shall 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>(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.</p> <p>(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).</p> <p>(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.</p> <p>(d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)3.</p> <p>ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)</p> <p>ADEM Admin. Code r. 335-3-1-.04</p>

General Permit Provisos

Federally Enforceable Provisos

Regulations

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.

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

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.

23. Payment of Emission Fees

(a) The permittee shall remit the annual Operating Permit Fees required by ADEM Admin. Code r. 335-1-7-.04 according to the schedule in ADEM Admin. Code r. 335-1-7-.05.

ADEM Admin. Code r. 335-1-7-.05

(b) The permittee shall submit its estimate of actual emissions for the previous calendar year according to the schedule in ADEM Admin. Code r. 335-1-7-.05.

ADEM Admin. Code r. 335-1-7-.05

24. Other Reporting and Testing Requirements

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.

ADEM Admin. Code r. 335-3-1-.04(1)

25. Title VI Requirements (Refrigerants)

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.

ADEM Admin. Code r. 335-3-16-.05(a)

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.

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.

26. Chemical Accidental Prevention Provisions

If a chemical listed in Table 1 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:

40 CFR Part 68

(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(b) The owner or operator shall submit one of the following:</p> <ul style="list-style-type: none">(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a) or,(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>27. Display of Permit</p> <p>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 shall make the permit readily available for inspection by any or all persons who may request to see it.</p> <p>28. Circumvention</p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in the 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> <p>29. Visible Emissions</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> <p>30. Fuel-Burning Equipment</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 ADEM Admin. Code r. 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 ADEM Admin. Code r. 335-3-5-.01.</p>	<p>ADEM Admin. Code r. 335-3-14-.01(1)(d)</p> <p>ADEM Admin. Code r. 335-3-1-.10</p> <p>ADEM Admin. Code r. 335-3-4-.01(1)</p> <p>ADEM Admin. Code r. 335-3-4-.03</p> <p>ADEM Admin. Code r. 335-3-5-.01</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p><u>31. Process Industries – General</u></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 ADEM Admin. Code r. 335-3-4-.04.</p> <p><u>32. Averaging Time for Emission Limits</u></p> <p>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.</p> <p><u>33. Open Burning</u></p> <p>Precautions should be taken to ensure that no person shall ignite, cause to ignite, permit to be ignited, or maintain any open fire in such a manner as to cause the Department’s rules and regulations applicable to open burning to be violated.</p> <p><u>34. Permit Shield</u></p> <p>A permit shield exists under this operating permit in accordance with ADEM Admin. Code r. 335-3-16-.10 in that compliance with the conditions of this permit shall be deemed in 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 the application of this permit. Under this shield, it has been determined that requirements listed as non-applicable in the application are not applicable to this source.</p>	<p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-3-.01</p> <p>ADEM Admin. Code r. 335-3-16-.10</p>

**Emission Unit No. 001
(Tank No. 1106)
Summary Page**

Description: One (1) vertical fixed roof storage tank equipped with an internal floating roof

Emission Unit No.	Tank No.	Shell Capacity (Gallons)	Seal Type	Product
001	1106	3,360,000	Primary: Mechanical Seal Secondary: Rim Mounted	General VOC Storage

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

Emission Unit No.	Description	Pollutant	Emission Limit	Regulation
001	Tank No. 1106	VOC	Product TVP <11.0 psia	ADEM Admin. Code r. 335-3-6-.03 (SIP)

**Emission Unit No. 001
(Tank No. 1106)
Unit Specific Provisos**

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) This tank is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) When storing a product with a true vapor pressure ≥ 1.5 psia, this tank is subject to the applicable requirements of ADEM Admin. Code r. 335-3-6-.03, "Loading and Storage of VOC".</p> <p>(c) This tank is an affected source under 40 CFR Part 63, Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, and 40 CFR Part 63, Subpart A, General Provisions.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-6-.03</p> <p>40 CFR Part 63, Subpart BBBBBB</p>
<p>2. <u>Emission Standards</u></p> <p>(a) The permittee shall not store any product in this tank with a true vapor pressure ≥ 11.0 psia under actual storage conditions.</p> <p>(b) If storing gasoline, the permittee shall meet each emission limitation and management practice specified in Table 1 of 40 CFR Part 63, Subpart BBBBBB.</p>	<p>ADEM Admin. Code r. 335-3-6-.03</p> <p>40 CFR §63.11087</p>
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>There are no applicable compliance and performance test method requirements for this tank.</p>	<p>N/A</p>
<p>4. <u>Emission Monitoring</u></p> <p>(a) The permittee shall certify semiannually that no product was stored in this tank that exceeded the vapor pressure limit specified in Section 2 above.</p> <p>(b) If storing gasoline, the permittee shall equip each internal floating roof gasoline storage tank according to the requirements in 40 CFR §60.112b(a)(1) except for the secondary seal requirements under 40 CFR §60.112b(a)(1)(ii)(B) and the requirements in §60.112b(a)(1)(iv) through (ix).</p> <p>(c) If storing gasoline, the permittee shall comply with the inspection requirements for internal floating roof gasoline storage tanks specified in 40 CFR §60.113b(a).</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>Table 1, Option 2(b) to Subpart BBBBBB</p> <p>40 CFR §63.11092(e)(1)</p>

Federally Enforceable Provisos	Regulations
<p>(d) If storing gasoline, the permittee shall perform a monthly leak inspection of all equipment in gasoline service by using sight, sound, and smell observations as detection methods. The monthly inspections shall be completed once per calendar month, with no less than 28 days and no more than 35 days between inspections [40 CFR §63.11100].</p>	40 CFR §63.11089(a)
<p>(e) When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of the leaking equipment shall be completed within 15 calendar days after detection of each leak, except if the repair is not feasible within 15 calendar days.</p>	40 CFR §63.11089(c) and 40 CFR §63.11089(d)
<p>5. Recordkeeping and Reporting Requirements</p>	
<p>(a) The permittee shall maintain a record of the type of VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. These records shall be maintained in a permanent form suitable for inspection for a period of five years from the date of generation.</p>	ADEM Admin. Code r. 335-3-16-.05(c), 40 CFR §63.11094(a), and 40 CFR §60.115(b)
<p>(b) If storing gasoline, the permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service.</p>	40 CFR §63.11094(d)
<p>(c) If storing gasoline, the permittee shall use a log book that shall be signed by the owner or operator at the completion of each monthly inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. In addition, the permittee shall record in the log book the following information for each detection of a vapor or liquid leak:</p>	40 CFR §63.11089(b) and 40 CFR §63.11094(e)
<p>(i) The equipment type and identification number;</p>	
<p>(ii) The nature of the leak and method of detection;</p>	
<p>(iii) The date the leak was detected and the date of each attempt to repair the leak;</p>	
<p>(iv) Repair methods applied in each attempt to repair the leak;</p>	
<p>(v) “Repair delayed” and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak;</p>	
<p>(vi) The expected date of successful repair of the leak if the leak is not repaired within 15 days; and</p>	
<p>(vii) The date of successful repair of the leak.</p>	

Federally Enforceable Provisos	Regulations
<p>(d) The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31th). The report shall include a statement certifying no product was stored that exceeded the vapor pressure limit specified in Section 2 above during the reporting period. In addition, this report shall include the information required by 40 CFR §63.11095.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §63.11095</p>

**Emission Unit Nos. 002 – 011
(Tank Nos. 1101, 1104, 1105, 1110-1112, 1116, & 62061-62063)**

Summary Page

Description: Ten (10) vertical fixed roof storage tanks each equipped with an internal floating roof

Emission Unit No.	Tank No.	Shell Capacity (Gallons)	Seal Type	Product
002	1101	3,360,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage
003	1104	3,360,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage
004	1105	3,360,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage
005	1110	6,300,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage
006	1111	6,300,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage
007	1112	6,300,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage
008	1116	6,300,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage
009	62061	5,250,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage
010	62062	5,250,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage
011	62063	6,300,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

**Emission Unit Nos. 002 – 011
(Tank Nos. 1101, 1104, 1105, 1110-1112, 1116, & 62061-62063)**

Summary Page (Continued)

Emission Limitations:

Emission Unit No.	Description	Pollutant	Emission Limit	Regulation
002	Tank No. 1101	VOC	Product TVP <11.0 psia	ADEM Admin. Code r. 335-3-6-.03 (SIP)
003	Tank No. 1104			
004	Tank No. 1105			
005	Tank No. 1110			
006	Tank No. 1111			
007	Tank No. 1112			
008	Tank No. 1116			
009	Tank No. 62061			
010	Tank No. 62062			
011	Tank No. 62063			

**Emission Unit Nos. 002 – 011
(Tank Nos. 1101, 1104-1105, 1110-1112, 1116 & 62061-62063)**

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) These tanks are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) When storing a product with a true vapor pressure ≥ 1.5 psia, these tanks are subject to the applicable requirements of ADEM Admin. Code r. 335-3-6-.03, “Loading and Storage of VOC”.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-6-.03</p>
<p>2. <u>Emission Standards</u></p> <p>The permittee shall not store any product in these tanks with a true vapor pressure ≥ 11.0 psia under actual storage conditions.</p>	<p>ADEM Admin. Code r. 335-3-6-.03</p>
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>There are no applicable compliance and performance test method requirements for these tanks.</p>	<p>N/A</p>
<p>4. <u>Emission Monitoring</u></p> <p>The permittee shall certify semiannually that no product was stored in these tanks that exceeded the vapor pressure limit specified in Section 2 above.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The permittee shall maintain a record of the type of VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. These records shall be maintained in a permanent form suitable for inspection for a period of five years from the date of generation and be made available upon request.</p> <p>(b) The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31th). The report shall include a statement certifying no product was stored that exceeded the vapor pressure limit specified in Section 2 above during the reporting period.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Emission Unit Nos. 012 - 015 (Tank Nos. 1102, 1103, 1108 & 1109)

Summary Page

Description: Four (4) vertical fixed roof storage tanks each equipped with an internal floating roof

Emission Unit No.	Tank No.	Shell Capacity (Gallons)	Seal Type	Product
012	1109	6,300,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage
013	1103	3,360,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage
014	1102	3,360,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage
015	1108	9,450,000	Primary: Mechanical Shoe Secondary: Rim Mounted	General VOC Storage

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

Emission Unit No.	Description	Pollutant	Emission Limit	Regulation
012	Tank No. 1109	VOC	Product TVP <11.1 psia	40 CFR Part 60, Subpart Kb
013	Tank No. 1103			
014	Tank No. 1102			
015	Tank No. 1108			

Emission Unit Nos. 012 - 015 (Tank Nos. 1102, 1103, 1108 & 1109)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) These tanks are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) When storing a product with a maximum true vapor pressure ≥ 0.5 psia, these tanks are subject to the applicable requirements of 40 CFR Part 60, Subpart Kb, "Standards of Performance for Volatile Organic Liquid Tanks (Including Petroleum Liquid Tanks) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984."</p> <p>2. <u>Emission Standards</u></p> <p>The permittee shall not store any product in this tank with a true vapor pressure ≥ 11.1 psia and shall comply with the applicable standards of 40 CFR §60.112b(a), "Standards for Volatile Organic Compounds (VOC)."</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>The permittee shall comply with the applicable requirements of 40 CFR §60.113b(a) "Testing and Procedures."</p> <p>4. <u>Emission Monitoring</u></p> <p>The permittee shall certify semiannually that no product was stored in these tanks that exceeded the applicable vapor pressure limit specified in Section 2 above.</p> <p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The permittee shall comply with the applicable recordkeeping and reporting requirements of 40 CFR Part 60, Subpart Kb, which include, but may not be limited to the following:</p> <p>(i) Maintain a record of each inspection performed as required by 40 CFR §60.113b(a). Each record shall identify the tank on which the inspection was performed and shall contain the date the tank was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-10-.02(9)(b)</p> <p>ADEM Admin. Code r. 335-3-10-.02(9)(b)</p> <p>ADEM Admin. Code r. 335-3-10-.02(9)(b)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-10-.02(9)(b) and ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR §60.115b(a)(2)</p>

Federally Enforceable Provisos	Regulations
<p>(ii) Submit a report to Air Division within 30 days of a visual inspection if any of the conditions described in 40 CFR §60.113b(a)(2) are detected. The report shall identify the tank; the nature of the defects; and the date the tank was emptied or the nature of and date the repair was made.</p>	<p>40 CFR §60.115b(a)(3)</p>
<p>(iii) Maintain a record of the dimension of each tank and an analysis showing the capacity of the tank. These records shall be maintained for the life of each tank.</p>	<p>40 CFR §60.116b(a) and 40 CFR §60.116b(b)</p>
<p>(iv) Maintain a record of the type of VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. These records shall be maintained in a permanent form suitable for inspection for a period of five years from the date of generation.</p>	<p>40 CFR §60.116b(c)</p>
<p>(b) The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31th). The report shall include a statement certifying no product was stored that exceeded the vapor pressure limit specified in Section 2 above during the reporting period.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Emission Unit Nos. 016 and 017 (Tank Nos. 1114 and 1115)

Summary Page

Description: Two (2) vertical fixed roof storage tanks

Emission Unit No.	Tank No.	Shell Capacity (Gallons)	Seal Type	Product
016	1114	420,000	N/A	General VOC Storage
017	1115	420,000	N/A	General VOC Storage

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

Emission Unit No.	Description	Pollutant	Emission Limit	Regulation
016	Tank No. 1114	VOC	Product TVP <1.5 psia	ADEM Admin. Code r. 335-3-6-.03 (SIP)
017	Tank No. 1115			

Emission Unit Nos. 016 and 017 (Tank Nos. 1114 and 1115)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>These tanks are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p>	ADEM Admin. Code r. 335-3-16-.03
<p>2. <u>Emission Standards</u></p> <p>The permittee shall not store any product with a vapor pressure of 1.5 psia or greater, unless these tanks have been equipped with one of the following:</p> <ul style="list-style-type: none"> (i) a vapor recovery system, (ii) a floating roof, (iii) any other approved control device. <p>Approval from the Air Division shall be obtained prior to installing any control device.</p>	ADEM Admin. Code r. 335-3-6-.03
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>There are no applicable compliance and performance test method requirements for these tanks.</p>	N/A
<p>4. <u>Emission Monitoring</u></p> <p>The permittee shall certify semiannually that no product was stored in these tanks that exceeded the vapor pressure limit specified in Section 2 above.</p>	ADEM Admin. Code r. 335-3-16-.05(c)
<p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The permittee shall maintain a record of the type of VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. These records shall be maintained in a permanent form suitable for inspection for a period of five years from the date of generation.</p> <p>(b) The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1st – June 30th and July 1st – December 31th). The report shall include a statement certifying no product was stored that exceeded the vapor pressure limit specified in Section 2 above during the reporting period.</p>	ADEM Admin. Code r. 335-3-16-.05(c) ADEM Admin. Code r. 335-3-16-.05(c)

Emission Unit No. 018 (Volatile Organic Materials Truck Loading Operations)

Summary Page

Description: Volatile Organic Materials Truck Loading Operations

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

Emission Unit No.	Description	Pollutant	Emission Limit	Regulation
018	Volatile Organic Materials Truck Loading Operations	VOC	<p>Product Throughput Limitation:</p> <p>2,284,170 gallons of crude oil during any consecutive 12-month period</p>	<p>ADEM Admin. Code r. 335-3-14-.04 (SMS)</p>

Emission Unit No. 018 (Volatile Organic Materials Truck Loading Operations)
Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) The truck loading operation is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This truck loading operation is subject to the applicable requirements of ADEM Admin. Code r. 335-3-6-.03 "Loading and Storage of VOC" and ADEM Admin. Code r. 335-3-6-.09, "Pumps and Compressors."</p> <p>(c) This truck loading operation is subject to a synthetic minor source emission limit to restrict its potential to emit below the applicability threshold established at ADEM Admin. Code r. 335-3-14-.04, Air Permits Authorizing Construction in Clean Areas [Prevention of Significant Deterioration (PSD)].</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-6-.03 and ADEM Admin. Code r. 335-3-6-.09</p> <p>ADEM Admin. Code r. 335-3-14-.04</p>
<p>2. <u>Emission Standards</u></p> <p>(a) All pumps employed in the handling of volatile organic compounds shall retain mechanical seals.</p> <p>(b) The permittee shall achieve 95% submerged fill while loading all products with a true vapor pressure ≥ 1.5 psia. This shall be achieved either with a submerged fill pipe or equivalent method.</p> <p>(c) The permittee shall not load more than 2,284,170 gallons of crude oil at this truck loading operation during any consecutive 12-month period.</p>	<p>ADEM Admin. Code r. 335-3-6-.09</p> <p>ADEM Admin. Code r. 335-3-6-.03</p> <p>ADEM Admin. Code r. 335-3-14-.04</p>
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>There are no unit specific compliance or performance test methods or procedures applicable to the truck loading operations.</p>	<p>N/A</p>
<p>4. <u>Emission Monitoring</u></p> <p>Within 15 days of the end of each calendar month, the permittee shall calculate the crude oil throughput for the truck loading operation for the previous calendar month and previous consecutive 12-month period and shall determine compliance with the throughput limitation for the previous consecutive 12-month period.</p>	<p>ADEM Admin. Code r. 335-3-14-.04</p>

Federally Enforceable Provisos	Regulations
<p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The permittee shall maintain records of the crude oil throughput on a monthly and 12-month rolling total basis. These records shall be in a permanent form suitable for inspection and shall be retained for a period of five years from the date of generation of each record.</p> <p>(b) The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each quarterly reporting period (January 1st – June 30th and July 1st – December 31th). As part of this report, the permittee shall:</p> <p>(i) Submit a certification that all pumps employed in the handling of volatile organic compounds retained mechanical seals.</p> <p>(ii) Submit a certification that 95% submerged fill was achieved while loading all products with a true vapor pressure \geq 1.5 psia.</p> <p>(iii) Submit a summary of the crude oil throughput for the truck loading operation to include the monthly and 12-month rolling totals.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Emission Unit No. 019 (Volatile Organic Materials Marine Loading Operations)

Summary Page

Description: Volatile Organic Materials Marine Loading Operations

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

Emission Unit No.	Description	Pollutant	Emission Limit	Regulation
019	Volatile Organic Materials Marine Loading Operations	VOC	N/A	N/A

Emission Unit No. 019 (Volatile Organic Materials Marine Loading Operations)
Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) This marine loading operation is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This marine loading operation is subject to the applicable requirements of ADEM Admin. Code r. 335-3-6-.09, "Pumps and Compressors."</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-6-.09</p>
<p>2. <u>Emission Standards</u></p> <p>All pumps employed in the handling of volatile organic compounds shall retain mechanical seals.</p>	<p>ADEM Admin. Code r. 335-3-6-.09</p>
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>There are no unit specific compliance or performance test methods or procedures applicable to the marine loading operations.</p>	<p>N/A</p>
<p>4. <u>Emission Monitoring</u></p> <p>There are no unit specific emission monitoring requirements applicable to the marine loading operations.</p>	<p>N/A</p>
<p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>The permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each quarterly reporting period (January 1st – June 30th and July 1st – December 31th). As part of this report, the permittee shall submit a certification that all pumps employed in the handling of volatile organic compounds retained mechanical seals.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Emission Unit No. 020 (Emergency Generator)

Summary Page

Description: 250 hp Cummins diesel-fired emergency compression ignition internal combustion engine operating as an emergency generator

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

Emission Unit No.	Description	Pollutant	Emission Limit	Regulation
020	250 hp Cummins, Model No. QSB7-G3 NR3, diesel-fired compression ignition emergency engine operating as an emergency generator	HAP	N/A	40 CFR Part 63, Subpart ZZZZ
		NMHC + NO _x	4.0 g/kW-hr	40 CFR Part 60, Subpart IIII
		VOC	N/A	
		CO	3.5 g/kW-hr	
		PM	0.20 g/kW-hr	

Emission Unit No. 020 (Emergency Generator)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
1. <u>Applicability</u>	
(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-16-.03
(b) This unit is an affected source under 40 CFR Part 63, Subpart ZZZZ, the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, and 40 CFR Part 63, Subpart A, General Provisions.	ADEM Admin. Code r. 335-3-11-.06(103); 40 CFR Part 63, Subpart ZZZZ
(c) This unit is subject to the applicable requirements under 40 CFR Part 60, Subpart III, the Standards of Performance for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE), and meets the definition for an emergency stationary CI ICE as defined by 40 CFR §60.4219. The permittee shall only operate this unit as an emergency stationary ICE as provided by 40 CFR §60.4211(f).	ADEM Admin. Code r. 335-3-10-.02(87); 40 CFR Part 60, Subpart III
2. <u>Emission Standards</u>	
(a) The permittee shall not cause or allow the combined emissions of non-methane hydrocarbons and nitrogen oxides to exceed 4.0 g/kW-hr.	40 CFR §60.4202(a)(2)
(b) The permittee shall not cause or allow emissions of carbon monoxide to exceed 3.5 g/kW-hr.	40 CFR §60.4202(a)(2)
(c) The permittee shall not cause or allow emissions of particulate to exceed 0.20 g/kW-hr.	40 CFR §60.4202(a)(2)
(d) The permittee shall not burn any diesel fuel in this unit that does not meet the following per-gallon standards of 40 CFR §80.510(b) for nonroad diesel:	40 CFR §60.4207
(i) Sulfur content ≤15 ppm; and	
(ii) Cetane index ≥40 or aromatic content ≤35% by volume.	
(d) The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from this unit. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from this unit.	ADEM Admin. Code r. 335-3-4-.01(1)
3. <u>Compliance and Performance Test Methods and Procedures</u>	
(a) If testing is required, opacity shall be determined by 40 CFR Part 60, Appendix A, Reference Method 9.	ADEM Admin. Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p>(b) The permittee shall operate and maintain the certified stationary SI ICE to the manufacturer's emission-related written instructions, change only those emission-related settings that are permitted by the manufacturer, and meet the requirements specified in 40 CFR Parts 89, 94, and/or 1068, as they apply.</p>	40 CFR §60.4211
<p>4. <u>Emission Monitoring</u></p>	
<p>(a) This unit shall be equipped with a non-resettable hour meter.</p>	40 CFR §60.4209(a)
<p>(b) The permittee shall not operate this unit except as provided in 40 CFR §60.4211(f)(1) through (f)(3), which includes but may not be limited to:</p> <p>(i) Emergency situations;</p> <p>(ii) Operate the emergency stationary CI ICE 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, the regional transmission organization, or the insurance company associated with the engine. The emergency stationary CI ICE may be operated for emergency demand response purposes or during periods where there is a voltage or frequency deviation of 5 percent or greater. The permittee is limited to 100 hours per calendar year for any combination of the purposes previously stated.</p> <p>(iii) Operate the emergency stationary CI ICE up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted toward the 100 hours per year provided for maintenance and testing and emergency demand response. Except as provided by 40 CFR §60.4211(f)(3)(i), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, 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.</p>	40 CFR §60.4211(f)
<p>5. <u>Recordkeeping and Reporting Requirements</u></p>	
<p>The permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during the time.</p>	40 CFR §60.4214

Emission Unit No. 021 (Emergency Fire Water Pump No. 1)

Summary Page

Description: One (1) 220 hp Power Tech diesel-fired emergency compression ignition internal combustion engine operating as a firewater pump

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

Emission Unit No.	Description	Pollutant	Emission Limit	Regulation
021	220 hp Power Tech, Model No. 6068, diesel-fired emergency compression ignition internal combustion engine operating as a firewater pump	HAP	N/A	40 CFR Part 63, Subpart ZZZZ
		NO _x		
		CO		
		VOC		
		SO ₂		
		PM		

Emission Unit No. 021 (Emergency Fire Water Pump No. 1)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) This unit is an affected source under 40 CFR Part 63, Subpart ZZZZ, the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), and meets the definition for an emergency stationary RICE as defined by 40 CFR §63.6675. The permittee shall only operate this unit as an emergency stationary RICE provided by 40 CFR §63.6640(f).</p> <p>2. <u>Emission Standards</u></p> <p>(a) The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from this unit. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from this unit.</p> <p>(b) The permittee shall comply with the applicable requirements of 40 CFR §63.6603 and Table 2d to Subpart ZZZZ, which includes, but may not be limited to:</p> <p>(i) Meet the following work practice requirements, except during periods of startup:</p> <p style="margin-left: 40px;">A. Change oil and filter every 500 hours of operation or annually, whichever comes first;</p> <p style="margin-left: 40px;">B. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and</p> <p style="margin-left: 40px;">C. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.</p> <p>(ii) During periods of startup, minimize the engine’s time spent at idle and minimize the engine’s 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.</p> <p>(iii) If a unit is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required, or if</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(103); 40 CFR Part 63, Subpart ZZZZ</p> <p>ADEM Admin. Code r. 335-3-4-.01(1)</p> <p>40 CFR §63.6603</p> <p>Table 2d of Subpart ZZZZ</p>

Federally Enforceable Provisos	Regulations
<p>performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated.</p>	
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p>	
<p>(a) If testing is required, opacity shall be determined by 40 CFR Part 60, Appendix A, Reference Method 9.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(b) The permittee shall operate and maintain this unit according to the manufacturer's emission-related written instructions or develop a maintenance plan that provides for, to the extent practicable, the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.</p>	<p>40 CFR §63.6625(e) and 40 CFR §63.6640(a)</p>
<p>4. <u>Emission Monitoring</u></p>	
<p>(a) This unit shall be equipped with a non-resettable hour meter.</p>	<p>40 CFR §63.6625(f)</p>
<p>(b) The permittee shall not operate this unit except as provided in 40 CFR §63.6640(f)(1) through (f)(4), which includes but may not be limited to:</p>	<p>40 CFR §63.6640(f)</p>
<p>(i) Emergency situations;</p>	
<p>(ii) Operate the 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 engines. Maintenance checks and readiness testing of the units are limited to 100 hours per year; and</p>	
<p>(iii) Operate the emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted toward 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 eclectic grid or otherwise supply power as part of a financial arrangement with another entity.</p>	
<p>5. <u>Recordkeeping and Reporting Requirements</u></p>	
<p>(a) The permittee shall keep records of the hours of operation and maintenance of this unit in accordance with 40 CFR §63.6655. At a minimum, these records shall include:</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §63.6655</p>
<p>(i) For each period of operation, the length of operation and</p>	

Federally Enforceable Provisos	Regulations
<p>the reason the engine was in operation during that time. For periods of operation designated as “emergency operation,” the records shall reflect what classified the operation as emergency;</p> <p>(ii) The total number of hours the engine was operated during a calendar year subtotaled by the reason the engine was in operation;</p> <p>(iii) The dates of each oil and filter change with the corresponding hour on the hour meter;</p> <p>(iv) The dates of each inspection and replacement of air cleaners, hoses, and belts with the corresponding hour on the hour meter; and</p> <p>(v) The dates and nature of other emission-related repairs and maintenance performed.</p> <p>(b) The permittee shall maintain files of all information (including all reports and notifications) required by 40 CFR Part 63, Subparts A and ZZZZ for this unit in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on-site. The remaining 3 years of data may be retained off-site.</p> <p>(c) The permittee shall report to the Air Division any failure to perform a work practice on the schedule required, including instances when the work practice standard was not performed due to emergency operation or unacceptable risk under a federal, state, or local law. The permittee shall submit the report within two working days of the deviation and shall provide an explanation as to why the work practice requirement was not performed.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c), 40 CFR §63.6660 and 40 CFR §63.10(b)(1)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §63.6640(b)</p>

Emission Unit Nos. 022 and 023 (Cargo Pump Nos. 1 and 2)

Summary Page

Description: Two (2) 265 hp Detroit diesel-fired compression ignition internal combustion engines

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

Emission Unit No.	Description	Pollutant	Emission Limit	Regulation
022	265 hp Detroit (Model No. 7083-7000) diesel-fired compression ignition internal combustion engine [Cargo Pump No. 1]	HAP	N/A	40 CFR Part 63, Subpart ZZZZ
		NO _x		
		CO		
		VOC		
		SO ₂		
		PM		
023	265 hp Detroit (Model No. 7083-7000) diesel-fired compression ignition internal combustion engine [Cargo Pump No. 2]	HAP	N/A	40 CFR Part 63, Subpart ZZZZ
		NO _x		
		CO		
		VOC		
		SO ₂		
		PM		

Emission Unit Nos. 022 and 023 (Cargo Pump Nos. 1 and 2)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) These units are affected sources under 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, and the applicable requirements of 40 CFR Part 63, Subpart A, General Provisions as provided in Table 8 to Subpart ZZZZ.</p> <p>2. <u>Emission Standards</u></p> <p>(a) The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from these units. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from these units.</p> <p>(a) The permittee shall comply with the applicable requirements of 40 CFR §63.6603 and Table 2d to Subpart ZZZZ, which include, but may not be limited to:</p> <p>(i) Meet the following work practice requirements, except during periods of startup:</p> <p style="margin-left: 40px;">A. Change oil and filter every 1,000 hours of operation or annually, whichever comes first;</p> <p style="margin-left: 40px;">B. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and</p> <p style="margin-left: 40px;">C. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.</p> <p>(ii) During periods of startup, minimize the engine’s time spent at idle and minimize the engine’s 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.</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, opacity shall be determined by 40 CFR Part 60, Appendix A, Reference Method 9.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(103) and 40 CFR Part 63, Subpart ZZZZ</p> <p>ADEM Admin. Code r. 335-3-4-.01(1)</p> <p>40 CFR §63.6603(a) and Table 2d of Subpart ZZZZ</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>(b) The permittee shall operate and maintain the these units according to the manufacturer's emission-related written instructions or develop a maintenance plan that provides for, to the extent practicable, the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.</p>	<p>40 CFR §63.6625(e) and 40 CFR §63.6640(a)</p>
<p>4. <u>Emission Monitoring</u></p> <p>There are no applicable emission monitoring requirements under 40 CFR Part 63, Subpart ZZZZ.</p>	<p>N/A</p>
<p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>(a) The permittee shall keep records of the operation and maintenance of these units in accordance with 40 CFR §63.6655. At a minimum, these records shall include:</p> <ul style="list-style-type: none"> (i) A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted, according to the requirement in 40 CFR §63.10(b)(2)(xiv); (ii) Records of the occurrence and duration of each malfunction of operation or the air pollution control and monitoring equipment; (iii) Records of performance tests and performance evaluations as required in 40 CFR §63.10(b)(2)(viii); (iv) Records of all required maintenance performed on the air pollution control and monitoring equipment; and (v) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation. <p>(b) The permittee shall maintain on-site for the life of each unit either a copy of the manufacturer's emission-related operation and maintenance instructions for each unit or the maintenance plan developed in accordance with 40 CFR §63.6625(e) for these units.</p> <p>(c) The permittee shall maintain files of all information (including all reports and notifications) required by 40 CFR Part 63, Subparts A and ZZZZ for these units recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on-site. The remaining</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §63.6655</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c), 40 CFR §63.6660, and 40 CFR §63.10(b)(1)</p>

Federally Enforceable Provisos	Regulations
<p>3 years of data may be retained off-site.</p> <p>(d) The permittee shall report to the Air Division any failure to perform a work practice on the schedule required, including instances when the work practice standard was not performed due to emergency operation or unacceptable risk under a federal, state, or local law. The Permittee shall submit the report within two working days of the deviation and shall provide an explanation as to why the work practice requirement was not performed.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c), and 40 CFR §63.6640(b)</p>

Emission Unit Nos. 024 and 025 (Stormwater Pump Nos. 1 and 2)

Summary Page

Description: Two (2) diesel-fired compression ignition internal combustion engines operating as stormwater pumps

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

Emission Unit No.	Description	Pollutant	Emission Limit	Regulation
024	111 hp Perkins (Model No. GN66010N) compression ignition internal combustion engine [Stormwater Pump No. 1]	HAP	N/A	40 CFR Part 63, Subpart ZZZZ
		NO _x + NMHC	4.0 g/kW-hr	40 CFR Part 60, Subpart IIII
		CO	5.0 g/kW-hr	
		VOC	N/A	
		SO ₂	N/A	
		PM	0.30 g/kW-hr	
025	74 hp John Deere (Model No. 4045TF290A) compression ignition internal combustion engine [Stormwater Pump No. 2]	HAP	N/A	40 CFR Part 63, Subpart ZZZZ
		NO _x	4.7 g/kW-hr	40 CFR Part 60, Subpart IIII
		CO	N/A	
		VOC	5.0 g/kW-hr	
		SO ₂	N/A	
		PM	0.30 g/kW-hr	

Emission Unit Nos. 024 and 025 (Stormwater Pump Nos. 1 and 2)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) These units are affected sources under 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, and the applicable requirements of 40 CFR Part 63, Subpart A, General Provisions as provided in Table 8 to Subpart ZZZZ.</p> <p>(c) These units are considered affected sources under 40 CFR Part 60, Subpart III, the Standards of Performance for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE).</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(103); 40 CFR Part 63, Subpart ZZZZ</p> <p>ADEM Admin. Code r. 335-3-10-.02(87) and 40 CFR Part 60, Subpart III</p>
<p>2. <u>Emission Standards</u></p> <p>(a) For the 111 hp Perkins CI ICE [Stormwater Pump No. 1], the permittee shall meet the following emission standards:</p> <p>(i) A nitrogen oxides (NOx) plus non methane hydrocarbons (NMHC) emission standard of 4.0 g/kW-hr.</p> <p>(ii) A carbon monoxide (CO) emission standard of 5.0 g/kW-hr.</p> <p>(iii) A particulate matter (PM) emission standard of 0.30 g/kW-hr.</p> <p>(b) For the 74 hp John Deere CI ICE [Stormwater Pump No. 2], the permittee shall meet the following emission standards:</p> <p>(i) A nitrogen oxides (NOx) plus non methane hydrocarbons (NMHC) emission standard of 4.7 g/kW-hr.</p> <p>(ii) A carbon monoxide (CO) emission standard of 5.0 g/kW-hr.</p> <p>(iii) A particulate matter (PM) emission standard of 0.30 g/kW-hr.</p> <p>(c) The permittee shall only fire diesel fuel in these units that meets the following requirements specified in 40 CFR §80.510(b) for nonroad diesel fuel:</p>	<p>Table 1 of 40 CFR §89.112</p> <p>40 CFR §4204(b), 40 CFR §60.4201(a), and Table 3 of 40 CFR §1039.102</p> <p>40 CFR §60.4207(b)</p>

Federally Enforceable Provisos	Regulations
<p>(i) Sulfur content ≤ 15 ppm; and</p> <p>(ii) Cetane index ≥ 40 or aromatic content $\leq 35\%$ by volume.</p> <p>(d) The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from these units. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from these units.</p>	<p>ADEM Admin. Code r. 335-3-4-.01(1)</p>
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p>	
<p>(a) If testing is required, opacity shall be determined by 40 CFR Part 60, Appendix A, Reference Method 9.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(b) If testing is required, nitrogen oxides (NO_x) emission rate of these units shall be determined by EPA Reference Methods 1, 2, 3 and 4 or 19, and EPA Reference Method 7E in Appendix A of 40 CFR Part 60. Alternate test methods may be used provided prior approval by the Air Division is granted.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(c) If testing is required, carbon monoxide (CO) emission rate of these units shall be determined by EPA Reference Methods 1, 2, 3 and 4 or 19, and EPA Reference Method 10 in Appendix A of 40 CFR Part 60. Alternate test methods may be used provided prior approval by the Air Division is granted.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(d) If testing is required, volatile organic compounds (VOC) emission rates of these units shall be determined by EPA Reference Methods 1, 2, 3 and 4 or 19, and EPA Reference Methods 25A and/or 18 in Appendix A of 40 CFR Part 60. Alternate test methods may be used provided prior approval by the Air Division is granted.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(e) The permittee shall operate and maintain these units according to the manufacturer's emission-related written instructions, change only those emission-related settings that are permitted by the manufacturer, and meet the requirements specified in 40 CFR Parts 89, 94, and/or 1068, as they apply.</p>	<p>40 CFR §60.4211(a)</p>
<p>(f) The permittee shall comply with the emission standards specified in Section 2 above by purchasing an engine certified to meet these standards and by installing and configuring the engine according the manufacturer's emission related specifications.</p>	<p>40 CFR §60.4211(c)</p>
<p>(g) If these engines are not installed, configured, operated, and maintained according to the manufacturer's emission-related instructions, or the emission-related settings are changed in a way that is not permitted by the manufacturer, the permittee shall demonstrate compliance according to the requirements specified in 40 CFR §60.4211(g)(1) or (2).</p>	<p>40 CFR §60.4211(g)</p>

Federally Enforceable Provisos	Regulations
<p>4. <u>Emission Monitoring</u></p> <p>There are no applicable emission monitoring requirements specified in 40 CFR Part 60, Subpart III.</p>	N/A
<p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>There are no applicable recordkeeping requirements specified in 40 CFR Part 60, Subpart III.</p>	N/A

Emission Unit No. 026 (Emergency Firewater Pump No. 2)

Summary Page

Description: One (1) 154 hp John Deere diesel-fired emergency compression ignition internal combustion engine operating as a firewater pump

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission Limitations:

Emission Unit No.	Description	Pollutant	Emission Limit	Regulation
026	154 hp John Deere diesel-fired emergency compression ignition internal combustion engine [Emergency Firewater Pump No. 2]	HAP	N/A	40 CFR Part 63, Subpart ZZZZ
		NOx + NMHC	4.0 g/kW-hr (3.0 g/hp-hr)	40 CFR Part 60, Subpart IIII
		CO	5.0 g/kW-hr (3.7 g/hp-hr)	
		VOC	N/A	
		SO2	N/A	
		PM	0.3 g/kW-hr (0.22 g/hp-hr)	

Emission Unit No. 026 (Emergency Firewater Pump No. 2)

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Applicability</u></p> <p>(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) This unit is an affected source under 40 CFR Part 63, Subpart ZZZZ, the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, and Subpart A, General Provisions.</p> <p>(c) This unit is subject to the applicable requirements under 40 CFR Part 60, Subpart IIII, the Standards of Performance for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE), and meets the definition for an emergency stationary CI ICE as defined by 40 CFR §60.4219. The permittee shall only operate this unit as an emergency stationary ICE as defined in 40 CFR §60.4211(f).</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(103); 40 CFR Part 63, Subpart ZZZZ</p> <p>ADEM Admin. Code r. 335-3-10-.02(87); 40 CFR Part 60, Subpart IIII</p>
<p>2. <u>Emission Standards</u></p> <p>(a) The permittee shall not cause or allow the combined emissions of non-methane hydrocarbons and nitrogen oxides to exceed 4.0 g/kW-hr (3.0 g/HP-hr).</p> <p>(b) The permittee shall not cause or allow emissions of carbon monoxide to exceed 5.0 g/kW-hr (3.7 g/HP-hr).</p> <p>(c) The permittee shall not cause or allow emissions of particulate to exceed 0.30 g/kW-hr (0.22 g/HP-hr).</p> <p>(d) The permittee shall only fire diesel fuel in this unit that meets the following requirements specified in 40 CFR §80.510(b) for nonroad diesel fuel:</p> <p style="padding-left: 20px;">(i) Sulfur content ≤15 ppm; and</p> <p style="padding-left: 20px;">(ii) Cetane index ≥40 or aromatic content ≤35% by volume.</p> <p>(e) The permittee shall not discharge more than one six-minute average opacity greater than 20% during any 60-minute period from this unit. At no time shall the permittee discharge a six-minute average opacity of particulate emissions greater than 40% from this unit.</p>	<p>40 CFR §60.4205(c) and Table 4 of Subpart IIII</p> <p>40 CFR §60.4205(c) and Table 4 of Subpart IIII</p> <p>40 CFR §60.4205(c) and Table 4 of Subpart IIII</p> <p>40 CFR §60.4207</p> <p>ADEM Admin. Code r. 335-3-4-.01(1)</p>

Federally Enforceable Provisos	Regulations
<p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, opacity shall be determined by 40 CFR Part 60, Appendix A, Reference Method 9.</p> <p>(b) If testing is required, nitrogen oxides (NOx) emission rate of this unit shall be determined by EPA Reference Methods 1, 2, 3 and 4 or 19, and EPA Reference Method 7E in Appendix A of 40 CFR Part 60. Alternate test methods may be used provided prior approval by the Air Division is granted.</p> <p>(c) If testing is required, carbon monoxide (CO) emission rate of this unit shall be determined by EPA Reference Methods 1, 2, 3 and 4 or 19, and EPA Reference Method 10 in Appendix A of 40 CFR Part 60. Alternate test methods may be used provided prior approval by the Air Division is granted.</p> <p>(d) If testing is required, volatile organic compounds (VOC) emission rates of this unit shall be determined by EPA Reference Methods 1, 2, 3 and 4 or 19, and EPA Reference Methods 25A and/or 18 in Appendix A of 40 CFR Part 60. Alternate test methods may be used provided prior approval by the Air Division is granted.</p> <p>(e) The permittee shall operate and maintain the certified stationary CI ICE according to the manufacturer's emission-related written instructions, change only those emission-related setting that are permitted by the manufacturer, and meet the requirements specified in 40 CFR Parts 89, 94, and/or 1068, as they apply.</p> <p>(f) The permittee shall comply with the emission standards specified in Section 2 above by purchasing an engine certified to meet these standards and by installing and configuring the engine according the manufacturer's emission related specifications.</p> <p>(g) If this engine is not installed, configured, operated, and/or maintained according to the manufacturer's emission-related instructions, or the emission-related settings are changed in a way that is not permitted by the manufacturer, the permittee shall demonstrate compliance according to the requirements specified in 40 CFR §60.4211(g)(2).</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>40 CFR §60.4211</p> <p>40 CFR §60.4211(c)</p> <p>40 CFR §60.4211(g)</p>

Federally Enforceable Provisos	Regulations
<p>4. <u>Emission Monitoring</u></p> <p>(a) The permittee would be required to install a non-resettable hour meter on this unit.</p> <p>(b) The permittee shall not operate this unit except as provided in 40 CFR §60.4211(f)(1) through (f)(3), which includes but may not be limited to:</p> <p>(i) Emergency situations;</p> <p>(ii) Operate the emergency stationary CI ICE 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, the regional transmission organization, or the insurance company associated with the engine. The emergency stationary CI ICE may be operated for emergency demand response purposes or during periods where there is a deviation of voltage or frequency as described in 40 CFR 60.4211(f)(2)(ii) and (iii). The permittee shall is limited to 100 hours per calendar year for any combination of the purposes previously stated.</p> <p>(iii) Operate the emergency stationary CI ICE up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted toward the 100 hours per year provided for maintenance and testing and emergency demand response. Except as provided by 40 CFR §60.4211(f)(3)(i), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, 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.</p>	<p>40 CFR §60.4209(a)</p> <p>40 CFR §60.4211(f) and Table 4 of Subpart III</p>
<p>5. <u>Recordkeeping and Reporting Requirements</u></p> <p>The permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during the time. The permittee shall records the time of operation and the reason the engine was operated during that time.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §60.4214(b)</p>