



MAJOR SOURCE OPERATING PERMIT

Permitee: **Bunge North America, Inc.**

Facility Name: **Bunge North America, Inc.**

Facility No.: 712-0026

Location: Decatur, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol. and 2007 Cum. Supp.), and rules and regulations adopted thereunder, 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	5
SUMMARY PAGE FOR SOYBEAN RECEIVING, STORAGE & CLEANING	24
PROVISOS FOR SOYBEAN RECEIVING, STORAGE & CLEANING.....	25
<i>Applicability</i>	<i>25</i>
<i>Emission Standards.....</i>	<i>25</i>
<i>Compliance and Performance Test Methods and Procedures</i>	<i>26</i>
<i>Emission Monitoring.....</i>	<i>27</i>
<i>Recordkeeping and Reporting Requirements</i>	<i>27</i>
SUMMARY PAGE FOR DRYING OPERATION.....	29
PROVISOS FOR DRYING OPERATION	30
<i>Applicability</i>	<i>30</i>
<i>Emission Standards.....</i>	<i>30</i>
<i>Compliance and Performance Test Methods and Procedures</i>	<i>30</i>
<i>Emission Monitoring.....</i>	<i>31</i>
<i>Recordkeeping and Reporting Requirements</i>	<i>31</i>
SUMMARY PAGE FOR SOYBEAN PREPARATION	32
PROVISOS FOR SOYBEAN PREPARATION	34
<i>Applicability</i>	<i>34</i>
<i>Emission Standards.....</i>	<i>34</i>
<i>Compliance and Performance Test Methods and Procedures</i>	<i>34</i>
<i>Emission Monitoring.....</i>	<i>35</i>
<i>Recordkeeping and Reporting Requirements</i>	<i>35</i>
SUMMARY PAGE FOR MEAL & HULL PROCESSING, STORAGE, & LOADOUT	37
PROVISOS FOR MEAL & HULL PROCESSING, STORAGE, & LOADOUT	39
<i>Applicability</i>	<i>39</i>
<i>Emission Standards.....</i>	<i>39</i>
<i>Compliance and Performance Test Methods and Procedures</i>	<i>40</i>

<i>Emission Monitoring</i>	40
<i>Recordkeeping and Reporting Requirements</i>	41
SUMMARY PAGE FOR EXTRACTION PROCESS BOILERS	43
PROVISOS FOR EXTRACTION PROCESS BOILERS	44
<i>Applicability</i>	44
<i>Emission Standards</i>	44
<i>Compliance and Performance Test Methods and Procedures</i>	45
<i>Emission Monitoring</i>	45
<i>Recordkeeping and Reporting Requirements</i>	45
SUMMARY PAGE FOR SOLVENT EXTRACTION PROCESS	47
PROVISOS FOR SOLVENT EXTRACTION PROCESS	48
<i>Applicability</i>	48
<i>Emission Standards</i>	48
<i>Compliance and Performance Test Methods and Procedures</i>	49
<i>Emission Monitoring</i>	53
<i>Recordkeeping and Reporting Requirements</i>	53
SUMMARY PAGE FOR EDIBLE OIL REFINING PROCESS	57
PROVISOS FOR EDIBLE OIL REFINING PROCESS	59
<i>Applicability</i>	59
<i>Emission Standards</i>	59
<i>Compliance and Performance Test Methods and Procedures</i>	60
<i>Emission Monitoring</i>	62
<i>Recordkeeping and Reporting Requirements</i>	62
SUMMARY PAGE FOR EDIBLE OIL PACKAGING PLANT BOILER	65
PROVISOS FOR EDIBLE OIL PACKAGING PLANT BOILER	66
<i>Applicability</i>	66
<i>Emission Standards</i>	66
<i>Compliance and Performance Test Methods and Procedures</i>	67

<i>Emission Monitoring.....</i>	<i>67</i>
<i>Recordkeeping and Reporting Requirements.....</i>	<i>67</i>
SUMMARY PAGE FOR EMERGENCY FIRE PUMP ENGINES.....	68
<i>Applicability.....</i>	<i>69</i>
<i>Emission Standards.....</i>	<i>69</i>
<i>Compliance and Performance Test Methods and Procedures</i>	<i>70</i>
<i>Emission Monitoring.....</i>	<i>70</i>
<i>Recordkeeping and Reporting Requirements.....</i>	<i>70</i>
APPENDIX A.....	72
CAM PLAN FOR EMISSION POINTS PR-1, PR-2, PR-4, PR-5, AND PR-7.....	73
<i>Indicator.....</i>	<i>73</i>
<i>Indicator Range.....</i>	<i>73</i>
<i>Performance Criteria</i>	<i>73</i>
CAM PLAN FOR EMISSION POINTS MH-1, MH-4, MH-5, MH-6, AND MH-7	75
<i>Indicator.....</i>	<i>75</i>
<i>Indicator Range.....</i>	<i>75</i>
<i>Performance Criteria</i>	<i>75</i>

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 Rule 335-3-16-.13(1)(a)5.</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>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, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</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</p>	<p>Rule 335-3-16-.02(6)</p> <p>Rule 335-3-16-.12(2)</p> <p>Rule 335-3-16-.05(e)</p> <p>Rule 335-3-16-.05(f)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>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>Rule 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>Rule 335-3-16-.05(h)</p>
<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	<p>Rule 335-3-16-.05(i)</p>
<p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p>	<p>Rule 335-3-16-.05(j)</p>
<p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	<p>Rule 335-3-16-.05(k)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>9. <u>Certification of Truth, Accuracy, and Completeness:</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p> <p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"> (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. 	<p>Rule 335-3-16-.07(a)</p> <p>Rule 335-3-16-.07(b)</p> <p>Rule 335-3-16-.07(c)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</p> <p>12. <u>Compliance Certification</u></p> <p>A compliance certification shall be submitted on or before DRAFT of each calendar year and shall cover the period between DRAFT of the previous year and DRAFT of the current year.</p> <p>(a) The compliance certification shall include the following:</p> <ol 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); (4) Whether compliance has been continuous or intermittent; (5) Such other facts as the Department may require to determine the compliance status of the source; <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</p> <p style="text-align: center;">and to:</p> <p style="text-align: center;">Air Enforcement & Toxics Branch EPA Region 4</p>	<p>Rule 335-3-16-.07(e)</p>

Federally Enforceable Provisos	Regulations
<p style="text-align: center;">61 Forsyth Street, SW Atlanta, GA 30303</p>	
<p>13. <u>Reopening for Cause</u></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>Rule 335-3-16-.13(5)</p>
<p>14. <u>Additional Rules and Regulations</u></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), Code of Alabama 1975, as amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<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 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>Rule 335-3-1-.07(1), (2)</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<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), Code of Alabama 1975, 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>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>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<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></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 and .14</p>
<p>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>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>

Federally Enforceable Provisos	Regulations
<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 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working day of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p>	<p>Rule 335-3-16-.05(c)3</p>
<p>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>(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</p>	<p>Rule 335-3-1-.05(3) Rule 335-3-1-.04(1)</p> <p>Rule 335-3-1-.04</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>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>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>Rule 335-3-1-.04</p>
<p>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>	<p>Rule 335-1-7-.04</p>
<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>	<p>Rule 335-3-1-.04(1)</p>
<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</p>	<p>40 CFR Part 82</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>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>	
<p>26. <u>Chemical Accidental Prevention Provisions</u></p> <p>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:</p> <ul style="list-style-type: none"> (a) The owner or operator shall comply with the provisions in 40 CFR Part 68. (b) The owner or operator shall submit one of the following: <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>40 CFR Part 68</p>
<p>27. <u>Display of Permit</u></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 will be made readily available for inspection by any or all persons who may request to see it.</p>	<p>Rule 335-3-14-.01(1)(d)</p>
<p>28. <u>Circumvention</u></p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>	<p>Rule 335-3-1-.10</p>
<p>29. <u>Visible Emissions</u></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>Rule 335-3-4-.01(1)</p>
<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 Rule 335-3-4-.03.</p> <p>(b) 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 Rule 335-3-5-.01.</p>	<p>Rule 335-3-4-.03</p> <p>Rule 335-3-5-.01</p>
<p>31. <u>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 Rule 335-3-4-.04.</p>	<p>Rule 335-3-4-.04</p>
<p>32. <u>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</p>	<p>Rule 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>be the nominal time required by the specific test method.</p>	
<p>33. <u>Compliance Assurance Monitoring (CAM)</u></p> <p>Conditions (a) through (d) that follow are general conditions applicable to emissions units that are subject to the CAM requirements. Specific requirements related to each emissions unit are contained in the unit specific provisos and the attached CAM appendices.</p> <p>(a) Operation of Approved Monitoring</p> <p>(1) <i>Commencement of operation.</i> The owner or operator shall conduct the monitoring required under this section and detailed in the unit specific provisos and CAM appendix of this permit (if required) upon issuance of the permit, or by such later date specified in the permit pursuant to §64.6(d).</p> <p>(2) <i>Proper maintenance.</i> At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.</p> <p>(3) <i>Continued operation.</i> Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of</p>	<p>40 CFR 64</p> <p>40 CFR 64.7</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.</p> <p>(4) <i>Response to excursions or exceedances.</i> (a) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable. (b) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.</p> <p>(5) <i>Documentation of need for improved monitoring.</i> After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation</p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the Department and, if necessary, submit a proposed modification to the permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.</p>	
<p>(b) Quality Improvement Plan (QIP) Requirements</p> <p>(1) Based on the results of a determination made under Section 33(a)(4)(b) above, the Administrator or the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with 40 CFR §64.6(c)(3), the permit may specify an appropriate threshold, such as an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, for requiring the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices.</p> <p>(2) Elements of a QIP:</p> <ul style="list-style-type: none"> a. The owner or operator shall maintain a written QIP, if required, and have it available for inspection. b. The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the 	<p>40 CFR 64.8</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate:</p> <ul style="list-style-type: none"> i. Improved preventive maintenance practices. ii. Process operation changes. iii. Appropriate improvements to control methods. iv. Other steps appropriate to correct control performance. v. More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (2)(b)(i) through (iv) above). <p>(3) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.</p> <p>(4) Following implementation of a QIP, upon any subsequent determination pursuant to Section 33(a)(4)(b) above, the Department may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have:</p> <ul style="list-style-type: none"> a. Failed to address the cause of the control device performance problems; or b. Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. <p>(5) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or</p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.</p> <p>(c) Reporting and Recordkeeping Requirements</p> <p>(1) <i>General reporting requirements</i></p> <p>a. On and after the date specified in Section 33(a)(1) above by which the owner or operator must use monitoring that meets the requirements of this part, the owner or operator shall submit monitoring reports to the permitting authority in accordance with ADEM Admin. Code r. 335-3-16-.05(c)3.</p> <p>b. A report for monitoring under this part shall include, at a minimum, the information required under ADEM Admin. Code r. 335-3-16-.05(c)3. and the following information, as applicable:</p> <p>i. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;</p> <p>ii. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and</p> <p>iii. A description of the actions taken to implement a QIP during the reporting period as specified in Section 33(b) above. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the</p>	<p>40 CFR 64.9</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p style="text-align: center;">likelihood of similar levels of excursions or exceedances occurring.</p> <p>(2) General recordkeeping requirements.</p> <ol style="list-style-type: none"> a. The owner or operator shall comply with the recordkeeping requirements specified in ADEM Admin. Code r. 335-3-16-.05(c)2.. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to Section 33(b) above and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). b. Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements. 	
<p>(d) Savings Provisions</p> <p>Nothing in this part shall:</p> <ol style="list-style-type: none"> a. Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act. The requirements of this part shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to 	<p>40 CFR 64.10</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Act, including monitoring in permits issued pursuant to title I of the Act. The purpose of this part is to require, as part of the issuance of a permit under title V of the Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part.</p> <p>b. Restrict or abrogate the authority of the Department to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but not limited to sections 114(a)(1) and 504(b), or state law, as applicable.</p> <p>c. Restrict or abrogate the authority of the Department to take any enforcement action under the Act for any violation of an applicable requirement or of any person to take action under section 304 of the Act.</p>	

Summary Page for Soybean Receiving, Storage & Cleaning

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
RS-1a	Rail Unloading Pits	PM	E=17.31P ^{0.16}	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
RS-1b	Truck Unloading Pits w/ Baghouse	PM	E=17.31P ^{0.16}	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
RS-2	Headhouse to Storage Tank Conveyor, Scales, Elevator Legs, Belt Conveyor w/ Baghouse	PM	E=17.31P ^{0.16}	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	0% (6-minute average)	40 CFR 60.302(c)
RS-3a	Marine Barge Loading w/ Baghouse	PM	E=17.31P ^{0.16}	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% (6-minute average)	40 CFR 60.302(c)
RS-3b	Barge Unloading and Aspirator of Unloading Conveyor w/ Baghouse	PM	0.023 g/dscm (0.01 gr/dscf)	40 CFR 60.302(b)
		Opacity	0% (6-minute average)	40 CFR 60.302(b)
RS-5 a-g	Soybean Storage Tanks (Atmospheric Vents)	PM	E=17.31P ^{0.16}	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
CD-1	Bean Cleaning and Process Tanks w/ Baghouse	PM	0.023 g/dscm (0.01 gr/dscf)	40 CFR 60.302(b)
		Opacity	0% (6-minute average)	40 CFR 60.302(b)

Provisos for Soybean Receiving, Storage & Cleaning Federally Enforceable Provisos	Regulations
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<p><u>Applicability</u></p> <ol style="list-style-type: none"> 1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>"Major Source Operating Permits"</i>. 2. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), <i>"Visible Emissions"</i>. 3. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), <i>"Process Industries – General"</i>. 4. The Barge Unloading Operations with Baghouse (RS-3b) and Bean Cleaning Process (CD-1) are subject to the applicable requirements of 40 CFR 60 Subpart DD, <i>"Standards of Performance for Grain Elevators"</i>. 5. The Barge Unloading Operations with Baghouse (RS-3b) and Bean Cleaning Process (CD-1) are subject to the applicable requirements of 40 CFR 60 Subpart A, <i>"General Provisions"</i>. 6. Barge Unloading Operations with Baghouse (RS-3b) has an enforceable limit in place in order to avoid being subject to the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, <i>"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"</i>. 7. Source CD-1 has an enforceable limit in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, <i>"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"</i>. 8. Barge Unloading Operations with Baghouse (RS-3b) is subject to the applicable requirements of 40 CFR 64, <i>"Compliance Assurance Monitoring"</i>. 	<p>Rule 335-3-16-.03</p> <p>Rule 335-3-4-.01(1)</p> <p>Rule 335-3-4-.04(1)</p> <p>§60.300(a)-(b)</p> <p>§60.1(a)</p> <p>Rule 335-3-14-.04 [Anti-PSD]</p> <p>Rule 335-3-14-.04 [BACT]</p> <p>§64.2</p>
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<p><u>Emission Standards</u></p> <ol style="list-style-type: none"> 1. Particulate emissions from these sources shall not exceed the allowable set by ADEM Admin. Code r. 335-3-4-.04(1). 2. Particulate emissions from baghouse CD-1 shall not exceed 0.002 grains per standard cubic foot (gr/scf). 	<p>Rule 335-3-4-.04(1)</p> <p>Rule 335-3-14-.04 [BACT]</p>
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Federally Enforceable Provisos	Regulations
3. Visible emissions from these sources shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1).	Rule 335-3-4-.01(1)
4. Sources CD-1 and RS-3b shall not discharge into the atmosphere any process emissions which: <ul style="list-style-type: none"> a) Contain particulate matter in excess of 0.023 g/dscm (0.01 gr/dscf). b) Exhibit greater than 0 percent opacity. 	§60.302(b)
5. Fugitive emissions shall not be discharged into the atmosphere from: <ul style="list-style-type: none"> a) Any grain handling operation which exhibits greater than 0 percent opacity. b) Any barge or ship loading station which exhibits greater than 20 percent opacity. 	§60.302(c)
6. Particulate emissions from the baghouse associated with the Barge Unloading Operations with Baghouse (RS-3b) shall not exceed 0.002 grains per dry standard cubic foot (gr/dscf) of exhaust air.	Rule 335-3-14-.04 [Anti-PSD]
7. Throughput shall not exceed 61,425,000 bushels/year during any consecutive 12-month period.	Rule 335-3-14-.04 [BACT]
8. The barge unloading station shall be operated as follows: <ul style="list-style-type: none"> a) The unloading leg shall be enclosed from the top (including the receiving hopper) to the center line of the bottom pulley, and ventilation to a control device shall be maintained on both sides of the leg and the grain receiving hopper. b) The total rate of air ventilated shall be at least 32.1 actual cubic meters per cubic meter of grain handling capacity (ca. 40 ft³/bu). c) Rather than meet the requirements of paragraphs (a) and (b) of this proviso, the facility may use other methods of emission control if it is demonstrated to the Department's satisfaction that they would reduce emissions of particulate matter to the same level or less. 	§60.302(d)
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p>2. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9.</p>	<p>Rule 335-3-1-.05</p>
<p><u>Emission Monitoring</u></p>	
<p>1. An instantaneous observation of visible emissions from the stacks associated with these units shall be conducted weekly while in operation.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>2. If any visible emissions are observed at any time from CD-1 or RS-3b, corrective action to reduce emissions shall be initiated within two (2) hours.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>3. If instantaneous visible emissions of an opacity greater than ten (10%) percent are observed at any time from RS-1a, 1b, 2, 3, or 5a-g, corrective action to reduce emissions shall be initiated within two (2) hours.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>4. After corrective action, a follow-up visible emissions check shall be conducted. If instantaneous visible emissions of an opacity greater than ten (10%) percent are observed, a visible emissions observation shall be conducted within thirty (30) minutes in accordance with 40 CFR 60 Appendix A, Method 9, for a minimum of 12 minutes. Further corrective action shall be taken to reduce emissions to an appropriate level.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>5. An observation of the pressure differential across the barge unloading baghouse (RS-3b) shall be conducted weekly while in operation.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>6. If the observed pressure differential is less than 0.5 in. H₂O or greater than 8.0 in. H₂O, corrective action shall be initiated within two (2) hours.</p>	<p>Rule 335-3-16-.05(c)</p>
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<p>1. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a form suitable for inspection for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.</p>	<p>Rule 335-3-16-.05(c)</p>
<p>2. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. These records shall be</p>	<p>Rule 335-3-16-.05(c)</p>

Federally Enforceable Provisos**Regulations**

maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.

3. Records of each pressure drop reading across a baghouse, as well as any corrective actions taken, shall be kept on file for at least five (5) years.
4. A semi-annual report shall be submitted to the Air Division according to the following reporting schedule:

Reporting Period	Due Date
January 1 st through June 30 th	August 29 th
July 1 st through December 31 st	March 1 st

5. The semi-annual report shall contain the following:
 - a) A detailed description of every instance in which visible emissions exceeded a six (6) minute average opacity greater than ten (10%) percent, to include the date, time, cause of the visible emissions, and the corrective action taken.
 - b) A copy of every ADEM Method 9 visible emissions observation report generated during the reporting period.
 - c) A description of every instance in which the observed pressure drop was less than one-half (0.5) inch of water and greater than eight (8) inches of water, to include time, date, observed pressure drop, cause of the increased or decreased pressure drop, and the corrective action taken.
 - d) A statement certifying that all required monitoring, recordkeeping, and reporting requirements were completed as required.

Rule 335-3-16-.05(c)

Rule 335-3-16-.05(c)

Rule 335-3-16-.05(c)

Summary Page for Drying Operation

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
CD-2	Law-Marot Dryer	PM	E=17.31P ^{0.16}	ADEM Admin. Code r. 335-3-4-.04(1)
		SO ₂	N/A	N/A
		NO _x	N/A	N/A
		CO	N/A	N/A
		VOC	N/A	N/A
		Opacity	0%	40 CFR 60 Subpart DD, §60.302(a)

Provisos for Drying Operation

Federally Enforceable Provisos

Regulations

Applicability

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| 1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>"Major Source Operating Permits"</i> . | Rule 335-3-16-.03 |
| 2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), <i>"Visible Emissions"</i> . | Rule 335-3-4-.01(1) |
| 3. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), <i>"Process Industries – General"</i> . | Rule 335-3-4-.04(1) |
| 4. This source is subject to the applicable requirements of 40 CFR 60 Subpart DD, <i>"Standards of Performance for Grain Elevators"</i> . | §60.300(a)-(b) |
| 5. This source is subject to the applicable requirements of 40 CFR 60 Subpart A, <i>"General Provisions"</i> . | §60.1(a) |
| 6. This source has an enforceable limit in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, <i>"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"</i> . | Rule 335-3-14-.04
[BACT] |

Emission Standards

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| 1. Particulate emissions from this source shall not exceed the allowable set by ADEM Admin. Code r. 335-3-4-.04(1). | Rule 335-3-4-.04(1) |
| 2. This unit shall not discharge into the atmosphere any gases which exhibit greater than zero (0) percent opacity. | §60.302(a) |
| 3. Throughput shall not exceed 61,425,000 bushels/year during any consecutive 12-month period. | Rule 335-3-14-.04
[BACT] |

Compliance and Performance Test Methods and Procedures

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| 1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5. | Rule 335-3-1-.05 |
| 2. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9. | Rule 335-3-1-.05 |

Federally Enforceable Provisos**Regulations****Emission Monitoring**

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| 1. An instantaneous observation of visible emissions from the stack associated with this unit shall be conducted weekly while each unit is operating. | Rule 335-3-16-.05(c) |
| 2. If visible emissions are observed at any time, corrective action to reduce emissions shall be initiated within two (2) hours . | Rule 335-3-16-.05(c) |

Recordkeeping and Reporting Requirements

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| 1. Records of each visual emission observation, as well as any Method 9 conducted and any corrective actions taken, shall be kept on file for at least five (5) years. | Rule 335-3-16-.05(c) |
| 2. Records of the monthly and 12-month rolling total of soybeans processed in the dryer shall be kept in a permanent form suitable for inspection for a period of five (5) years from the date of generation and shall be made available upon request. | Rule 335-3-16-.05(c) |
| 3. Records of the monthly and 12-month rolling total of natural gas used by the dryer shall be kept in a form suitable for inspection for a period of five (5) years from the date of generation and shall be made available upon request. | Rule 335-3-16-.05(c) |

Summary Page for Soybean Preparation

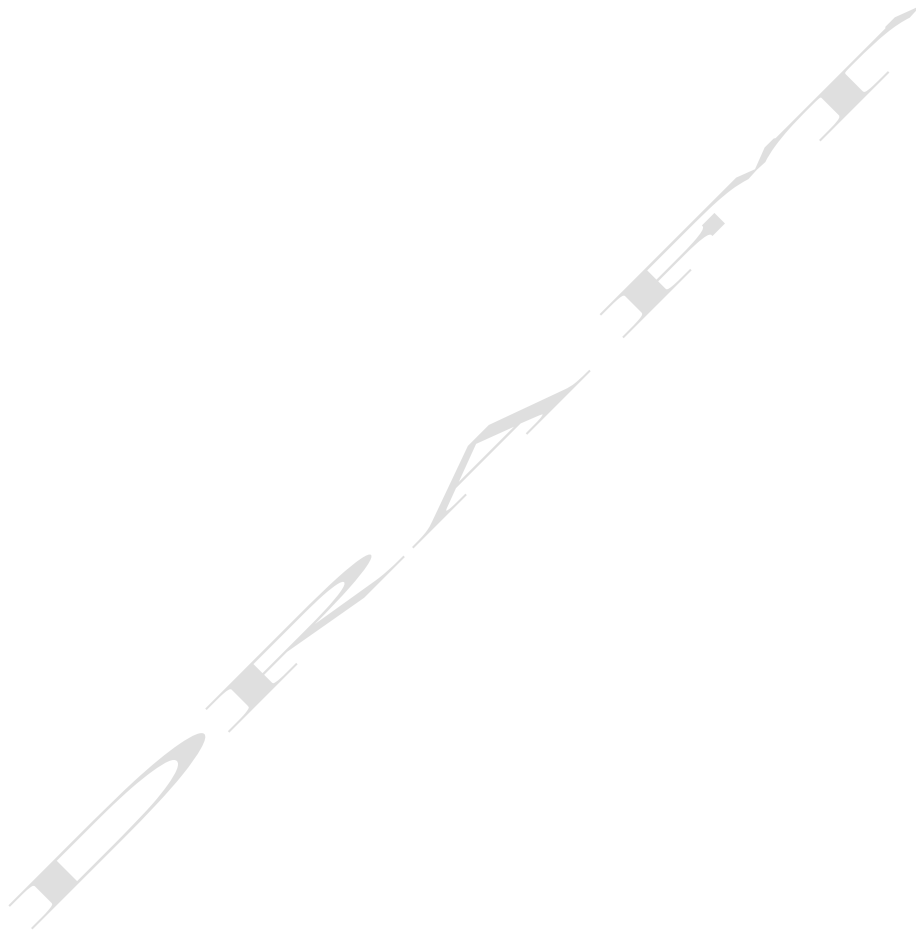
Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
PR-1	Dehulling w/ Baghouse No. 1	PM	Lesser of: $E=17.31P^{0.16}$ or 21.7 lb/hr (95.0 TPY)	ADEM Admin. Code r. 335-3-4-.04(1) or 40 CFR 64.3(b)(4)(ii)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
PR-2	Dehulling w/ Baghouse No. 2	PM	Lesser of: $E=17.31P^{0.16}$ or 21.7 lb/hr (95.0 TPY)	ADEM Admin. Code r. 335-3-4-.04(1) or 40 CFR 64.3(b)(4)(ii)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
PR-4	Soybean Cracking Rolls w/ Baghouse	PM	Lesser of: $E=17.31P^{0.16}$ or 21.7 lb/hr (95.0 TPY)	ADEM Admin. Code r. 335-3-4-.04(1) or 40 CFR 64.3(b)(4)(ii)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
PR-5	Hull Grinders w/ Baghouse	PM	Lesser of: $E=17.31P^{0.16}$ or 21.7 lb/hr (95.0 TPY)	ADEM Admin. Code r. 335-3-4-.04(1) or 40 CFR 64.3(b)(4)(ii)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)

PR-7	Flaking System w/ Cyclone	PM	Lesser of: $E=17.31P^{0.16}$ or 21.7 lb/hr (95.0 TPY)	ADEM Admin. Code R. 335-3-4-.04(1) or 40 CFR 64.3(b)(4)(ii)
		Opacity	20% (6-minute average)	ADEM Admin Code R. 335-3-4-.01(1)(a)&(b)



Provisos for Soybean Preparation

Federally Enforceable Provisos

Regulations

Applicability

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| 1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>"Major Source Operating Permits"</i> . | Rule 335-3-16-.03 |
| 2. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), <i>"Visible Emissions"</i> . | Rule 335-3-4-.01(1) |
| 3. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), <i>"Process Industries – General"</i> . | Rule 335-3-4-.04(1) |
| 4. These sources are subject to the applicable requirements of 40 CFR 64, <i>"Compliance Assurance Monitoring"</i> . | §64.2 |
| 5. These sources have limits in place to ensure that the potential to emit, including the effect of control devices, is less than 100 TPY. This is to prevent the facility from being required to collect four or more data values per hour as required in §64.3(b)(4)(i). | §64.3(b)(4)(ii) |
| 6. These sources have enforceable limits in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, <i>"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"</i> . | Rule 335-3-14-.04 [BACT] |

Emission Standards

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| 1. Visible emissions from these sources shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1). | Rule 335-3-4-.01(1) |
| 2. Particulate emissions from these sources shall not exceed the lesser of the allowable set by ADEM Admin. Code r. 335-3-4-.04(1) or 21.7 lb/hr (95.0 TPY) each. | Rule 335-3-4-.04(1)
§64.3(b)(4)(ii) |
| 3. Throughput shall not exceed 61,425,000 bushels/year during any consecutive 12-month period. | Rule 335-3-14-.04 [BACT] |

Compliance and Performance Test Methods and Procedures

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| 1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5. | Rule 335-3-1-.05 |
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Federally Enforceable Provisos	Regulations
<ol style="list-style-type: none"> If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9. 	Rule 335-3-1-.05
<p><u>Emission Monitoring</u></p>	
<ol style="list-style-type: none"> Emission monitoring requirements for these sources, as specified in 40 CFR 64, "Compliance Assurance Monitoring", can be found in the Appendix A. 	40 CFR 64
<ol style="list-style-type: none"> An instantaneous observation of visible emissions from stacks PR-1, PR-2, PR-4, PR-5, and PR-7 shall be conducted daily while in operation. 	Rule 335-3-16-.05(c) 40 CFR 64
<ol style="list-style-type: none"> If instantaneous visible emissions of an opacity greater than ten (10%) percent are observed at any time, corrective action to reduce emissions shall be initiated within two (2) hours. 	Rule 335-3-16-.05(c) 40 CFR 64
<ol style="list-style-type: none"> After corrective action, a follow-up visible emissions check shall be conducted. If instantaneous visible emissions of an opacity greater than ten (10%) percent are observed, a visible emissions observation shall be conducted within thirty (30) minutes in accordance with 40 CFR 60 Appendix A, Method 9, for a minimum of 12 minutes. Further corrective action shall be taken to reduce emissions to an appropriate level. 	Rule 335-3-16-.05(c) 40 CFR 64
<ol style="list-style-type: none"> A pressure differential reading from baghouses PR-1, PR-2, PR-4, PR-5, and PR-7 shall be observed weekly while in operation. 	Rule 335-3-16-.05(c) 40 CFR 64
<ol style="list-style-type: none"> If the observed pressure drop (ΔP) is less than one-half (0.5) inch of water or greater than eight (8) inches of water, corrective action shall be initiated within two (2) hours. 	Rule 335-3-16-.05(c) 40 CFR 64
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<ol style="list-style-type: none"> Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request. 	Rule 335-3-16-.05(c)
<ol style="list-style-type: none"> If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. 	Rule 335-3-16-.05(c)

Federally Enforceable Provisos**Regulations**

3. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed pressure drop (ΔP), and any corrective actions taken during each pressure drop (ΔP) observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.

Rule 335-3-16-.05(c)

4. A semi-annual report shall be submitted to the Air Division according to the following reporting schedule:

Rule 335-3-16-.05(c)

Reporting Period	Due Date
January 1 st through June 30 th	August 29 th
July 1 st through December 31 st	March 1 st

5. The semi-annual report shall contain the following:

Rule 335-3-16-.05(c)

- a) A detailed description of every instance in which visible emissions exceeded a six (6) minute average opacity greater than ten (10%) percent, to include the date, time, cause of the visible emissions, and the corrective action taken.
- b) A copy of every ADEM Method 9 visible emissions observation report generated during the reporting period.
- c) A description of every instance in which the observed pressure drop was less than one-half (0.5) inch of water and greater than eight (8) inches of water, to include time, date, observed pressure drop, cause of the increased or decreased pressure drop, and the corrective action taken.
- d) A statement certifying that all required monitoring, recordkeeping, and reporting requirements were completed as required.

Summary Page for Meal & Hull Processing, Storage, & Loadout

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
MH-1	Meal Grinding/Additive Bin Aspiration w/ Baghouse	PM	Lesser of: $E=17.31P^{0.16}$ or 1.14 lb/hr (5.00 TPY)	ADEM Admin. Code r. 335-3-4-.04(1) or ADEM Admin. Code r. 335-3-14-.04
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
MH-2c	Hull Storage Bin C w/ Bin Vents	PM	$E=3.59P^{0.62}$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
MH-2e-f	Hull Pellet Storage Bins E, F w/ Bin Vents	PM	$E=3.59P^{0.62}$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
MH-2g	Meal Storage Bin (3,000 tons) w/ Bin Vent Filters	PM	$E=17.31P^{0.16}$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
MH-3	Hull Pellet Cooler w/Cyclone	PM	$E=17.31P^{0.16}$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
MH-4	Meal Truck Load Out w/ Baghouse	PM	Lesser of: $E=17.31P^{0.16}$ or 21.7 lb/hr (95.0 TPY)	ADEM Admin. Code r. 335-3-4-.04(1) or 40 CFR 64.3(b)(4)(ii)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)

MH-5	Meal Rail Load Out w/ Baghouse	PM	$E=17.31P^{0.16}$	ADEM Admin. Code r. 335-3-4-.04(1)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
MH-6	Hull Receiving Cyclone w/ Baghouse	PM	Lesser of: $E=17.31P^{0.16}$ or 21.7 lb/hr (95.0 TPY)	ADEM Admin. Code r. 335-3-4-.04(1) or 40 CFR 64.3(b)(4)(ii)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
MH-7	Meal House, Meal Storage Bins, & Meal Load-out Bins w/ shared Baghouse	PM	Lesser of: $E=17.31P^{0.16}$ or 21.7 lb/hr (95.0 TPY)	ADEM Admin. Code r. 335-3-4-.04(1) or 40 CFR 64.3(b)(4)(ii)
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)

Provisos for Meal & Hull Processing, Storage, & Loadout Federally Enforceable Provisos	Regulations
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<p><u>Applicability</u></p> <ol style="list-style-type: none"> 1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>"Major Source Operating Permits"</i>. 2. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), <i>"Visible Emissions"</i>. 3. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), <i>"Process Industries – General"</i>. 4. Emission point MH-1 has an enforceable limit in place in order to avoid being subject to the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, <i>"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"</i>. 5. Emission points MH-1, MH-4, MH-5, MH-6, and MH-7 are subject to the applicable requirements of 40 CFR 64, <i>"Compliance Assurance Monitoring"</i>. 6. Emission points MH-4, MH-5, MH-6, and MH-7 have limits in place to ensure that the potential to emit, including the effect of control devices, is less than 100 TPY. This is to prevent the facility from being required to collect four or more data values per hour as required in §64.3(b)(4)(i). 7. These sources have enforceable limits in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, <i>"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"</i>. 	<p>Rule 335-3-16-.03</p> <p>Rule 335-3-4-.01(1)</p> <p>Rule 335-3-4-.04(1)</p> <p>Rule 335-3-14-.04 [Anti-PSD]</p> <p>§64.2</p> <p>§64.3(b)(4)(ii)</p> <p>Rule 335-3-14-.04 [BACT]</p>
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<p><u>Emission Standards</u></p> <ol style="list-style-type: none"> 1. Visible emissions from these sources shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1). 2. Particulate emissions from these sources shall not exceed the allowable set by ADEM Admin. Code r. 335-3-4-.04(1). 3. Particulate emissions from emission point MH-1 shall not exceed 1.14 lb/hr (5.0 TPY). 	<p>Rule 335-3-4-.01(1)</p> <p>Rule 335-3-4-.04(1)</p> <p>Rule 335-3-14-.04 [Anti-PSD]</p>
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Federally Enforceable Provisos	Regulations
<ol style="list-style-type: none"> 4. Particulate emissions from emission points MH-4, MH-5, MH-6, and MH-7 shall not exceed 21.7 lb/hr (95.0 TPY) each. 5. Throughput shall not exceed 61,425,000 bushels/year during any consecutive 12-month period. 	<p>§64.3(b)(4)(ii)</p> <p>Rule 335-3-14-.04 [BACT]</p>
<u>Compliance and Performance Test Methods and Procedures</u>	
<ol style="list-style-type: none"> 1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5. 	<p>Rule 335-3-1-.05</p>
<ol style="list-style-type: none"> 2. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9. 	<p>Rule 335-3-1-.05</p>
<u>Emission Monitoring</u>	
<ol style="list-style-type: none"> 1. Emission monitoring requirements for MH-1, MH-4, MH-5, MH-6, and MH-7, as specified in 40 CFR 64, “Compliance Assurance Monitoring”, can be found in Appendix A. 	<p>40 CFR 64</p>
<ol style="list-style-type: none"> 2. An instantaneous visible emissions observation from each cyclone and baghouse associated with MH-1, MH-4, MH-5, MH-6, and MH-7 shall be accomplished daily while in operation. 	<p>Rule 335-3-16-.05(c)</p> <p>40 CFR 64</p>
<ol style="list-style-type: none"> 3. An instantaneous visible emissions observation from each cyclone, baghouse, and bin vent associated with MH-2c, MH-2e-f, MH-2g, and MH-3 shall be accomplished weekly while in operation. 	<p>Rule 335-3-16-.05(c)</p> <p>40 CFR 64</p>
<ol style="list-style-type: none"> 4. If the observed instantaneous opacity from any stack is greater than ten (10%) percent, corrective action to reduce emissions shall be initiated within two (2) hours. 	<p>Rule 335-3-16-.05(c)</p> <p>40 CFR 64</p>
<ol style="list-style-type: none"> 5. After corrective action, a follow-up visible emissions check shall be conducted. If instantaneous visible emissions of an opacity greater than ten (10%) percent are observed, a visible emissions observation shall be conducted within thirty (30) minutes in accordance with 40 CFR 60 Appendix A, Method 9, for a minimum of 12 minutes. Further corrective action shall be taken to reduce emissions to an appropriate level. 	<p>Rule 335-3-16-.05(c)</p> <p>40 CFR 64</p>
<ol style="list-style-type: none"> 6. The pressure drop (ΔP) across each baghouse associated with MH-1, MH-4, MH-5, MH-6, and MH-7 shall be observed weekly while in operation. 	<p>Rule 335-3-16-.05(c)</p> <p>40 CFR 64</p>

Federally Enforceable Provisos**Regulations**

7. If the observed pressure drop (ΔP) is less than one-half (0.5) inch of water or greater than eight (8) inches of water, corrective action shall be initiated within **two (2) hours**.
8. The facility shall inspect and clean each baghouse and cyclone at least **annually**.

Rule 335-3-16-.05(c)
40 CFR 64

Rule 335-3-16-.05(c)

Recordkeeping and Reporting Requirements

1. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.
2. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.
3. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed pressure drop (ΔP), and any corrective actions taken during each pressure drop (ΔP) observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.
4. Records documenting each baghouse and cyclone inspection and cleaning shall be kept in a form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.
5. A semi-annual report shall be submitted to the Air Division according to the following reporting schedule:

Rule 335-3-16-.05(c)

Rule 335-3-16-.05(c)

Rule 335-3-16-.05(c)

Rule 335-3-16-.05(c)

Rule 335-3-16-.05(c)

Reporting Period	Due Date
January 1 st through June 30 th	August 29 th
July 1 st through December 31 st	March 1 st

Federally Enforceable Provisos**Regulations**

6. The semi-annual report shall contain the following:

- a) A detailed description of every instance in which visible emissions exceeded a six (6) minute average opacity greater than ten (10%) percent, to include the date, time, cause of the visible emissions, and the corrective action taken.
- b) A copy of every ADEM Method 9 visible emissions observation report generated during the reporting period.
- c) A description of every instance in which the observed pressure drop was less than one-half (0.5) inch of water and greater than eight (8) inches of water, to include time, date, observed pressure drop, cause of the increased or decreased pressure drop, and the corrective action taken.
- d) A statement certifying that all required monitoring, recordkeeping, and reporting requirements were completed as required.

Rule 335-3-16-.05(c)

Summary Page for Extraction Process Boilers

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
BO-3	99.0 MMBtu/hr Natural Gas-Fired Boiler	PM	1.45 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
		SO ₂	4.0 lb/MMBtu	ADEM Admin. Code r. 335-3-5-.01(1)
		NO _x	6.40 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
		CO	N/A	N/A
		VOC	N/A	N/A
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
BO-4	99.0 MMBtu/hr Natural Gas-Fired Boiler	PM	1.45 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
		SO ₂	4.0 lb/MMBtu	ADEM Admin. Code r. 335-3-5-.01(1)
		NO _x	6.40 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
		CO	N/A	N/A
		VOC	N/A	N/A
		Opacity	20% (6-minute average)	40 CFR 60.43c(c)
BO-5	99.0 MMBtu/hr Natural Gas-Fired Boiler	PM	1.45 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
		SO ₂	4.0 lb/MMBtu	ADEM Admin. Code r. 335-3-5-.01(1)
		NO _x	6.40 lb/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
		CO	N/A	N/A
		VOC	N/A	N/A
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)

Provisos for Extraction Process Boilers

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>"Major Source Operating Permits"</i> .	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), <i>"Visible Emissions"</i> .	Rule 335-3-4-.01(1)
3. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.03, <i>"Control of Particulate Emissions – Fuel Burning Equipment"</i> .	Rule 335-3-4-.03
4. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-5-.01, <i>"Control of Sulfur Compound Emissions – Fuel Combustion"</i> .	Rule 335-3-5-.01
5. These sources are subject to the applicable requirements of 40 CFR 60 Subpart Dc, <i>"Standards of Performance for Small Industrial – Commercial – Institutional Steam Generating Units"</i> .	40 CFR 60 Subpart Dc §60.40c(a)
6. These sources have enforceable limits in place in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, <i>"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"</i> .	Rule 335-3-14-.04 (Anti-PSD)
7. These sources are subject to the applicable requirements of 40 CFR Part 63 Subpart DDDDD, <i>"National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Steam Generating Units"</i> .	40 CFR 63 Subpart DDDDD §63.7485
8. These sources are subject to the applicable requirements of Subpart A of 40 CFR Part 63, <i>"General Provisions"</i> , as listed in Table 10 of Subpart DDDDD.	40 CFR Part 63 Subpart DDDDD §63.7585
<u>Emission Standards</u>	
1. Visible emissions from these sources shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1).	Rule 335-3-4-.01(1)
2. Particulate emissions from each boiler shall not exceed the lesser of the allowable set by ADEM Admin. Code r. 335-3-4-.03(1) or 1.45 lb/hr (6.35 TPY).	Rule 335-3-4-.03(1) Rule 335-3-14-.04 (Anti-PSD)
3. Sulfur dioxide emissions from these sources shall not exceed 4.0 lb/MMBtu heat input.	Rule 335-3-5-.01(1)

Federally Enforceable Provisos	Regulations
4. Nitrogen oxide (NO _x) emissions from each boiler shall not exceed 6.40 lb/hr.	Rule 335-3-14-.04 (Anti-PSD)
5. At all times, the boilers must be operated and maintained in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.	§63.7500(a)(3)
6. These units shall combust natural gas only.	Rule 335-3-14-.04 (Anti-PSD)
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate emissions (PM) from these sources shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5.	Rule 335-3-1-.05
2. If testing is required, sulfur dioxide (SO ₂) emissions from these sources shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 6.	Rule 335-3-1-.05
3. If testing is required, nitrogen oxide (NO _x) emissions from these sources shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 7.	Rule 335-3-1-.05
4. If testing is required, visible emissions (VE) from these sources shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. The Permittee must conduct annual tune-ups of each boiler based on the requirements in §63.7540(a)(10)(i) through §63.7540(a)(10)(vi). Each annual tune-up must be no more than 13 months after the previous tune-up. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.	§63.7540(a)(10) §63.7540(a)(13) §63.7515(d)
<u>Recordkeeping and Reporting Requirements</u>	
1. The Permittee shall maintain records of the amount of fuel combusted by these units during each calendar month.	§60.48c(g)(2)
2. If the boilers use a fuel other than natural gas during a period of natural gas curtailment or supply interruption, as defined in	§63.7545(f)

Federally Enforceable Provisos	Regulations
<p>§63.7575, the facility must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption. The notification must include the information specified in §63.7545(f)(1) through (5).</p>	
<p>3. The Permittee must submit annual compliance reports for these units no later than January 31 as required by §63.7550(b). The annual reporting periods begin on January 1 and end on December 31.</p>	§63.7550(b)
<p>4. The annual reports shall contain the following:</p> <ul style="list-style-type: none"> (a) Company and Facility name and address (b) Process unit information, emissions limitations, and operating parameter limitations (c) Date of report and beginning and ending dates of the reporting period (d) Include the date of the most recent tune-up. Include the date of the most recent burner inspection if it was not done annually and was delayed until the next scheduled or unscheduled unit shutdown (e) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report. 	§63.7550(c)
<p>5. If the boiler uses an alternative fuel other than natural gas, records must be kept of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the boiler operated during periods of gas curtailment or gas supply emergencies.</p>	§63.7555(h)
<p>6. Records required by 40 CFR 63 Subpart DDDDD must be kept in a form suitable for expeditious review for a period of 5 years following the date of each record. Records must be kept on site, or accessible from on site, for at least 2 years after the date of each occurrence. Records may be kept off site for the remaining 3 years.</p>	§63.7560(a)-(c)

Summary Page for Solvent Extraction Process

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EX-1	Soybean Oil Solvent Extraction System	VOC	*	N/A
		HAP	Compliance ratio shall not exceed 1.00	40 CFR 63.2840(c)
EX-2	Desolventizer-Toaster/Dryer-Cooler (DT/DC) with Four (4) Cyclones	VOC	*	N/A
		PM	$E=17.31P^{0.16}$	ADEM Admin. Code r. 335-3-4-.04(1)
		HAP	Compliance ratio shall not exceed 1.00	40 CFR 63.2840(c)
		Opacity	20% (6-minute average)	ADEM Admin. Code r. 335-3-4-.01(1)

*** - MACT Standard, 40 CFR 63 Subpart GGGG, states that the compliance ratio shall not exceed 1.00. Consent Decree states the solvent loss factor for soybean oil extraction shall be 0.19 gallons of solvent lost per ton of oilseed processed.**

Provisos for Solvent Extraction Process

Federally Enforceable Provisos	Regulations
<p><u>Applicability</u></p> <ol style="list-style-type: none"> 1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>"Major Source Operating Permits"</i>. 2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), <i>"Visible Emissions"</i>. 3. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), <i>"Process Industries – General"</i>. 4. This source is subject to the applicable requirements of 40 CFR 63 Subpart GGGG, <i>"National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production"</i>. 5. This source is subject to the applicable General Provisions of 40 CFR Part 63 as described in Table 1 of §63.2870. 6. This source has an enforceable limit in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, <i>"Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]"</i>. 	<p>Rule 335-3-16-.03</p> <p>Rule 335-3-4-.01(1)</p> <p>Rule 335-3-4-.04(1)</p> <p>§63.2832</p> <p>§63.2870</p> <p>Rule 335-3-14-.04 [BACT]</p>
<p><u>Emission Standards</u></p> <ol style="list-style-type: none"> 1. Visible emissions from these sources shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1). 2. Particulate emissions from this process shall not exceed the allowable set by ADEM Admin. Code r. 335-3-4-.04(1). 3. A mineral oil absorber shall be used on the extractor main vent to capture hexane emissions. 4. This process shall not exceed a 12-month rolling solvent loss of 0.19 gallons of hexane per ton of soybeans processed. 5. The facility shall maintain a compliance ratio of less than or equal to 1.00 of actual solvent loss to allowable solvent loss. The allowable solvent loss is a function of the oilseed processed and the solvent loss factor (SLF) for this facility. 6. Throughput shall not exceed 61,425,000 bushels/year during any consecutive 12-month period. 	<p>Rule 335-3-4-.01(1)</p> <p>Rule 335-3-4-.04(1)</p> <p>Rule 335-3-14-.04 [BACT]</p> <p>Rule 335-3-14-.04 [BACT]</p> <p>§63.2840(c)</p> <p>Rule 335-3-14-.04 [BACT]</p>

Federally Enforceable Provisos	Regulations
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5.	Rule 335-3-1-.05
2. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9.	Rule 335-3-1-.05
3. If performance testing is required, volatile organic compound emissions from this process shall be measured in accordance with 40 CFR 63.2850(a)(6).	§63.2850(a)(6)
4. The facility shall keep a copy of the compliance plan and, prior to September 15, 2020, a copy of the startup, shutdown, and malfunction (SSM) plan, on-site and readily available as long as the source is operational. These plans shall provide detailed procedures for operating and maintaining this source to minimize emissions, and must specify a program of corrective action for malfunctioning processes and air pollution control equipment and reflect the best practices now in use by the industry to minimize emissions.	§63.2851 §63.2852
5. The VOC solvent loss ratio (SLR) for this facility shall be 0.19 gallons of solvent lost per ton oilseed processed.	Rule 335-3-16-.05(a)
6. To determine compliance with the VOC SLR limit, the facility shall maintain a Compliance Ratio of less than or equal to 1.0, which shall be calculated as follows: Compliance Ratio = Actual Solvent Loss (gal)/Allowable Solvent Loss (gal) Where: Actual Solvent loss = Gallons of solvent loss during previous 12 operating months Allowable Solvent Loss = Oilseed * SLR Oilseed = Tons of each oilseed processed during the previous 12 operating months SLR = 0.19 gal/ton	Rule 335-3-16-.05(c)
7. Prior to September 15, 2020, for purposes of calculating SLR, the facility may apply the provisions of 40 CFR 63 Subpart GGGG pertaining to malfunction periods when both of the conditions below are met: (a) The malfunction results in a total plant shutdown, which means a shutdown of solvent extraction system; and	Rule 335-3-16-.05(c)

Federally Enforceable Provisos

Regulations

- (b) The total amount of solvent loss to which the provisions of 40 CFR 63 Subpart GGGG relating to malfunctions is applied in a rolling 12-month period does not exceed the Allowable Malfunction Volume as defined below. The Allowable Malfunction Volume in gallons is equal to the facility's 12-month Crush capacity times the final VOC SLR limit (0.19 gal/ton) times 0.024, as follows:

$$\text{Allowable Malfunction Volume (gal)} = \text{12-month Crush capacity (tons)} \\ * \text{Final VOC SLR Limit (0.19 gal/ton)} * 0.024$$

Except as otherwise set forth herein, the facility must include all solvent losses when determining compliance with its final VOC SLR limit. The total solvent loss corresponding to a malfunction period will be calculated as the difference in solvent inventory, as defined in 40 CFR §63.2862(c)(1), for the day before the malfunction period began and the solvent inventory on the day the plant resumes normal operation. During a malfunction period, the facility shall comply with the Startup, Shutdown, Malfunction ("SSM") Plan as required under Subpart GGGG.

8. Compliance with the final VOC SLR limits shall be determined in accordance with 40 CFR 63 Subpart GGGG with the following exceptions:

Rule 335-3-16-.05(c)

- (a) Provisions pertaining to HAP content shall not apply.
- (b) Monitoring and recordkeeping of solvent losses shall be conducted daily.
- (c) Records shall be kept in a form substantially similar to the following table:

Date	Total Crush (tons)		Total Solvent Loss (gallons)		SLR ^a (gal/ton)	Plant Compliance Ratio ^b
	Monthly	12-month rolling	Monthly	12-month rolling	12-month rolling	

Federally Enforceable Provisos	Regulations
<p>^a Solvent Loss Ratio is equal to 12-month rolling Total Solvent Loss divided by 12-Month Rolling Total Crush. Compliance determination is based on 12-Month Rolling SLR value compared to Interim or Final VOC SLR Limit.</p> <p>^b Plant Compliance Ratio = Plant Actual Solvent Loss (gal) / Allowable Solvent Loss (gal)</p> <p>Where:</p> <p>Plant Actual Solvent Loss = Gallons of solvent loss during previous 12 operating months</p> <p>Allowable Solvent Loss = Oilseed * SLR</p> <p>Oilseed = Tons of each oilseed processed during the previous 12 operating months</p> <p>SLR = Interim or Final solvent loss ratio (SLR) limit</p> <p>9. The following equation shall be used to determine the actual solvent loss occurring from the affected source for all normal operating periods recorded within a calendar month:</p> $\text{Monthly Actual Solvent (gal)} = \sum_{i=1}^n (\text{SOLV}_B - \text{SOLV}_E + \text{SOLV}_R \pm \text{SOLV}_A)_i$ <p>Where:</p> <p>SOLV_B = Gallons of solvent in the inventory at the beginning of normal operating period “i”</p> <p>SOLV_E = Gallons of solvent in the inventory at the end of normal operating period “i”</p> <p>SOLV_R = Gallons of solvent received between the beginning and ending inventory dates of normal operating period “i”</p> <p>SOLV_A = Gallons of solvent added or removed from the extraction solvent inventory during normal operating period “i”</p> <p>n = Number of normal operating periods in a calendar month</p>	<p>§63.2853(b)</p>

Federally Enforceable Provisos	Regulations
<p>10. The monthly weighted average volume fraction of HAP shall be calculated using the following equation:</p> $\text{Monthly Weighted Average HAP Content of Extraction Solvent (volume fraction)} = \frac{\sum_{i=1}^n (\text{Received}_i * \text{Content}_i)}{\text{Total Received}}$ <p>Where:</p> <p>Received_i = Gallons of extraction solvent received in delivery “i.”</p> <p>Content_i = The volume fraction of HAP in extraction solvent delivery “i.”</p> <p>Total Received = Total gallons of extraction solvent received since the end of the previous operating month</p> <p>n = Number of extraction solvent deliveries since the end of the previous operating month</p>	<p>§63.2854(b)(2)</p>
<p>11. The twelve-month weighted average volume fraction of HAP shall be calculated using the following equation:</p> $\text{12-Month Weighted Average of HAP Content in Solvent Received (volume fraction)} = \frac{\sum_{i=1}^{12} (\text{Received}_i * \text{Content}_i)}{\text{Total Received}}$ <p>Where:</p> <p>Received_i = Gallons of extraction solvent received in operating month “i”</p> <p>Content_i = Average volume fraction of HAP in extraction solvent received in operating month “i”</p> <p>Total Received = Total gallons of extraction solvent received during the previous 12 operating months</p>	<p>§63.2854(b)(3)</p>
<p>12. Monthly oilseed processed shall be determined using the following equation:</p> $\text{Monthly Quantity of Each Oilseed Processed (tons)} = \sum_{n=1}^n (\text{SEED}_B - \text{SEED}_E + \text{SEED}_R \pm \text{SEED}_A)$ <p>Where:</p> <p>SEED_B = Tons of oilseed in the inventory at the beginning of normal operating period “i”</p> <p>SEED_E = Tons of oilseed in the inventory at the end of normal operating period “i”</p> <p>SEED_R = Tons of oilseed received during normal operating period “i”</p> <p>SEED_A = Tons of oilseed added or removed from the oilseed inventory during normal operating period “i”</p> <p>n = Number of normal operating periods</p>	<p>§63.2855(b)</p>

Federally Enforceable Provisos	Regulations
<p>13. The twelve-month actual solvent loss shall be the sum of each monthly actual solvent loss for the previous twelve month period.</p> <p>14. The twelve-month volume of soybeans processed shall be the sum of the monthly volumes of soybeans processed for the previous twelve month period.</p> <p>15. The volume fraction of n-hexane in the solvent shall be obtained from the manufacturer's Material Safety Data Sheet (MSDS) or a manufacturer's certificate of analysis.</p>	<p>§63.2853(a)</p> <p>§63.2855(a)</p> <p>§63.2854(b)</p>
<u>Emission Monitoring</u>	
<p>1. By the end of each calendar month, the monthly total solvent loss in gallons and the compliance ratio shall be determined for the previous operating month.</p>	<p>§63.2853</p>
<u>Recordkeeping and Reporting Requirements</u>	
<p>1. The compliance demonstration plan and, prior to September 15, 2020, the SSM plan, shall be kept on-site in a permanent form suitable for inspection and made available upon request. These reports shall be kept for the life of the facility.</p> <p>2. Any existing or new source that plans to undergo a significant modification as defined in §63.2872 must submit initial notification reports described in §63.2860(c)(1) and (2):</p> <p>a) An initial notification shall be submitted 30 days prior to initial startup of the significantly modified source. The initial modification must demonstrate that the proposed changes qualify as a significant modification. The initial notification must include the items in §63.2860(c)(1)(i) and (ii).</p> <p>b) A notification of actual startup shall be submitted within 15 days after initial startup of the modified source. The notification must include the items in §63.2860(c)(2)(i) through (iv).</p> <p>3. The following records shall be kept in a form suitable for inspection and made available upon request. These records shall be kept for a period of 5 years from the date of generation:</p> <p>a) Monthly and 12-month rolling totals of hexane solvent usage;</p> <p>b) Monthly and 12-month rolling totals of actual solvent loss;</p> <p>c) Monthly and 12-month rolling totals (in tons) of oilseed processed;</p>	<p>§63.2862(b) & (e)</p> <p>§63.2860(c)</p> <p>§63.2862(c) & (d)</p>

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> d) Monthly and 12-month compliance ratios; e) Volume fraction of each HAP in each delivery of extraction solvent; f) Total gallons of extraction solvent received in each delivery; g) Monthly weighted average volume fraction of HAP in the extraction solvent for the previous 12 months; and h) Manufacturer supplied certificates of analysis or Material Safety Data Sheets (MSDS) for the hexane solvent. 	
<p>4. An annual MACT compliance certification is due at the Department 12 calendar months after submitting the notification of compliance status. Each subsequent annual MACT compliance certification is due 12 calendar months after the previous annual compliance certification. The annual MACT compliance certification provides the compliance status for each operating month during the 12 calendar months period ending 60 days prior to the date on which the report is due. This report shall include the following:</p> <ul style="list-style-type: none"> a) The name and address of the owner or operator. b) The physical address of the vegetable oil production process. c) Each listed oilseed type processed during the 12 calendar months period covered by the report. d) Each HAP present in concentrations greater than 1 percent by volume in each delivery of solvent received during the 12 calendar months period covered by the report. e) A statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source. f) A compliance certification to indicate whether the source was in compliance for each compliance determination made during the 12 calendar months period covered by the report. g) Certification that the facility is following the procedures described in the plan for demonstrating compliance. h) Certification that the compliance ratio is less than or equal to 1.00. 	§63.2861(a)
<p>5. A deviation notification report containing the information in §63.2861(b) shall be submitted to the Department for each instance that the calculated compliance ratio exceeds 1.00. This report shall be received by the Department by no later than the last day of the month following the calendar month in which the deviation occurred.</p>	§63.2861(b)

Federally Enforceable Provisos	Regulations
<p>6. Prior to September 15, 2020, if operating under an initial startup period subject to §63.2850(c)(2) or (d)(2) or a malfunction period subject to §63.2850(e)(2), an SSM report stating that actions were taken that were consistent with the procedures in the SSM plan shall be submitted to the Department by the end of the calendar month following each month in which the initial startup or malfunction period occurred. This report shall include the following information:</p> <ul style="list-style-type: none"> a) A statement containing the name, title, and signature of the owner or operator or other responsible official certifying that the report accurately states that all actions taken during the initial startup or malfunction period were consistent with the SSM plan. b) A description of events occurring during the time period, the date and duration of the events, and reason the time interval qualifies as an initial startup or malfunction period. c) An estimate of the solvent loss during the initial startup or malfunction period with supporting documentation. 	<p>§63.2861(c)</p>
<p>7. On and after September 15, 2020, if operating under an initial startup period subject to §63.2850(c)(2) or (d)(2), an initial startup period report shall be submitted to the Department within 30 days following the end of the initial startup period. This report shall include the following information:</p> <ul style="list-style-type: none"> a) The name and address of the owner or operator. b) The physical address of the vegetable oil production process. c) A compliance certification indicating whether the source was in compliance with the work practice standard of §63.2840(h). 	<p>§63.2861(e)</p>
<p>8. Prior to September 15, 2020, if a SSM is handled differently during an initial startup or malfunction period from the procedures in the SSM plan, and the relevant emission requirements are exceeded, an immediate SSM report (telephone call or facsimile transmission) must be submitted within 2 working days after starting actions inconsistent with the SSM plan, followed by a letter within 7 working days after the end of the event. The letter must include the following information:</p> <ul style="list-style-type: none"> a) The name, title, and signature of the responsible official who is certifying the accuracy of the report, an explanation of the event, and the reasons for not following the SSM plan. b) A description and date of the SSM event, its duration, and reason it qualifies as SSM. 	<p>§63.2861(d)</p>

Federally Enforceable Provisos	Regulations
<p>c) An estimate of the solvent loss for the duration of the SSM event with supporting documentation.</p> <p>9. Records required by 40 CFR 63 Subpart GGGG shall be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Each record must be kept on-site for at least 2 years after the date of occurrence or generation, and may be kept off-site for the remaining 3 years.</p>	<p>§63.2863</p>

Summary Page for Edible Oil Refining Process

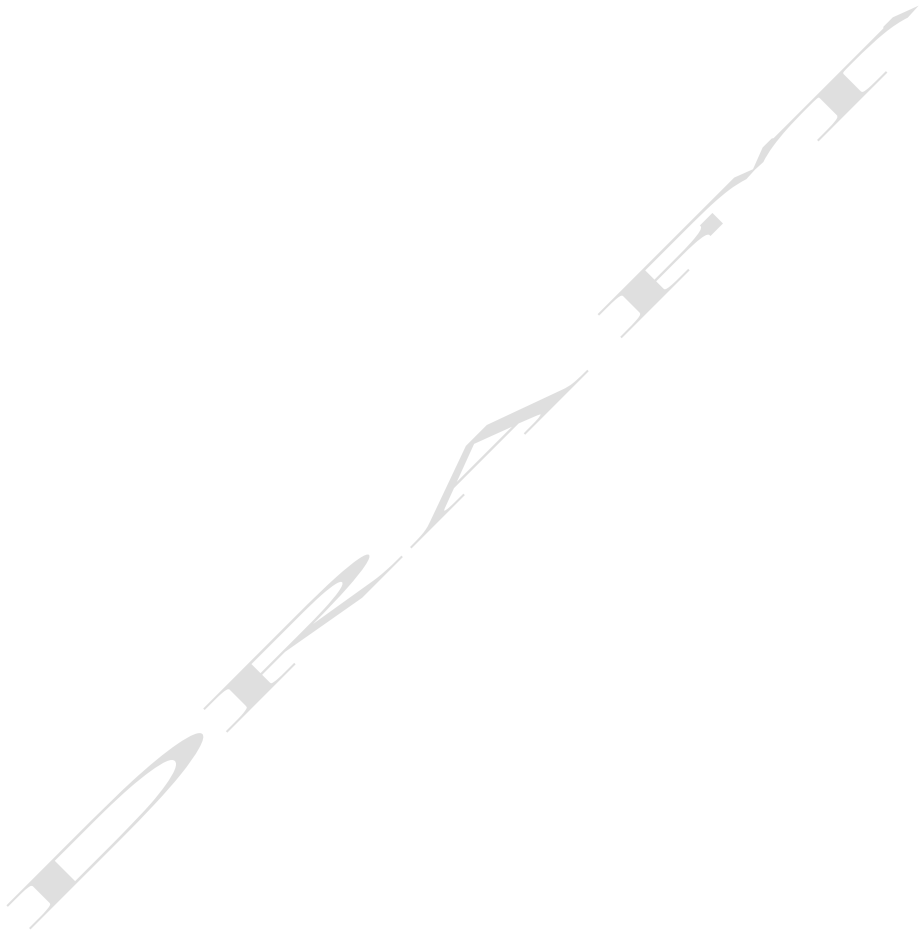
Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
REF-1 & REF-2	Two (2) 13 MMBtu/hr Natural Gas-Fired Boilers	NO _x	1.6 lb/hr (7.0 TPY) from each boiler	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
		CO	N/A	N/A
		SO ₂	4.0 lb/MMBtu	ADEM Admin. Code r. 335-3-5-.01
		PM	0.18 lb/hr (0.79 TPY) from each boiler	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
		VOC	N/A	N/A
		Opacity	20% (6-minute average)	ADEM Admin. Code r. 335-3-4-.01(1)
REF-3	Edible Oil Refining Process	VOC	0.00035 lb/lb crude oil received & 42.0 lb/hr (184 TPY)	ADEM Admin. Code r. 335-3-14-.04 (BACT)
		Opacity	20% (6-minute average)	ADEM Admin. Code r. 335-3-4-.01(1)
REF-4	No. 1 Clay Silo Bin	PM	0.22 lb/hr (0.94 TPY)	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
		Opacity	20% (6-minute average)	ADEM Admin. Code r. 335-3-4-.01(1)
REF-5	5.0 MMBtu/hr Natural Gas Garioni Steam Generator	PM	0.5 lb/MMBtu	ADEM Admin. Code r. 335-3-4-.03
		SO ₂	4.0 lb/MMBtu	ADEM Admin. Code r. 335-3-5-.01
		Opacity	20% (6-minute average)	ADEM Admin. Code r. 335-3-4-.01(1)
REF-6	No. 4 Trisyl Silo	PM	0.12 lb/hr (0.52 TPY)	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)

		Opacity	20% (6-minute average)	ADEM Admin. Code R. 335-3-4-.01(1)
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Provisos for Edible Oil Refining Process

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>“Major Source Operating Permits”</i> .	Rule 335-3-16-.03
2. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), <i>“Visible Emissions”</i> .	Rule 335-3-4-.01(1)
3. Emission points REF-1, REF-2, and REF-5 are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.03, <i>“Control of Particulate Emissions – Fuel Burning Equipment”</i> .	Rule 335-3-4-.03
4. Emission points REF-1, REF-2, and REF-5 are subject to the applicable requirements of ADEM Admin. Code r. 335-3-5-.01, <i>“Control of Sulfur Compound Emissions – Fuel Combustion”</i> .	Rule 335-3-5-.01
5. Emission points REF-1, REF-2, REF-4, and REF-6 have enforceable limits in place in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, <i>“Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]</i> .	Rule 335-3-14-.04 (Anti-PSD)
6. Emission point REF-3 has enforceable limits in place in order to comply with the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, <i>“Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]”</i> .	Rule 335-3-14-.04 (BACT)
7. The boilers (REF-1 and REF-2) are subject to the applicable requirements of 40 CFR 60 Subpart D _c , <i>“Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units”</i> .	40 CFR 60 Subpart D _c §60.40c(a)
8. The boilers (REF-1, REF-2, and REF-5) are subject to the applicable requirements of 40 CFR 63 Subpart DDDDD, <i>“National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters”</i> .	40 CFR 63 Subpart DDDDD §63.7485
9. These boilers are subject to the applicable requirements of 40 CFR 63 Subpart A, <i>“General Provisions”</i> as listed in Table 10 of 40 CFR 63 Subpart DDDDD.	40 CFR 63 Subpart DDDDD §63.7565
<u>Emission Standards</u>	
1. Visible emissions from these sources shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1).	Rule 335-3-4-.01(1)

Federally Enforceable Provisos	Regulations
2. Particulate matter (PM) emissions from boilers REF-1 and REF-2 shall not exceed 0.18 lb/hr (0.79 TPY).	Rule 335-3-14-.04 (Anti-PSD)
3. Particualte matter (PM) emissions from REF-5 shall not exceed 0.5 lb/MMBtu (2.5 lb/hr).	Rule 335-3-4-.03
4. Particulate matter (PM) emissions from REF-4 shall not exceed 0.22 lb/hr.	Rule 335-3-14-.04 (Anti-PSD)
5. Particulate matter (PM) emissions from REF-6 shall not exceed 0.12 lb/hr.	Rule 335-3-14-.04 (Anti-PSD)
6. Sulfur dioxide (SO ₂) emissions from REF-5 shall not exceed 4.0 lb/MMBtu.	Rule 335-3-5-.01
7. Nitrogen oxide (NO _x) emissions from each boiler shall not exceed 1.6 lb/hr (7.0 TPY).	Rule 335-3-14-.04 (Anti-PSD)
8. Volatile organic compound (VOC) emissions from the edible oil refinery (REF-3) shall not exceed 42.0 lb/hr (184 TPY).	Rule 335-3-14-.04 (BACT)
9. Crude oil received by the edible oil refinery shall not exceed 0.00035 lb of VOC per lb of crude oil.	Rule 335-3-14-.04 (BACT)
10. The boilers shall burn natural gas only.	Rule 335-3-14-.04 (Anti-PSD)
11. At all times, the boilers must be operated and maintained in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.	§63.7500(a)(3)
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5.	Rule 335-3-1-.05
2. If testing is required, sulfur dioxide emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 6.	Rule 335-3-1-.05

Federally Enforceable Provisos	Regulations
3. If testing is required, nitrogen oxide emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 7.	Rule 335-3-1-.05
4. If testing is required, visible emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9.	Rule 335-3-1-.05
5. If testing is required, VOC emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 25.	Rule 335-3-1-.05
6. The monthly composite VOC content of the edible oil received by the edible oil refinery shall be determined by the following methods: <ul style="list-style-type: none"> (a) For each crude oil shipment received from off-site vendors per calendar month, the total quantity shall be recorded and a one (1) quart sample retained. The total monthly individual one (1) quart samples shall be combined to form a composite representative sample. The composite representative sample VOC concentration shall be determined by American Oil Chemist Society (A.O.C.S.) Official Method Ca 3b-87 or its equivalent as approved by the Department. (b) For all crude oil received from the on-site extraction facility per calendar month, the total quantity shall be recorded. Daily, one (1) quart samples of the crude oil produced at the extraction facility shall be retained. The total monthly individual one (1) quart samples shall be combined to form a composite representative sample. The total composite representative sample VOC concentration shall be determined by American Oil Chemist Society (A.O.C.S.) Official Method Ca 3b-87 or its equivalent as approved by the Department 	Rule 335-3-14-.04 (Anti-PSD)
7. The lbs of VOC per lb of crude oil shall be determined by the following formula: $\frac{[(\text{VOC ppm of vendor oil})(\text{Oil Quantity from Vendors}) + (\text{VOC ppm of on-site oil})(\text{Oil Quantity from on-site extraction})]}{(\text{Total lbs of oil received})}$	Rule 335-3-14-.04 (Anti-PSD)

Federally Enforceable Provisos	Regulations
<u>Emission Monitoring</u>	
1. The Permittee must conduct annual tune-ups of REF-1 and REF-2 boilers based on the requirements in §63.7540(a)(10)(i) through §63.7540(a)(10)(vi). Each annual tune-up must be no more than 13 months after the previous tune-up. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.	§63.7540(a)(10) §63.7540(a)(13) §63.7515(d)
2. The Permittee must conduct a tune-up of the REF 5 boiler every 5 years based on the requirements in §63.7540(a)(10)(i) through §63.7540(a)(10)(vi). Each tune-up must be no more than 61 months after the previous tune-up. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.	§63.7540(a)(12) §63.7540(a)(13) §63.7515(d)
3. All pollution control devices shall be inspected and cleaned no less frequently than annually and whenever visible emissions are observed.	Rule 335-3-16-.05(c)(1)
<u>Recordkeeping and Reporting Requirements</u>	
1. Records documenting each control device inspection and cleaning shall be kept in a form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.	Rule 335-3-16-.05(c)
2. The Permittee shall maintain records of the amount of fuel combusted during each calendar month.	§60.48c(g)(2)
3. The following records shall be maintained for a period of (5) years following the date of such record: <ul style="list-style-type: none"> (a) The monthly quantities of crude oil received at the edible oil refinery from the on-site extraction process and off-site vendors; (b) The monthly off-site and on-site representative composite sample VOC concentration; (c) The monthly lbs of VOC per lb of crude oil received by the edible oil refinery; and (d) The monthly hours of operation of the edible oil refinery. 	Rule 335-3-16-.05(c)

Federally Enforceable Provisos	Regulations
<p>4. A semi-annual VOC report shall be submitted to the Department by the 30th day of the month following the end of the semi-annual reporting period. This report shall include the following:</p> <ul style="list-style-type: none"> (a) The monthly quantities of crude oil received at the edible oil refinery from the on-site extraction process and off-site vendors for the reporting period; (b) The monthly off-site and on-site representative composite sample VOC concentration for the reporting period; (c) The monthly lbs of VOC per lb of crude oil received by the edible oil refinery for the reporting period; (d) The monthly hours of operation of the edible oil refinery for the reporting period; (e) A statement certifying that all required monitoring, recordkeeping, and reporting requirements were accomplished as required. 	Rule 335-3-16-.05(c)
<p>5. If the boilers use a fuel other than natural gas during a period of natural gas curtailment or supply interruption, as defined in §63.7575, the facility must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption. The notification must include the information specified in §63.7545(f)(1) through (5).</p>	§63.7545(f)
<p>6. The Permittee must submit annual compliance reports for the boilers no later than January 31 as required by §63.7550(b). The annual reporting periods begin on January 1 and end on December 31.</p>	§63.7550(b)
<p>7. The annual reports shall contain the following:</p> <ul style="list-style-type: none"> (a) Company and Facility name and address (b) Process unit information, emissions limitations, and operating parameter limitations (c) Date of report and beginning and ending dates of the reporting period (d) Include the date of the most recent tune-up. Include the date of the most recent burner inspection if it was not 	§63.7550(c)

Federally Enforceable Provisos	Regulations
<p>done annually and was delayed until the next scheduled or unscheduled unit shutdown</p>	
<p>(e) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.</p>	
<p>8. If the boilers use an alternative fuel other than natural gas, records must be kept of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the boiler operated during periods of gas curtailment or gas supply emergencies.</p>	<p>§63.7555(h)</p>
<p>9. Records required by 40 CFR 63 Subpart DDDDD must be kept in a form suitable for expeditious review for a period of 5 years following the date of each record. Records must be kept on site, or accessible from on site, for at least 2 years after the date of each occurrence. Records may be kept off site for the remaining 3 years.</p>	<p>§63.7560(a)-(c)</p>

Summary Page for Edible Oil Packaging Plant Boiler

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
BO-6	5.25 MMBtu/hr Natural Gas Hot Water Heater	PM	3.49 lbs/hr	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)
		SO ₂	4.0 lb/MMBtu (21.0 lbs/hr)	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD)

Provisos for Edible Oil Packaging Plant Boiler

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This boiler is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>“Major Source Operating Permits”</i> .	Rule 335-3-16-.03
2. This boiler is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), <i>“Visible Emissions”</i> .	Rule 335-3-4-.01(1)
3. This boiler is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.03, <i>“Control of Particulate Emissions – Fuel Burning Equipment”</i> .	Rule 335-3-4-.03
4. This boiler is subject to the applicable requirements of ADEM Admin. Code r. 335-3-5-.01, <i>“Control of Sulfur Compound Emissions – Fuel Combustion”</i> .	Rule 335-3-5-.01
5. This boiler has enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, <i>“Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]</i> .	Rule 335-3-14-.04 (Anti-PSD)
6. This boiler is subject to the applicable requirements of 40 CFR 63 Subpart DDDDD, <i>“National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters”</i> .	40 CFR 63 Subpart DDDDD, §63.7485
7. This boiler is subject to the applicable requirements of 40 CFR 63 Subpart A, <i>“General Provisions”</i> as listed in Table 10 of 40 CFR 63 Subpart DDDDD.	40 CFR 63 Subpart DDDDD, §63.7565
<u>Emission Standards</u>	
1. Visible emissions from this source shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1).	Rule 335-3-4-.01(1)
2. Particulate matter (PM) emissions from the boiler shall not exceed 3.49 lb/hr (15.29 TPY).	Rule 335-3-14-.04 (Anti-PSD)
3. Sulfur dioxide (SO ₂) emissions from the boiler shall not exceed 4.0 lb/MMBtu (21.0 lb/hr).	Rule 335-3-5-.01(1)
4. The Permittee must operate and maintain this source, at all times, in a manner consistent with safety and good air pollution control practices for minimizing emissions.	§63.7500(a)(3)

Federally Enforceable Provisos	Regulations
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate emissions (PM) from this source shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5.	Rule 335-3-1-.05
2. If testing is required, sulfur dioxide (SO ₂) emissions from this source shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 6.	Rule 335-3-1-.05
3. If testing is required, visible emissions (VE) from this source shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9.	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
1. The Permittee must conduct a tune-up of the BO-6 boiler every 2 years based on the requirements in §63.7540(a)(10)(i) through §63.7540(a)(10)(vi). Each tune-up must be no more than 25 months after the previous tune-up. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.	§63.7540(a)(11) §63.7540(a)(13) §63.7515(d)
<u>Recordkeeping and Reporting Requirements</u>	
1. The Permittee must submit a biennial compliance report as required by §63.7550(b).	§63.7550(b)

Summary Page for Emergency Fire Pump Engines

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

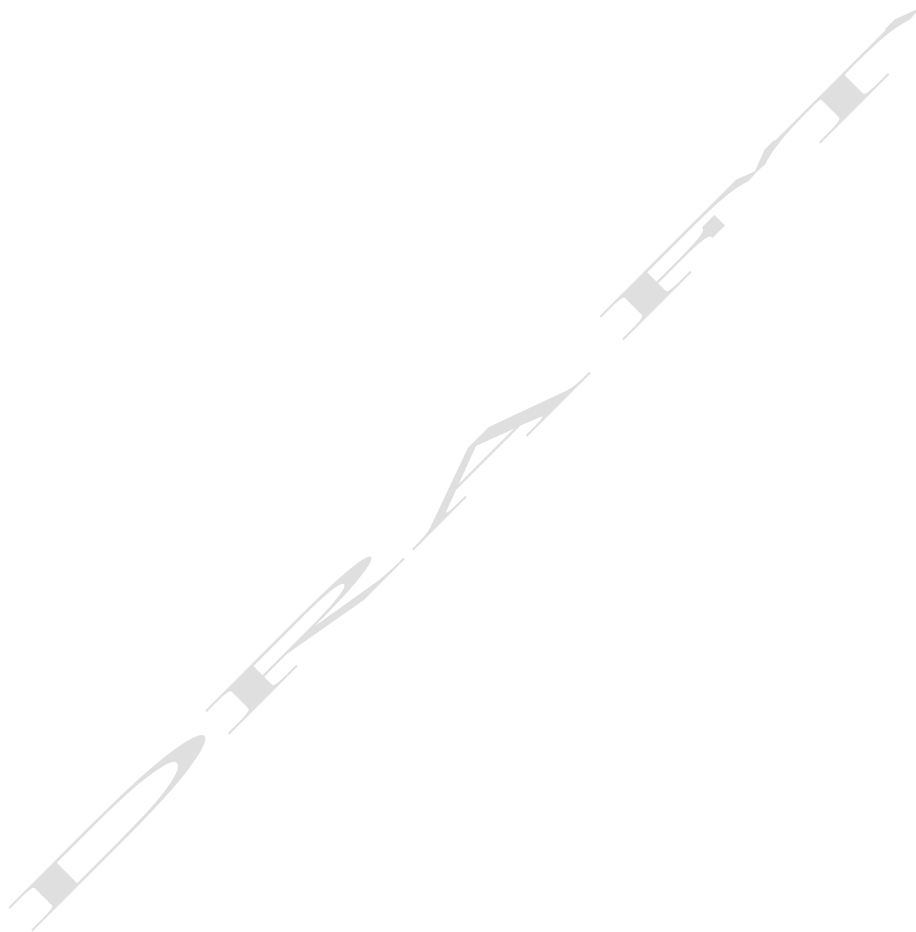
Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
N/A	Two (2) 305 HP & One (1) 237 HP Diesel-Fired Emergency Fire Pump Engines	PM	0.20 g/kw-hr (0.15 g/HP-hr)	40 CFR 60 Subpart III, §60.4205(c)
		SO ₂	15 ppm (fuel oil)	40 CFR 60 Subpart III, §60.4207(b)
		NO _x	4.0 g/kw-hr (3.0 g/HP-hr)	40 CFR 60 Subpart III, §60.4205(c)
		CO	N/A	N/A
		VOC	N/A	N/A
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)

Provisos for Emergency Fire Pump Engines

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>"Major Source Operating Permits"</i> .	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), <i>"Visible Emissions"</i> .	Rule 335-3-4-.01(1)
3. These sources are subject to the applicable requirements of 40 CFR Part 63 Subpart ZZZZ, <i>"National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines"</i> .	40 CFR Part 63 Subpart ZZZZ
4. These sources are subject to the applicable requirements 40 CFR Part 60 Subpart IIII, <i>"Standards of Performance for Stationary Compression Ignition Internal Combustion Engines"</i> .	40 CFR Part 60 Subpart IIII
<u>Emission Standards</u>	
1. Visible emissions from these sources shall not exceed the opacity set by ADEM Admin. Code r. 335-3-4-.01(1).	Rule 335-3-4-.01(1)
2. These units are subject to the applicable emission standards listed in Table 4 to 40 CFR Part 60 Subpart IIII.	§60.4205(c)
3. Diesel fuel used by these units must comply with the per-gallon standards in §80.510(b).	§60.4207(b)
4. These units must be equipped with a non-resettable hour meter.	§60.4209(a)
5. These units shall be certified to the emission standards in §60.4205(c) for the same model years and NFPA nameplate engine powers.	§60.4211(c)
6. These units must be installed and configured according to the manufacturer's specifications.	§60.4211(c)
7. The facility must operate and maintain these units according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturers, over the entire life of the engines.	§60.4211(a)(1)

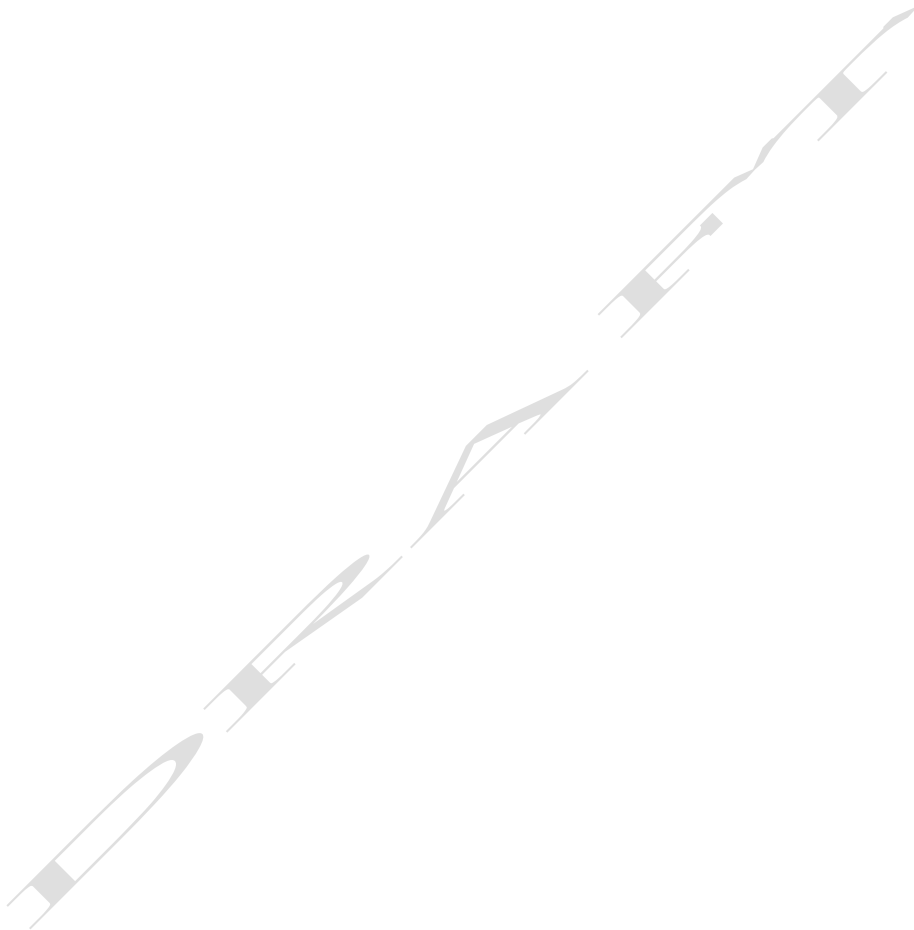
Federally Enforceable Provisos	Regulations
<p>8. These units may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engines. Maintenance checks and readiness testing of these units are limited to 100 hours per year. There is no time limit on the use of these units in emergency situations. 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 ICE beyond 100 hours per year. These units may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR 60 Subpart IIII, is prohibited.</p>	§60.4211(f)
<u>Compliance and Performance Test Methods and Procedures</u>	
<p>1. Method 9 of 40 CFR Part 60 (latest edition), Appendix A, shall be used in the determination of opacity.</p>	Rule 335-3-1-.05
<u>Emission Monitoring</u>	
<p>1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.</p>	N/A
<u>Recordkeeping and Reporting Requirements</u>	
<p>1. The facility must record hours of operation of these units in emergency and non-emergency service that are recorded through a non-resettable hour meter. The facility must record the time of operation and the reason the engines were in operation during that time.</p>	§60.4214(b)
<p>2. The facility must comply with the initial notification requirements of Table 8 of 40 CFR 63 Subpart ZZZZ.</p>	§63.6665



APPENDIX A

40 CFR 64

Compliance Assurance Monitoring (CAM) Requirements



CAM Plan for Emission Points PR-1, PR-2, PR-4, PR-5, and PR-7

	Parameter No.1	Parameter No. 2
<u>Indicator</u>	Visible Emissions (VE)	Pressure Differential (ΔP)
A. Measurement Approach	1. An instantaneous observation of visible emissions from the baghouses and cyclone associated with these units shall be accomplished daily while in operation.	1. A properly maintained and operated device shall be utilized to measure the pressure differential (ΔP) across each baghouse. Each device shall be located at eye level and be easily accessible for inspections by Air Division and plant personnel.
<u>Indicator Range</u>	<p>1. If the observed instantaneous opacity from is greater than ten (10%) percent, a visible emissions observation shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR 60 Appendix A, Method 9 for a minimum of twelve (12) consecutive minutes.</p> <p>2. If the average opacity during the Method 9 visible emission observation exceeds ten (10%) percent, corrective action shall be initiated within two (2) hours.</p>	<p>1. Pressure drop (ΔP) across each baghouse shall be monitored and recorded weekly while the units are operating.</p> <p>2. An excursion shall be defined as an observed pressure drop (ΔP) less than one-half (0.5) inch of water or greater than eight (8) inches of water.</p> <p>3. If the observed pressure drop (ΔP) is less than one-half (0.5) inch of water or greater than eight (8) inches of water, corrective action shall be initiated within two (2) hours.</p>
<u>Performance Criteria</u>		
A. Data Representativeness	1. Measurement shall be made at each emission point (baghouse and cyclone exhausts).	1. ΔP on gauge is the measurement of pressure differential between inlet

		and outlet of each baghouse.
B. Verification of Operating Status	N/A	N/A
C. QA/QC Practices and Criteria	<ol style="list-style-type: none"> 1. Trained and qualified personnel shall perform the visible inspection. 2. The facility shall inspect and clean each baghouse no less frequently than annually and whenever visible emissions are observed. 	<ol style="list-style-type: none"> 1. The differential pressure gauge shall be calibrated at least annually.
D. Monitoring Frequency	<ol style="list-style-type: none"> 1. Visible emissions observation shall be monitored and recorded daily while each unit is in operation. 	<ol style="list-style-type: none"> 1. ΔP shall be monitored and recorded weekly while each unit is in operation.
E. Data Collection Procedures	<ol style="list-style-type: none"> 1. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. 2. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. 	<ol style="list-style-type: none"> 1. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed pressure drop (ΔP), and any corrective actions taken during each pressure drop (ΔP) observation shall be kept in a permanent form suitable for inspection.
F. Averaging Period	<ol style="list-style-type: none"> 1. VE observations are instantaneous. 	<ol style="list-style-type: none"> 1. ΔP readings are instantaneous.

CAM Plan for Emission Points MH-1, MH-4, MH-5, MH-6, and MH-7

	Parameter No.1	Parameter No. 2
<u>Indicator</u>	Visible Emissions (VE)	Pressure Differential (ΔP)
A. Measurement Approach	2. An instantaneous observation of visible emissions from the baghouses and cyclone associated with these units shall be accomplished daily while in operation.	1. A properly maintained and operated device shall be utilized to measure the pressure differential (ΔP) across each baghouse. Each device shall be located at eye level and be easily accessible for inspections by Air Division and plant personnel.
<u>Indicator Range</u>	<p>1. If the observed instantaneous opacity from is greater than ten (10%) percent, a visible emissions observation shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR 60 Appendix A, Method 9 for a minimum of twelve (12) consecutive minutes.</p> <p>2. If the average opacity during the Method 9 visible emission observation exceeds ten (10%) percent, corrective action shall be initiated within two (2) hours.</p>	<p>1. Pressure drop (ΔP) across each baghouse shall be monitored and recorded weekly while the units are operating.</p> <p>2. An excursion shall be defined as an observed pressure drop (ΔP) less than one-half (0.5) inch of water or greater than eight (8) inches of water.</p> <p>3. If the observed pressure drop (ΔP) is less than one-half (0.5) inch of water or greater than eight (8) inches of water, corrective action shall be initiated within two (2) hours.</p>
<u>Performance Criteria</u>		
A. Data Representativeness	1. Measurement shall be made at each emission	1. ΔP on gauge is the measurement of pressure differential between inlet

	point (baghouse and cyclone exhausts).	and outlet of each baghouse.
B. Verification of Operating Status	N/A	N/A
C. QA/QC Practices and Criteria	<ol style="list-style-type: none"> 1. Trained and qualified personnel shall perform the visible inspection. 2. The facility shall inspect and clean each baghouse no less frequently than annually and whenever visible emissions are observed. 	<ol style="list-style-type: none"> 1. The differential pressure gauge shall be calibrated at least annually.
D. Monitoring Frequency	<ol style="list-style-type: none"> 1. Visible emissions observation shall be monitored and recorded daily while each unit is in operation. 	<ol style="list-style-type: none"> 1. ΔP shall be monitored and recorded weekly while each unit is in operation.
E. Data Collection Procedures	<ol style="list-style-type: none"> 1. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. 2. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. 	<ol style="list-style-type: none"> 1. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed pressure drop (ΔP), and any corrective actions taken during each pressure drop (ΔP) observation shall be kept in a permanent form suitable for inspection.
F. Averaging Period	<ol style="list-style-type: none"> 1. VE observations are instantaneous. 	<ol style="list-style-type: none"> 1. ΔP readings are instantaneous.