

# MAJOR SOURCE OPERATING PERMIT

**PERMITTEE:** ALPHAPET, INC.

**FACILITY NAME:** ALPHAPET, INC.

**FACILITY/PERMIT NO.:** 712-0097

**LOCATION:** DECATUR, MORGAN COUNTY, ALABAMA

*In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§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 1975, §§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

<b>GENERAL PERMIT PROVISOS .....</b>	<b>0-1</b>
<b>SUMMARY PAGE FOR HTM HEATERS .....</b>	<b>1-1</b>
<b>PROVISOS FOR HTM HEATERS .....</b>	<b>1-2</b>
<i>Applicability .....</i>	<i>1-2</i>
<i>Emission Standards .....</i>	<i>1-2</i>
<i>Compliance and Performance Test Methods and Procedures .....</i>	<i>1-3</i>
<i>Emission Monitoring .....</i>	<i>1-3</i>
<i>Recordkeeping and Reporting .....</i>	<i>1-3</i>
<b>SUMMARY PAGE FOR STEAM BOILERS .....</b>	<b>2-1</b>
<b>PROVISOS FOR STEAM BOILERS .....</b>	<b>2-2</b>
<i>Applicability .....</i>	<i>2-2</i>
<i>Emission Standards .....</i>	<i>2-2</i>
<i>Compliance and Performance Test Methods and Procedures .....</i>	<i>2-2</i>
<i>Emission Monitoring .....</i>	<i>2-3</i>
<i>Recordkeeping and Reporting .....</i>	<i>2-3</i>
<b>SUMMARY PAGE FOR STORAGE SILOS AND HOPPERS/TRUCK AND RAILCAR UNLOADING HOPPERS .....</b>	<b>3-1</b>
<b>PROVISOS FOR STORAGE SILOS AND HOPPERS/TRUCK AND RAILCAR UNLOADING HOPPERS .....</b>	<b>3-2</b>
<i>Applicability .....</i>	<i>3-2</i>
<i>Emission Standards .....</i>	<i>3-2</i>
<i>Compliance and Performance Test Methods and Procedures .....</i>	<i>3-3</i>
<i>Emission Monitoring .....</i>	<i>3-3</i>
<i>Recordkeeping and Reporting Requirements .....</i>	<i>3-3</i>
<b>SUMMARY PAGE FOR PROCESS LINES 1 &amp; 2 .....</b>	<b>4-1</b>
<b>PROVISOS FOR PROCESS LINES 1 &amp; 2 .....</b>	<b>4-2</b>
<i>Applicability .....</i>	<i>4-2</i>
<i>Emission Standards .....</i>	<i>4-2</i>
<i>Compliance and Performance Test Methods and Procedures .....</i>	<i>4-2</i>
<i>Emission Monitoring .....</i>	<i>4-2</i>
<i>Recordkeeping and Reporting Requirements .....</i>	<i>4-2</i>
<b>SUMMARY PAGE FOR PET FLAKE RECYCLING .....</b>	<b>5-1</b>
<b>PROVISOS FOR PET FLAKE RECYCLING .....</b>	<b>5-2</b>
<i>Applicability .....</i>	<i>5-2</i>
<i>Emission Standards .....</i>	<i>5-2</i>

<i>Compliance and Performance Test Methods and Procedures</i> .....	5-2
<i>Emission Monitoring</i> .....	5-2
<i>Recordkeeping and Reporting Requirements</i> .....	5-2
<b>SUMMARY PAGE FOR 175 HP EMERGENCY GENERATOR</b> .....	<b>6-1</b>
<b>PROVISOS FOR 175 HP EMERGENCY GENERATOR</b> .....	<b>6-2</b>
<i>Applicability</i> .....	6-2
<i>Emission Standards</i> .....	6-2
<i>Compliance and Performance Test Methods</i> .....	6-2
<i>Emission Monitoring</i> .....	6-3
<i>Recordkeeping and Reporting Requirements</i> .....	6-3
<b>APPENDIX A</b> .....	<b>A-0</b>
<b>COMPLIANCE ASSURANCE MONITORING PLAN</b> .....	<b>A-1</b>

## General Permit Provisos

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

## General Permit Provisos

Federally Enforceable Provisos	Regulations
<p><b>5.     <u>Termination for Cause</u></b></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	<p>Rule 335-3-16-.05(h)</p>
<p><b>6.     <u>Property Rights</u></b></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	<p>Rule 335-3-16-.05(i)</p>
<p><b>7.     <u>Submission of Information</u></b></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p>	<p>Rule 335-3-16-.05(j)</p>
<p><b>8.     <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></b></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	<p>Rule 335-3-16-.05(k)</p>
<p><b>9.     <u>Certification of Truth, Accuracy, and Completeness:</u></b></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness except as provided in Rule 335-3-16-.04(9). 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>Rule 335-3-16-.07(a)</p>
<p><b>10.   <u>Inspection and Entry</u></b></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p>	<p>Rule 335-3-16-.07(b)</p>

## General Permit Provisos

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> <li>(a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;</li> <li>(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;</li> <li>(c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</li> <li>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</li> </ul>	
<b>11. <u>Compliance Provisions</u></b>	
<ul style="list-style-type: none"> <li>(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</li> <li>(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</li> </ul>	Rule 335-3-16-.07(c)
<b>12. <u>Compliance Certification</u></b>	
<p>A compliance certification shall be submitted annually by July 25<sup>th</sup> of each year, unless more frequent periods are specified according to the specific rule governing the source or required by the Department.</p>	Rule 335-3-16-.07(e)
<ul style="list-style-type: none"> <li>(a) The compliance certification shall include the following: <ul style="list-style-type: none"> <li>(1) The identification of each term or condition of this permit that is the basis of the certification;</li> <li>(2) The compliance status;</li> <li>(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 Recording Keeping Requirements);</li> <li>(4) Whether compliance has been continuous or intermittent;</li> <li>(5) Such other facts as the Department may require to determine the compliance status of the source;</li> </ul> </li> </ul>	

## General Permit Provisos

Federally Enforceable Provisos	Regulations
<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 and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303</p>	
<p><b>13. <u>Reopening for Cause</u></b></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p> <p>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> <p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	<p>Rule 335-3-16-.13(5)</p>
<p><b>14. <u>Additional Rules and Regulations</u></b></p> <p>This permit is issued on the basis of Rules and Regulation 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>

## **General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>15.    <u>Equipment Maintenance or Breakdown</u></b></p> <p>(a)    In case of shutdown of air pollution control equipment for scheduled maintenance for a period greater than one (1) hour, the intent to shutdown shall be reported to the Department at least 24 hours prior to the planned shutdown, unless accompanied by the immediate shutdown of the emission source. Such prior notice shall include, but is not limited to the following:</p> <p>         (1)    Identification of the specific facility to be taken out of service as well as its location and permit number;</p> <p>         (2)    The expected length of time that the air pollution control equipment will be out of service;</p> <p>         (3)    The nature and quantity of emissions of air contaminants likely to occur during the shutdown period</p> <p>         (4)    Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;</p> <p>         (5)    The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period.</p> <p>(b)    In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	<p>Rule 335-3-1-.07(1),(2)</p>
<p><b>16.    <u>Operation of Capture and Control Devices</u></b></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p><b>17.    <u>Obnoxious Odors</u></b></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be take 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>



## General Permit Provisos

Federally Enforceable Provisos	Regulations
<p><b>18. <u>Fugitive Dust</u></b></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:</p> <ol style="list-style-type: none"> <li>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic; or</li> <li>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; or</li> <li>(3) By paving; or</li> <li>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; or</li> <li>(5) By any combination of the above methods which results in the prevention of dust becoming airborne from the road surface.</li> </ol>	<p>Rule 335-3-4-.02</p>
<p><b>19. <u>Additions and Revisions</u></b></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 and .14</p>
<p><b>20. <u>Recordkeeping Requirements</u></b></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <ol style="list-style-type: none"> <li>(1) The date, place, and time of all sampling or measurements;</li> <li>(2) The date analyses were performed;</li> <li>(3) The company or entity that performed the analyses</li> <li>(4) The analytical techniques or methods used;</li> <li>(5) The results of all analysis;</li> <li>(6) The operating conditions that existed at the time of sampling or measurement.</li> </ol>	<p>335-3-16-.05(c)2.</p>

## General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p>	
<p><b>21. <u>Reporting Requirements</u></b></p> <p>(a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working 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><b>22. <u>Emission Testing Requirements</u></b></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <p>(a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.</p> <p>(b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning).</p>	<p>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p> <p>Rule 335-3-1-.04</p>

## General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(c) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.</p> <p>(d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p> <p>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><b>23. <u>Payment of Emission Fees</u></b></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.</p>	<p>Rule 335-1-7-.04</p>
<p><b>24. <u>Other Reporting and Testing Requirements</u></b></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p>	<p>Rule 335-3-1-.04(1)</p>
<p><b>25. <u>Title VI Requirements (Refrigerants)</u></b></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p>	<p>335-3-16-.05(a)</p>

## General Permit Provisos

Federally Enforceable Provisos	Regulations
<p><b>26. <u>Chemical Accidental Prevention Provisions</u></b></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <ol style="list-style-type: none"> <li>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or,</li> <li>(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.</li> </ol>	<p>40 CFR Part 68</p>
<p><b>27. <u>Display of Permit</u></b></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><b>28. <u>Circumvention</u></b></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>	<p>Rule 335-3-1-.10</p>
<p><b>29. <u>Visible Emissions</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p>	<p>Rule 335-3-4-.01(1)</p>

## General Permit Provisos

Federally Enforceable Provisos	Regulations
<p><b>30. <u>Fuel-Burning Equipment</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.</p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.</p> <p><b>31. <u>Process Industries – General</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.</p> <p><b>32. <u>Averaging Time for Emission Limits</u></b></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p> <p><b>33. <u>Permit Shield</u></b></p> <p>A permit shield exists under this operating permit in accordance with ADEM Administrative Code R. 335-3-16-.10 in that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance. The permit shield is based on the accuracy of the information supplied in Item 12 of the application's ADEM Form 103 for this permit. Under this shield, it has been determined that requirements listed as non-applicable in this section are not applicable to this source.</p> <p><b>34. <u>Continuous Assurance Monitoring (CAM)</u></b></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) Commencement of operation. 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>Rule 335-3-4-.03</p> <p>Rule 335-3-5-.01</p> <p>Rule 335-3-4-.04</p> <p>Rule 335-3-1-.05</p> <p>Rule 335-3-16-.10</p>

## General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(2) Proper maintenance. At all times, except as identified in (a)(3), the owner or operator shall maintain monitoring equipment. This includes, but is not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.</p> <p>(3) Continued operation. 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 the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.</p> <p>(4) Response to excursions or exceedances. (a) Upon detection 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 operations 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>	

## General Permit Provisos

### Federally Enforceable Provisos

### Regulations

(5) Documentation of need for improved monitoring. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the 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 conducting monitoring and collecting data, or the monitoring of additional parameters.

#### (b) Quality Improvement Plan (QIP) Requirements

(1) Based on the results of a determination made under Section 34(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 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.

#### (2) Elements of a QIP:

- 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 evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate:
  - (i) Improved preventative maintenance practices.
  - (ii) Process operation changes.
  - (iii) Appropriate improvements to control methods.

## General Permit Provisos

### Federally Enforceable Provisos

### Regulations

- (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).
  - (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 improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.
  - (4) Following implementation of a QIP, upon any subsequent determination pursuant to Section 34(a)(4)(b) above,  
  
Department may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have:
    - 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.
  - (5) Implementation of a QIP shall not 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.
- (c) Reporting and Recordkeeping Requirements
- (1) General reporting requirements
    - A. On an after the date specified in Section 34(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. r. 335-3-16-.05(c)(3).
    - 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:



## General Permit Provisos

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> <li>(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;</li> <li>(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</li> <li>(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 likelihood of similar levels of excursion or exceedances occurring.</li> </ul> <p>(2) General recordkeeping requirements.</p> <ul style="list-style-type: none"> <li>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 34(b) above and any activities undertaken to implement a quality improvement plan, and other supporting information required to maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).</li> <li>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.</li> </ul> <p>(d) Savings Provisions</p> <p>(1) Nothing in this part shall:</p>	

## General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>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 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 HTM HEATERS

Permit Unit No. 001

Company Description: HTM Heaters

Emission Point(s): EP-1

Type and quantity of Fuel Used: Natural Gas

Operating Schedule 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:

**Part 60, Subpart Dc**                      **Part 63, Subpart JJJ**

### Emission Limitations

Emission Point #	Point Description	Pollutant	Emission Limit	Regulation
EP-1	HTM Heaters	Opacity	Not more than one 6-minute average greater than 20% in any 60 minute period and no 6-minute average opacity greater than 40%	335-3-4-.01
EP-1	HTM Heaters	PT	$E=1.38H^{-0.44}$	335-3-4-.03
EP-1	HTM Heaters	VOC	DRE $\geq$ 98% by weight	335-3-14-.04
EP-1	HTM Heaters	HAP	DRE $\geq$ 98% by weight or 20 ppmvd concentration, whichever is less stringent	335-3-11-.06(61)

## PROVISOS FOR HTM HEATERS

Federally Enforceable Provisos	Regulations
<i>Applicability</i>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, Major Source Operating Permits.	ADEM Admin. Code 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, Visible Emissions.	ADEM Admin. Code 335-3-4-.01
3. This source is subject to the requirements of the General Provisions as indicated in 40 CFR Part 60, Subpart A, unless otherwise stated in 40 CFR 60, Subpart Dc.	ADEM. Admin Code 335-3-10-.02(1)
4. This source is subject to the requirements of the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, Subpart Dc.	ADEM Admin Code 335-3-10-.02(2)(c)
5. This source is subject to the requirements of the General Provisions as indicated in 40 CFR Part 63, Subpart A, unless otherwise stated in 40 CFR Part 63, Subpart JJJ.	ADEM Admin Code 335-3-11-.06(1)
6. This source is subject to the requirements of the National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins, Subpart JJJ.	ADEM Admin. Code 335-3-11-.06(61)
7. This source is subject to synthetic minor PSD emission limitations.	ADEM Admin. Code 335-3-14-.04
<i>Emission Standards</i>	
1. The heaters shall be limited to the use of natural gas as fuel.	ADEM Admin. Code 335-3-10-.02(2)(c)
2. The opacity of the exhaust plume from this source shall not exceed 20% for one 6-minute average in any 60-minute period nor shall the opacity exceed 40% for any 6-minute period.	ADEM Admin. Code 335-3-4-.01(1)
3. Emissions of particulate matter from the HTM heaters in any one hour shall not exceed the amount determined by the use of the following equation:	ADEM Admin. Code 335-3-4-.03
$E = 1.38H^{-0.44}$	
Where	
E = Emissions in pounds per MMBtu heat input.	
H = Heat input in MMBtu/hr	
4. The organic HAP emissions from the continuous process vents shall be reduced in a combustion device to achieve 98% reduction by	ADEM Admin. Code 335-3-11-.06(6)

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
weight or achieve a concentration of 20 ppm by volume on a dry basis as indicated in 40 CFR 63, Subpart JJJ.	
5. This source shall reduce the VOC emissions in a combustion device to achieve 98% reduction by weight in order to avoid PSD permitting.	ADEM Admin. Code 335-3-14-.04
6. The minimum average firebox temperature for the heaters shall be maintained at the temperature set point established during the most recent approved testing for fireboxes 1, 2, and 3, respectively.	ADEM Admin. Code 335-3-11-.06(61)
<i>Compliance and Performance Test Methods and Procedures</i>	
1. Visual Determinations of Opacity shall be measured in accordance with EPA Reference Method 9, as set forth in Rule 335-3-10, Appendix A.	ADEM Admin. Code 335-3-10-.02(1)
2. Compliance with the particulate matter (PM) emission limit shall be determined in accordance with 40 CFR Part 60 Appendix A, Method 5.	ADEM Admin. Code 335-3-10-.02(1)
3. Compliance with the volatile organic compounds (VOC) emission rates shall be determined by Reference Method 18, 25, or 25A in Appendix A of 40 CFR 60.	ADEM Admin. Code 335-3-10-.02(1)
4. Compliance with the hazardous air pollutant (HAP) emission rates shall be determined by Reference Method 18 or 25A in Appendix A of 40 CFR 60.	ADEM Admin. Code 335-3-10-.02(1)
<i>Emission Monitoring</i>	
1. The facility shall continuously monitor the firebox temperature of the heaters to comply with the requirements of the PET MACT.	ADEM Admin. Code 335-3-11-.06(61)
2. The facility shall meet the applicable monitoring requirements of 40 CFR 63.1317.	ADEM Admin. Code 335-3-11-.06(61)
<i>Recordkeeping and Reporting</i>	
1. As required by 40 CFR 60.48c(g)(2), the amount of fuel fired in the heaters shall be maintained and recorded monthly.	ADEM Admin. Code 335-3-16-.05(c)
2. Records of the daily amount of each fuel burned in each combustion source shall be kept in a permanent form suitable for inspection for a period of at least 2 years.	ADEM Admin. Code 335-3-16-.05(c)
<b>Federally Enforceable Provisos</b>	<b>Regulations</b>

- |   |                                     |
|---|-------------------------------------|
| 3. This source shall meet the applicable record keeping and reporting requirements of 40 CFR 63.1319 and 63.1320, respectively. | ADEM Admin Code<br>335-3-16-.05(c)  |
| 4. The facility shall submit reports as required in Table 9 of the PET MACT.  | ADEM Admin. Code<br>335-3-16-.05(c) |

**SUMMARY PAGE FOR STEAM BOILERS**

Permit Unit No. 002

Company Description: 3 Steam Boilers

Emission Point(s): 3 Steam Boilers

Type and quantity of Fuel Used: Natural Gas

Operating Schedule: 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs: **N/A**

#### Emission Limitations

Emission Point #	Point Description	Pollutant	Emission Limit	Regulation
EP-2	Steam Boilers	Opacity	Not more than one 6-minute average greater than 20% in any 60 minute period and no 6-minute average opacity greater than 40%	335-3-4-.01
EP-2	Steam Boilers	SO <sub>2</sub>	≤ 4.0 lb/MMBtu	335-3-5-.01
EP-2	Steam Boilers	Particulate	$E=1.38H^{-0.44}$	335-3-4-.03

## Provisos for Steam Boilers

Federally Enforceable Provisos	Regulations
<i>Applicability</i>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, Major Source Operating Permits.	ADEM Admin. Code 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, Visible Emissions.	ADEM Admin. Code 335-3-4-.01
3. This source is subject to the requirements of the General Provisions as indicated in 40 CFR Part 63, Subpart A, unless otherwise stated in 40 CFR Part 63, Subpart DDDDD.	ADEM Admin. Code 335-3-11-.06(1)
4. This source is subject to the requirements of the Federal National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR Part 63, Subpart DDDDD.	ADEM Admin. Code 335-3-11-.06(107)
<i>Emission Standards</i>	
1. The steam boilers shall be limited to the use of natural gas as fuel.	ADEM Admin. Code 335-3-14
2. The opacity of the exhaust plume from the raw material silos baghouse shall not exceed 20% for one 6-minute average in any 60-minute period nor shall the opacity exceed 40% for any 6-minute period.	ADEM Admin. Code 335-3-4-.01
3. The sulfur dioxide (SO <sub>2</sub> ) emission rate from the steam boilers shall each not exceed 4.0 lb/MMBtu.	ADEM Admin. Code 335-3-5-.01(b)
4. Emission of particulate matter from the heaters shall not exceed the amount determined by use of the following equation:	ADEM Admin. Code 335-3-4-.03
$E = 1.38(H)^{-0.44}$	
Where	
E = Emission in pounds per MMBtu heat input H = Heat input in MMBtu/hr	
<i>Compliance and Performance Test Methods and Procedures</i>	
1. Visual Determinations of Opacity shall be measured in accordance with EPA Reference Method 9, as set forth in Rule 335-3-10, Appendix A.	ADEM Admin. Code 335-3-10-.02(1)
Federally Enforceable Provisos	Regulation



2. Compliance with the particulate matter (PM) emission limit shall be determined in accordance with 40 CFR Part 60 Appendix A, Method 5.	ADEM Admin. Code 335-3-10-.02(1)
3. Compliance with the sulfur dioxide (SO <sub>2</sub> ) emission limit shall be determined in accordance with 40 CFR Part 60 Appendix A, Method 6.	ADEM Admin. Code 335-3-10-.02(1)
4. This source shall perform a tune-up every 5 years per the requirements of 40 CFR 63.7540.	ADEM Admin. Code 335-3-11-.06(107)
<i>Emission Monitoring</i>	
This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	
<i>Recordkeeping and Reporting</i>	
This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	

## SUMMARY PAGE FOR STORAGE SILOS AND HOPPERS/TRUCK AND RAILCAR UNLOADING HOPPERS

Permit Unit Nos. 003  
 Company Description: See Below  
 Emission Point(s): See Below  
 Type and quantity of Fuel Used: N/A  
 Operating Schedule: 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs: **N/A**

### Emission Limitations

Emission Point #	Point Description	Pollutant	Emission Limit	Regulation
CD-CS2, CD-CS1, CD-CS3, CD-CS4, ES-PTS, ES-PIS	Chip Evaluation Silos (4) Bagfilter, Bagging Hoppers Bagfilter, Chip Storage Silos (6) Bagfilter, Truck Loading Bagfilter, Railcar Loading Bagfilter (1), Railcar Loading Bagfilter (2), PTA Storage Silo Bagfilter, PIA Storage Silo Bagfilter, Chip Intermediate Silos (2), PET Bagging Hopper (2), PET Truck Loading Hoppers (2), Railcar Loading System (2)	Opacity	Not more than one 6-minute average greater than 20% in any 60 minute period and no 6-minute average opacity greater than 40%	335-3-4-.01
CD-CS2	Chip Evaluation Silos Bagfilter	PT	0.004 lb PM/Ton of product	335-3-14-.04
CD-CS2	Bagging Hoppers Bagfilter	PT	0.004 lb PM/Ton of product	335-3-14-.04
CD-CS1	Chip Storage Silos Bagfilter	PT	0.004 lb PM/Ton of product	335-3-14-.04
CD-CS1	Truck Loading Bagfilter	PT	0.004 lb PM/Ton of product	335-3-14-.04
CD-CS3	Railcar Loading Bagfilter (1)	PT	0.004 lb PM/Ton of product	335-3-14-.04
CD-CS4	Railcar Loading Bagfilter (2)	PT	0.004 lb PM/Ton of product	335-3-14-.04
ES-PTS	PTA Storage Silo Bagfilter	PT	0.07 lb PM/Ton of product	335-3-14-.04
ES-PIS	PIA Storage Silo Bagfilter	PT	0.07 lb PM/Ton of product	335-3-14-.04

**PROVISOS FOR STORAGE SILOS AND HOPPERS/TRUCK AND RAILCAR  
UNLOADING HOPPERS**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<i>Applicability</i>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, Major Source Operating Permits.	ADEM Admin. Code 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01, Visible Emissions.	ADEM Admin. Code 335-3-4-.01
3. This source is subject to synthetic minor PSD emission limitations.	ADEM Admin. Code 335-3-14-.04
<i>Emission Standards</i>	
1. The emission units in this source shall not discharge into the atmosphere, particulate of an opacity greater than 20% as determined by a six minute average, except for one 6 minute period in any sixty minute period of not greater than 40%.	ADEM Admin. Code 335-3-4-.01
2. Emission of particulate matter from this source shall not exceed the amount determined by use of the following equation:  $E = 13.15(P)^{0.16}$ Where E = Emission in pounds per hour P = Process weight in tons per hour ( $P \geq 30$ TPH)	ADEM Admin. Code 335-3-4-.03
3. Emissions point CD-CS2 (Chip Eval Silos) is limited to 0.004 lb PM/ton of product.	ADEM Admin. Code 335-3-14-.04
4. Emission point CD-CS2 (Bagging Hoppers) is limited to 0.004 lb PM/ton of product.	ADEM Admin. Code 335-3-14-.04
5. Emission point CD-CS1 (Chip Storage Silos) is limited to 0.004 lb PM/ton of product.	ADEM Admin. Code 335-3-14-.04
6. Emission point CD-CS1 (Truck Loading) is limited to 0.004 lb PM/ton of product.	ADEM Admin. Code 335-3-14-.04
7. Emission point CD-CS3 is limited to 0.004 lb PM/ton of product.	ADEM Admin. Code 335-3-14-.04
8. Emission point CD-CS4 is limited to 0.004 lb PM/ton of product.	ADEM Admin. Code 335-3-14-.04
9. Emission point ES-PIS is limited to 0.07 lb PM/ton of product.	ADEM Admin. Code 335-3-14-.04

<b>Federally Enforceable Provisos</b>	<b>Regulation</b>
10. Emission point ES-PTS is limited to 0.07 lb PM/ton of product.	ADEM Admin. Code 335-3-14-.04
<i>Compliance and Performance Test Methods and Procedures</i>	
1. Visual Determinations of Opacity shall be measured in accordance with EPA Reference Method 9, as set forth in Rule 335-3-10, Appendix A.	ADEM Admin. Code 335-3-1-.05
2. Compliance with the particulate matter (PM) emission limit shall be determined in accordance with 40 CFR Part 60 Appendix A, Method 5.	ADEM Admin. Code 335-3-1-.05
<i>Emission Monitoring</i>	
1. As an indicator of compliance with the particulate (PM) and opacity emission limits on the bagfilters, weekly visual observations of the bagfilter vents shall be conducted by personnel familiar with Method 9. If visible emission greater than normal are observed, the facility shall investigate and initiate any necessary corrective actions within 4 hours. After any corrective actions, an additional observation shall be performed in order to verify that emissions are reduced to normal.	ADEM Admin. Code 335-3-14-.04
<i>Recordkeeping and Reporting Requirements</i>	
1. Records of the monthly quantity of product throughput to each piece of equipment, as well as a rolling 12 month total, shall be maintained and should be readily available for inspection for a period of five (5) years.	ADEM Admin. Code 335-3-14-.04
2. Records of the required visual inspections shall be maintained and should be readily available for inspection for a period of five (5) years. These records shall include the date, time, and results of the visual inspection. If visible emissions greater than normal are observed, the records shall include the date and time of the initial observation, a description of the corrective action taken, the date and time of the initial corrective action attempt, and the results of the follow-up visual inspection.	ADEM Admin. Code 335-3-14-.04

## SUMMARY PAGE FOR PROCESS LINES 1 & 2

Permit Unit Nos. 004

Company Description: Raw Materials Preparation & Continuous Polymerization Operations

Emission Point(s): EP-1

Type and quantity of Fuel Used: N/A

Operating Schedule: 8,760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**Part 63, Subpart JJJ**

### Emission Limitations

Emission Point #	Point Description	Pollutant	Emission Limit	Regulation
EP-1	HTM Heaters	VOC	DRE $\geq$ 98% by weight	335-3-14-.04
EP-1	HTM Heaters	HAP	DRE $\geq$ 98% by weight or 20 ppmvd concentration whichever is less stringent	335-3-11-.06(61)

## Provisos for Process Lines 1 & 2

Federally Enforceable Provisos	Regulations
<i>Applicability</i>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, Major Source Operating Permits.	ADEM Admin. Code 335-3-16-.03
2. This source is subject to the requirements of the General Provisions as indicated in 40 CFR Part 63, Subpart A, unless otherwise stated in 40 CFR Part 63, Subpart JJJ.	ADEM Admin. Code 335-3-11-.06(1)
3. This source is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants: Group IV Polymers and Resins, Subpart JJJ.	ADEM Admin. Code 335-3-11-.06(61)
4. This source is subject to synthetic minor PSD emission limitations.	ADEM Admin. Code 335-3-14-.04
<i>Emission Standards</i>	
1. The organic HAP emissions from the continuous process vents shall reduce emissions in a combustion device (HTM heaters) to achieve 98% weight percent reduction or achieve a concentration of 20 ppm by volume on a dry basis.	ADEM Admin. Code 335-3-11-.06(61)
2. This source shall reduce VOC emissions in a combustion device to achieve 98% weight reduction in order to avoid PSD permitting.	ADEM Admin. Code 335-3-14-.04
3. The standards for the leak detection and repair (LDAR) program of 40 CFR Part 63, Subpart JJJ, as listed in 63.1313, shall be met.	ADEM Admin. Code 335-3-11-.06(61)
<i>Compliance and Performance Test Methods and Procedures</i>	
This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	ADEM Admin. Code 335-3-10-.02(1)
<i>Emission Monitoring</i>	
1. The leak detection monitoring requirements of 40 CFR Part 63, Subpart JJJ, as listed in 63.1313, shall be followed for all subject equipment.	ADEM Admin. Code 335-3-11-.06(103)
<i>Recordkeeping and Reporting Requirements</i>	
This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	ADEM Admin. Code 335-3-11-.06(103)

## SUMMARY PAGE FOR PET FLAKE RECYCLING

Permit unit Nos: 005

Company description: Raw Materials Preparation & Continuous Polymerization Operations

Emission point: HTM Heaters

Type and quantity of fuel used: N/A

Operating schedule: 8760 hours per year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**Part 63, Subpart JJJ**

### Emission Limitations

Emission Point #	Point Description	Pollutant	Emission Limit	Regulation
EP-1	HTM Heaters	VOC	DRE $\geq$ 98% by weight	335-3-14-.04
EP-1	HTM Heaters	HAP	DRE $\geq$ 98% by weight or 20 ppmvd concentration, whichever is less stringent	335-3-11-.06(61)

## PROVISOS FOR PET FLAKE RECYCLING

Federally Enforceable Provisos	Regulations
<i>Applicability</i>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, Major Source Operating Permits.	ADEM Admin. Code 335-3-16-.03
2. This source is subject to the requirements of the General Provisions as indicated in 40 CFR Part 63, Subpart A, unless otherwise stated in 40 CFR Part 63, Subpart JJJ.	ADEM Admin. Code 335-3-1-.06(1)
3. This source is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants: Group IV Polymers and Resins, Subpart JJJ.	ADEM Admin. Code 335-3-11-.06(61)
4. This source is subject to synthetic minor PSD emission limitations.	ADEM Admin. Code 335-3-14-.04
<i>Emission Standards</i>	
1. The organic HAP emissions from the continuous process vents shall be routed via a closed vent system to a combustion device (HTM Heaters) in order to achieve 98% weight percent reduction or achieve a concentration of 20 ppm by volume on a dry basis.	ADEM Admin. Code 335-3-11-.06(61)
2. This source shall reduce VOC emissions in a combustion device to achieve 98% weight reduction in order to avoid PSD permitting.	ADEM Admin. Code 335-3-14-.04
3. The standards for the leak detection and repair program of 40 CFR Part 63, Subpart JJJ, as listed in 63.1313, shall be met.	ADEM Admin. Code 335-3-11-.06(61)
<i>Compliance and Performance Test Methods and Procedures</i>	
This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	
<i>Emission Monitoring</i>	
1. The leak detection monitoring requirements of 40 CFR Part 63, Subpart H, as listed in 63.162 – 63.180, shall be followed for all subject equipment.	ADEM Admin. Code 335-3-11-.06(61)
<i>Recordkeeping and Reporting Requirements</i>	
This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	



## SUMMARY PAGE FOR 175 HP EMERGENCY GENERATOR

Permit unit Nos: 006

Company description: 175 HP Emergency Generator

Emission point: 175 HP Emergency Generator

Type and quantity of fuel used: Diesel

Operating schedule: < 100 hrs/yr for maintenance and testing  
< 50 hrs/yr non-emergency use

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**Part 63, Subpart ZZZZ**

### Emission Limitations

Emission Point #	Point Description	Pollutant	Emission Limit	Regulation
	175 HP Emergency Generator	Opacity	Shall not exceed 20% based on 6-minute average, except one 6-minute period in every 60 minute period that shall not exceed 40%	335-3-4-.01

## PROVISOS FOR 175 HP EMERGENCY GENERATOR

Federally Enforceable Provisos	Regulation
<i>Applicability</i>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, Major Source Operating Permits.	ADEM Admin. Code 335-3-16-.03
2. This source is subject to the requirements of ADEM Admin. Code r. 335-3-4-.01, Visible Emissions.	ADEM Admin. Code 335-3-4-.01
3. This source is subject to the requirements of the General Provisions as indicated in 40 CFR Part 63, Subpart A, unless otherwise stated in 40 CFR 63, Subpart ZZZZ.	ADEM Admin. Code 335-3-11-.06(1)
4. This source is subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR Part 63, Subpart ZZZZ.	ADEM Admin. Code 335-3-11-.06(103)
<i>Emission Standards</i>	
1. 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%.	ADEM Admin. Code 335-3-4-.01
2. As specified in 40 CFR 63.6602, the permittee shall comply with the requirements in Table 2c to Subpart ZZZZ of Part 63, which includes the following:	ADEM Admin Code 335-3-11-.06(103)
(a) Change oil and filter every 500 hours of operation or annually, whichever comes first.	
(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.	
(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	
<i>Compliance and Performance Test Methods</i>	
1. Visual determinations of opacity shall be measured in accordance with EPA Reference Method 9, as set forth in Rule 335-3-10, Appendix A.	ADEM Admin. Code 335-3-10-.02(1)

Federally Enforceable Provisos	Regulations
<p><i>Emission Monitoring</i></p> <ol style="list-style-type: none"> <li>1. In order to demonstrate compliance with the operational limitations, the permittee shall maintain records of the date, time, duration, and purpose of operation each time this unit is operated.</li> <li>2. In order to demonstrate compliance with the fuel limitations, the permittee shall maintain records of the sulfur content of the diesel fuel that is purchased for combustion in this unit.</li> <li>3. In order to demonstrate compliance with the fuel limitations, the permittee shall only purchase fuels subject to meeting the fungible specifications for diesel fuel.</li> </ol>	<p>ADEM Admin. Code 335-3-11-.06(103)</p> <p>ADEM Admin. Code 335-3-11-.06(103)</p> <p>ADEM Admin. Code 335-3-11-.06(103)</p>
<p><i>Recordkeeping and Reporting Requirements</i></p> <ol style="list-style-type: none"> <li>1. Records of the date, time, duration, and purpose of operation each time this unit is operated shall be maintained in a permanent form suitable for inspection and shall be readily available for inspection upon request. These records shall be retained for a period of 5 years from the date of generation of each record.</li> <li>2. Records of the sulfur content of the diesel fuel that is purchased for combustion in this unit shall be maintained in a permanent form suitable for inspection and shall be readily available for inspection upon request. These records shall be retained for a period of 5 years from the date of generation of each record.</li> <li>3. Records of the fuel purchases shall be maintained in a permanent form suitable for inspection and shall be readily available for inspection upon request. These records shall be retained for a period of 5 years from the date of generation of each record.</li> </ol>	<p>ADEM Admin. Code 335-3-11-.06(103)</p> <p>ADEM Admin. Code 335-3-11-.06(103)</p> <p>ADEM Admin. Code 335-3-11-.06(103)</p>

**Appendix A**

**Compliance Assurance Monitoring Plan**

### CAM plan for Storage Silos and Hoppers

I.	<b>Indicator</b>	Opacity	Throughput
	<b>Measurement Approach</b>	Visual Inspection	Electronic logs
II.	<b>Indicator Range</b>	The monitoring is based on any combination of the following to reasonably assure compliance with the applicable PM emission limit: vendor recommendations, equipment design properties, and visual inspections	The monitoring is based on the tons of product moved through the silo and the associated lb/ton PM emissions as derived from AP-42
III.	<b>Performance Criteria</b>		
	<b>Data Representativeness</b>	Opacity is an acceptable indicator of PM emissions	Throughput is directly linked to the PTE of PM emissions
	<b>Verification of Operational Status</b>	The silo will be determined to be operational when transfers are occurring to/from the silo.	The silo will be determined to be operational when transfers are occurring to/from the silo.
	<b>Quality Assurance and Control Practices</b>	Calibrate, maintain, and operate the device in accordance with the manufacturer's specifications.	Calibrate, maintain, and operate the device in accordance with the manufacturer's specifications.
	<b>Monitoring Frequency</b>	Weekly	Measured Continuously
	<b>Data Collection Procedures</b>	Visual observation recorded in log book and backed up to an electronic file	Throughput totals are automatically recorded in electronic file format.
	<b>Averaging Period</b>	N/A	12-month rolling total
	<b>Excursions</b>	Visual checks are not performed	Monthly throughput is not recorded