

MAJOR SOURCE OPERATING PERMIT

PERMITTEE: **GENPAK, LLC**

FACILITY NAME: **GENPAK-HOPE HULL
FACILITY**

FACILITY NO.: **209-0087**

LOCATION: **HOPE HULL, MONTGOMERY COUNTY,
AL**

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

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

ISSUANCE DATE: DRAFT

EFFECTIVE DATE: DRAFT

EXPIRATION DATE: DRAFT

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General Permit Provisos

Federally Enforceable Provisos	Regulations
<u>1. Transfer</u> This Permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in ADEM Admin. Code R. 335-3-16-.13(1)(a)5. <u>2. Renewals</u> (a) 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. (b) 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. <u>3. Severability Clause</u> The provisions of this Permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this Permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this Permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this Permit that shall be directly involved in the controversy in which such judgment shall have been rendered. <u>4. Compliance</u> (a) The permittee shall comply with all conditions of ADEM Admin. Code r. 335-3. Noncompliance with this Permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code r. 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. (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. <u>5. Termination for Cause</u> This Permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition. <u>6. Property Rights</u> The issuance of this Permit does not convey any property rights of any sort, or any exclusive privilege.	ADEM Admin. Code R. 335-3-16-.02(6) ADEM Admin. Code R. 335-3-16-.12(2) ADEM Admin. Code R. 335-3-16-.05(e) ADEM Admin. Code R. 335-3-16-.05(f) ADEM Admin. Code R. 335-3-16-.05(g) ADEM Admin. Code R. 335-3-16-.05(h) ADEM Admin. Code R. 335-3-16-.05(i)

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<u>7. Submission of Information</u> The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this Permit or to determine compliance with this Permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this Permit. <u>8. Economic Incentives, Marketable Permits, and Emissions Trading</u> No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Permit. <u>9. Certification of Truth, Accuracy, and Completeness:</u> Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this Permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete. <u>10. Inspection and Entry</u> 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: (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; and (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this Permit or other applicable requirements. <u>11. Compliance Provisions</u> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this Permit.	ADEM Admin. Code R. 335-3-16-.05(j) ADEM Admin. Code R. 335-3-16-.05(k) ADEM Admin. Code R. 335-3-16-.07(a) ADEM Admin. Code R. 335-3-16-.07(b) ADEM Admin. Code R. 335-3-16-.07(c)

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<u>12. Compliance Certification</u> (a) A compliance certification shall be submitted annually within 60 days of the anniversary date of issuance of this Permit. (1) The compliance certification shall include the following: (i) The identification of each term or condition of this Permit that is the basis of the certification; (ii) The compliance status; (iii) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ADEM Admin. Code R. 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements); (iv) Whether compliance has been continuous or intermittent; and (v) Such other facts as the Department may require to determine the compliance status of the source; (2) The compliance certification shall be submitted to: Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463 and to: Enforcement and Compliance Assurance Division EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303	ADEM Admin. Code R. 335-3-16-.07(e)
<u>13. Reopening for Cause</u> Under any of the following circumstances, this Permit will be reopened prior to the expiration of the permit: (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.	ADEM Admin. Code R. 335-3-16-.13(5)

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(d) The Administrator or the Department determines that this Permit must be revised or revoked to assure compliance with the applicable requirements.	
<u>14. Additional Rules and Regulations</u>	
This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.	§22-28-16(d), <u>Code of Alabama 1975</u>, as amended
<u>15. Equipment Maintenance or Breakdown</u>	
(a) In case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for scheduled maintenance, the intent to shut down shall be reported to the Department at least 24 hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following: (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; and (5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period. (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.	ADEM Admin. Code R. 335-3-1-.07(1),(2)
<u>16. Operation of Capture and Control Devices</u>	
All air pollution control devices and capture systems for which this Permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.	§22-28-16(d), <u>Code of Alabama 1975</u>, as amended

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<u>17. Obnoxious Odors</u> This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible. <u>18. Fugitive Dust</u> Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc. 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: (a) 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; (b) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; (c) By paving; (d) 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 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.	ADEM Admin. Code R. 335-3-1-.08 ADEM Admin. Code R. 335-3-4-.02
<u>19. Additions and Revisions</u> Any modifications to this source shall comply with the modification procedures in ADEM Admin. Code R. 335-3-16-.13 or 335-3-16-.14.	ADEM Admin. Code R. 335-3-16-.13 & .14
<u>20. Recordkeeping Requirements</u> (a) Records of required monitoring information of the source shall include the following: (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;	ADEM Admin. Code R. 335-3-16-.05(c)2

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(5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. (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	
<u>21. Reporting Requirements</u> (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 ADEM Admin. Code R. 335-3-16-.04(9). (b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.	ADEM Admin. Code R. 335-3-16-.05(c)3
<u>22. Emission Testing Requirements</u> 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. 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. To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter: (a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, hoe many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests. (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). (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.	ADEM Admin. Code R. 335-3-1-.05(3) ADEM Admin. Code R. 335-3-1-.04(1) ADEM Admin. Code R. 335-3-1-.04

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(d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances. 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. 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.	
<u>23. Payment of Emission Fees</u> The permittee shall remit the annual Operating Permit Fees required by ADEM Admin. Code r. 335-1-7-.04 according to the schedule in ADEM Admin. Code r. 335-1-7-.05. The permittee shall submit its estimate of actual emissions for the previous calendar year according to the schedule in ADEM Admin. Code r. 335-1-7-.05.	ADEM Admin. Code R. 335-3-1-.04 ADEM Admin. Code R. 335-1-7-.04 ADEM Admin. Code R. 335-1-7-.05
<u>24. Other Reporting and Testing Requirements</u> Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.	ADEM Admin. Code R. 335-3-1-.04(1)
<u>25. Title VI Requirements (Refrigerants)</u> Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in Appendices A and B to Subpart A of 40 CFR Part 82 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. (a) No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F. (b) 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.	40 CFR Part 82, Subpart F
<u>26. Chemical Accidental Prevention Provisions</u> 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: (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:	40 CFR Part 68

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(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.	
<u>27. Display of Permit</u>	
This Permit shall be kept under file or on display at all times at the site where This facility for which this Permit is issued is located and will make the permit readily available for inspection by any or all persons who may request to see it.	ADEM Admin. Code R. 335-3-14-.01(1)(d)
<u>28. Circumvention</u>	
No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.	ADEM Admin. Code R. 335-3-1-.10
<u>29. Visible Emissions</u>	
Unless otherwise specified in the Unit Specific provisos of this Permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by Method 9 of Appendix A-4 to 40 CFR Part 60, unless otherwise specified in the Unit Specific Provisos of this Permit.	ADEM Admin. Code R. 335-3-4-.01(1)
<u>30. Fuel-Burning Equipment</u>	
(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 ADEM Admin. Code R. 335-3-4-.03.	ADEM Admin. Code R. 335-3-4-.03
(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 ADEM Admin. Code R. 335-3-5-.01.	ADEM Admin. Code R. 335-3-5-.01
<u>31. Process Industries – General</u>	
Unless otherwise specified in the Unit Specific provisos of this Permit, no process may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code R. 335-3-4-.04.	ADEM Admin. Code R. 335-3-4-.04
<u>32. Averaging Time for Emission Limits</u>	
Unless otherwise specified in the permit, the averaging time for the emission limits listed in this Permit shall be the nominal time required by the specific test method.	ADEM Admin. Code R. 335-3-1-.05

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<u>33. Open Burning</u> Precautions should be taken to ensure that no person shall ignite, cause to ignite, permit to be ignited, or maintain any open fire in such a manner as to cause the Department's rules and regulations applicable to open burning to be violated.	ADEM Admin. Code R. 335-3-3-.01

Operating Permit Summary No. 1

Emission Unit(s): 001
Designation No(s). in Application: Line 001
Company: Genpak, LLC
Description: Ten Thermoformers, Six Fluff storage silos with bin vent baghouses, Four Extrusion lines, Two Repelletizers, One 30,000-gallon Iso-pentane storage tank, One 18,000-gallon n-Butane storage tank, One 12-ton Carbon Dioxide (CO₂) receiver tank and Associated Equipment

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

Type and quantity of fuel used:

Primary: Natural Gas
Secondary: None

Pollutants Emitted:

Pollutant	Regulatory Emission Limit	Applicable Standard
VOCs	249.1 tons any rolling 12 month period	SYNTHETIC MINOR PSD
OPACITY	Only one 6-minute average opacity greater than 20% in a 60-minute period; No 6-minute average opacity greater than 40%	SIP
PARTICULATES	$E = 3.59(P^{0.62})$	SIP

Unit Specific Provisos

Federally Enforceable Provisos	Regulations
<i>Section 1 -- Applicability</i>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permit."	ADEM Admin. Code R. 335-3-16-.01
2. This source is subject to a PSD synthetic minor emission limitation.	ADEM Admin. Code R. 335-3-14-.04
3. This unit is subject to the opacity emission rate limits.	ADEM Admin. Code R. 335-3-4-.01
4. This unit is subject to the particulate emissions rate limits for Process Industries – General sources.	ADEM Admin. Code R. 335-3-4-.04
<i>Section 2 – Emission Standards</i>	
1. Emissions of Volatile Organic Compounds (VOCs) from plant wide operations shall not exceed 249.1 tons per year (TPY) in any consecutive rolling 12-month period.	ADEM Admin. Code R. 335-3-14-.04(8)
2. This process shall not utilize more than 594.5 tons of blowing agent during any rolling 12-month period.	ADEM Admin. Code R. 335-3-14-.04(8)
3. The percent by weight of blowing agent retained in the product shall be 93% or greater.	ADEM Admin. Code R. 335-3-14-.04(8)
4. This unit shall not discharge into the atmosphere opacity greater than twenty percent (20%), as determined by a six (6) minute average. During one six (6) minute period during any sixty (60) minute period, this unit may discharge opacity not exceeding forty (40%) percent	ADEM Admin. Code R. 335-3-4-.01
5. This unit shall not discharge into the atmosphere particulate matter in excess of $E = 3.59P^{0.62}$ during any one hour. Where E is the emission rate in pounds per hour and P is the process weight in tons per hour.	ADEM Admin. Code R. 335-3-4-.04
<i>Section 3 – Compliance and Performance Test Methods and Procedures</i>	
1. Analysis of the percent by weight of blowing agent retained in the product shall be made at least once each calendar quarter according to the approved testing procedure submitted to the Department.	
2. The HAPs content by weight of each HAPs containing material used shall be determined using EPA Test Method 311, as defined in 40 CFR 63, Appendix A. Vendor data based on this method is an appropriate substitute.	ADEM Admin. Code R. 335-3-11-.06(35)

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3. The VOC content by weight of each VOC containing material used shall be determined using EPA Test Method 24, as defined in 40 CFR 60, Appendix A. Vendor data based on this method is an appropriate substitute.	ADEM Admin. Code R. 335-3-1-.04
4. When operating, the fluff silo baghouses shall an instantaneous visible emissions check a minimum of once daily during daylight hours for visible emissions.	ADEM Admin. Code R. 335-3-4-.04
5. Whenever visible emissions are observed, corrective action to minimize emissions shall be taken as soon as practicable, but no longer than 24 hours from the time of observation of the visible emissions, followed by an additional observation to confirm that emissions have been eliminated.	ADEM Admin. Code R. 335-3-4-.01
6. The fluff silo baghouses shall be inspected for proper operation and cleaned at least once every 12 months, but more frequently when visible emissions have been observed. If the results of the inspection indicate that cleaning, maintenance, or replacement is needed, such action shall be completed within 24 hours of completing the inspection.	ADEM Admin. Code R. 335-3-4-.01
<i>Section 4--Emission Monitoring</i>	
1. The monitoring requirements in this permit shall be as required in Section 5--Recordkeeping and Reporting Requirements.	
<i>Section 5--Recordkeeping and Reporting Requirements</i>	
1. Accurate and understandable records of consumption, which record at least the last five years of data, will be maintained in a permanent form suitable for inspection and be available immediately upon request. This facility shall provide a copy of records and supporting background documents upon request that pertain to this air permit. These records shall contain the following information: (a) The type and quantity of each VOC and HAP containing material used by the flexographic press. (b) The VOC, HAP and water content shall be determined from the evaluation data supplied by the ink manufacturer with each shipment of purchased raw inks and related coatings used.	ADEM Admin. Code R. 335-3-1-.04

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(c) The percent by volume of VOCs, water, solids, HAPs, and exempt VOC compounds content of each VOC containing material used each calendar month. (d) Compliance with VOC and HAP limits shall be based upon monthly material use inventories. Emissions may be adjusted for VOC and HAP content of material removed from the plant as waste or returns if the record keeping and details surrounding the materials are approved in advance. (e) Complete inventories of the VOC and HAP containing materials (their usage, VOC content and HAP content) shall be made at the end of each calendar month. (f) The amount of VOCs emitted per calendar month from the coating and cleaning operations in units of pounds and tons. (g) The rolling 12-month total of VOCs emitted from the coating and cleaning operations in units of pounds and tons. (h) Within the first 15 days of each month, compliance with all provisos in this permit will be determined. These records will be maintained for 5 years. Should this facility, at any time, exceed the limits in this permit, the Air Division must be notified in writing within ten (10) days of the identification of the exceedance.	
2. A report summarizing the information in proviso 5.1 shall be submitted each calendar quarter by the 10th day of the month following the end of the quarter, in a format approved by the Department in advance.	ADEM Admin. Code R. 335-3-1-.04
3. The analysis results of the percentage by weight of blowing agent retained in the product shall be submitted to the Department each calendar quarter.	
4. A logbook of the visible emissions required in the provisos 3.4 through 3.6 shall be maintained, including the date, time, and results of each observation, the date, time, and results of any physical inspections performed, and the date and time of any cleaning, maintenance, or replacement. The logbook shall be retained for at least five years and available for inspection upon request.	ADEM Admin. Code R. 335-3-1-.04