

**STATE OF MISSISSIPPI  
AIR POLLUTION CONTROL  
TITLE V PERMIT**

**TO OPERATE AIR EMISSIONS EQUIPMENT**

**THIS CERTIFIES THAT**

Carpenter Company  
184 Lipford Drive  
Verona, Mississippi  
Lee County

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with Title V of the Federal Clean Air Act (42 U.S.C.A. § 7401 - 7671) (i.e., the “Federal Act”) and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

**MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD**

---

**AUTHORIZED SIGNATURE  
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Permit Issued:** \_\_\_\_\_

**Effective Date:** As specified herein.

**Expires:** [Date not to exceed 5 years from issuance]

**Permit No.:** 1540-00024

6377 PER20230001

DRAFT/PROPOSED - [October 22, 2024]

**TABLE OF CONTENTS**

SECTION 1. GENERAL CONDITIONS .....3  
SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES ..... 14  
SECTION 3. EMISSION LIMITATIONS & STANDARDS..... 16  
SECTION 4. COMPLIANCE SCHEDULE.....24  
SECTION 5. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS .....25  
SECTION 6. ALTERNATIVE OPERATING SCENARIOS .....33  
SECTION 7. TITLE VI REQUIREMENTS .....34

**APPENDIX A LIST OF ABBREVIATIONS USED IN THIS PERMIT**

## SECTION 1. GENERAL CONDITIONS

1.1 The permittee must comply with all conditions of this permit. Any permit non-compliance constitutes a violation of the Federal Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(a).)

1.2 It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(b).)

1.3 The permit and/or any part thereof 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 does not stay any permit condition.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(c).)

1.4 Prior to its expiration, this permit may be reopened in accordance with the following provisions:.

(a) This permit shall be reopened and revised under any of the following circumstances:

- (1) Additional applicable requirements under the Federal Act become applicable to a major Title V source with a remaining permit term of three (3) or more years. Such a reopening shall be completed no 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 the permit is due to expire, unless the original permit or any of its terms and conditions has been extended.
- (2) 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 the permit.
- (3) The Permit Board or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- (4) The Administrator or the Permit Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

- (b) Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.
- (c) Reopenings shall not be initiated before a notice of such intent is provided to the Title V source by the Department of Environmental Quality (DEQ) at least thirty (30) days in advance of the date that the permit is to be reopened, except that the Permit Board may provide a shorter time period in the case of an emergency.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.G.)

- 1.5 The permittee shall furnish to the DEQ within a reasonable time any information the DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the DEQ copies of records required to be kept by the permittee or, for information claimed to be confidential, the permittee shall furnish such records to DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(e).)

- 1.6 The permit does not convey any property rights of any sort, or any exclusive privilege.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(d).)

- 1.7 The provisions of this permit are severable. If any provision of this permit (or the application of any provision of this permit to any circumstances) is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof (or their application to other persons or sets of circumstances) shall not be affected thereby.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(5).)

- 1.8 The permittee shall pay to the DEQ an annual fee based on a fee schedule established by the Mississippi Commission on Environmental Quality (i.e., the “Commission”). The fee schedule shall be set each year by order of the Commission in accordance with the procedure outlined in Regulation 11 Miss. Admin. Code Pt. 2, Ch. 6.

- (a) A portion of the fee shall be based on the permittee’s annual quantity of emissions. The permittee shall elect for “actual emissions” or “allowable emissions” to be used in determining the annual quantity of emissions unless the Commission determines by order that the method chosen by the applicant for calculating actual emissions fails to reasonably represent actual emissions.

- (i) “Actual emissions” shall be calculated using emission monitoring data or direct emissions measurements for the pollutant(s); mass balance

calculations such as the amounts of the pollutant(s) entering and leaving process equipment and where mass balance calculations can be supported by direct measurement of process parameters, such direct measurement data shall be supplied; published emission factors such as those relating release quantities to throughput or equipment type (e.g., air emission factors); or other approaches such as engineering calculations (e.g., estimating volatilization using published mathematical formulas) or best engineering judgments where such judgments are derived from process and/or emission data which supports the estimates of maximum actual emission.

- (ii) “Allowable emissions” are those emissions limited by this permit as well as those emissions not expressly limited by this permit but otherwise allowed by this permit, as represented in the Title V application.
- (iii) Notwithstanding paragraphs (i) and (ii), a minimum annual fee shall be assessed in accordance with the fee schedule established by the Commission when calculating this portion of the fee.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.B(1).)

- (b) A portion of the fee shall be based on the complexity of this permit, as determined by the number of air regulations applicable to the permittee on the date of the fee calculation in accordance with the fee schedule established by the Commission. Only air regulations required to be addressed by this permit may be included in the annual fee schedule.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.B(2).)

- (c) By July 1 of each year, the permittee shall submit a completed annual fee reporting form to the DEQ accompanied by all necessary calculations and supporting information to verify actual emissions. If the annual fee reporting form is not filled out completely and accurately or certified in accordance with Regulation 11 Miss. Admin. Code Pt. 2, R. 6.2.E., “allowable emissions” or other information necessary to determine the appropriate annual fee shall be used in the fee calculation.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.B(3)(c).)

- (d) If the Commission determines that there is not sufficient information available to the permittee to accurately complete and submit the annual fee reporting form by July 1, but such information becomes available and is submitted to the DEQ after July 1, the fee calculation and assessment may be altered according to the annual fee schedule. No fee actually paid to the DEQ shall be refunded due to a change in the fee calculation.

If a fee is recalculated such that the amount assessed for an annual period is reduced and the permittee has already paid all or a portion of the fee, the revised fee assessment may not be reduced to an amount less than what the permittee has already paid regardless of the results of the recalculation.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.B(3)(d).)

- (e) The fee shall be due September 1 of each year. However, the permittee may elect a quarterly payment method of four (4) equal payments with the payments due September 1, December 1, March 1 and June 1. The permittee shall notify the DEQ that the quarterly payment method will be used by September 1.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.E(1).)

- (f) If at any time within the year the Commission determines that the information submitted by the permittee is insufficient or incorrect, the DEQ will notify the permittee of the deficiencies and the adjusted fee schedule. Past due fees as a result of the adjusted fee assessment will be due at the time of the next scheduled quarterly payment.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.E(1)(b).)

- (g) If an annual fee is not paid within thirty (30) days after the due date, a penalty of ten (10) percent of the amount due shall at once accrue and be added thereto. If the fee is not paid in full (including any interest and penalty within sixty (60) days of the due date), the Permit Board may revoke the permit upon proper notice and hearing as required by law.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.E(1)(a).)

- (h) If the permittee disagrees with the calculation or applicability of an annual fee, the permittee may petition the Commission in writing for a hearing in accordance with State Law. Any disputed portion of the fee for which a hearing has been requested will not incur any penalty or interest from and after the receipt by the Commission of the hearing petition.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.D.)

- 1.9 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.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(8).)

- 1.10 Any document required by this permit to be submitted to the DEQ shall contain a certification by a responsible official that states that based on information and belief

formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.2.E.)

1.11 The permittee shall allow the DEQ (or an authorized representative), upon the presentation of credentials and other documents as may be required by law, to perform the following:

- (a) Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy (at reasonable times) any records that must be kept under the conditions of this permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- (d) As authorized by the Federal Act, sample or monitor (at reasonable times) substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(2).)

1.12 Except as otherwise specified or limited herein, the permittee shall have necessary sampling ports and ease of accessibility for any new air pollution control equipment, obtained after May 8, 1970, and vented to the atmosphere.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.I(1).)

1.13 Except as otherwise specified or limited herein, the permittee shall provide the necessary sampling ports and ease of accessibility when deemed necessary by the Permit Board for air pollution control equipment that was in existence prior to May 8, 1970.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.I(2).)

1.14 Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance upon satisfying one of the following conditions:

- (a) Such applicable requirements are included and are specifically identified in the permit; or



- (b) The Permit Board, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the permittee and the permit includes such determination (or a concise summary thereof).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.F(1).)

1.15 Nothing in this permit shall alter or affect the following:

- (a) The provisions of Section 303 of the Federal Act (emergency orders), including the authority of the Administrator under that section;
- (b) The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- (c) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Federal Act.
- (d) The ability of EPA to obtain information from a source pursuant to Section 114 of the Federal Act.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.F(2).)

1.16 The permittee shall comply with the requirement to register a Risk Management Plan if permittee's facility is required to register such a plan pursuant to Section 112(r) of the Federal Act.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.H.)

1.17 Expiration of this permit terminates the permittee's right to operate unless a timely and complete renewal application has been submitted. A timely application is one that is submitted at least six (6) months prior to the date of permit expiration.

If the permittee submits a timely and complete application for permit issuance (including for renewal), the failure to have a Title V permit is not a violation of the applicable regulations until the Permit Board takes final action on the permit application. This protection shall cease to apply if, subsequent to the completeness determination, the permittee fails to submit by the deadline specified in writing by the DEQ any additional information identified as being needed to process the application.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.2.A(1)(c), R. 6.4.B., and 6.4.C(2).)

1.18 The permittee is authorized to make changes within their facility without requiring a permit revision (Ref.: Section 502(b)(10) of the Federal Act) if the following criteria are met:



- (a) The changes are not modifications under any provision of Title I of the Federal Act;
- (b) The changes do not exceed the emissions allowable under this permit;
- (c) The permittee provides the Administrator and the Department with written notification in advance of the proposed changes [i.e., at least seven (7) days or such other time frame as provided in other regulations for emergencies] and the notification includes the following information:
  - (1) A brief description of the change(s),
  - (2) The date on which the change will occur,
  - (3) Any change in emissions, and
  - (4) Any permit term or condition that is no longer applicable as a result of the change;
- (d) The permit shield shall not apply to any Section 502(b)(10) change.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.F(1).)

1.19 Should the Executive Director of the Mississippi Department of Environmental Quality declare an “Air Pollution Emergency Episode”, the permittee will be required to operate in accordance with either the permittee’s prepared “Emission Control Action Program(s)” or, in the absence of a prepared Emission Control Action Program, the appropriate requirements and “Emission Reduction Objectives” specified in Regulation 11 Miss. Admin. Code Pt. 2, Ch. 3. – “Regulations for the Prevention of Air Pollution Emergency Episodes” – for the level of emergency declared and the permittee’s source of air contamination.

(Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 3.)

1.20 Except as otherwise provided herein, a modification of the permittee’s facility may require a Permit to Construct in accordance with the provisions specified in Regulation 11 Miss. Admin. Code Pt. 2, Ch. 2. – “Permit Regulations for the Construction and/or Operation of Air Emissions Equipment” – and may require modification of this permit in accordance with Regulation 11 Miss. Admin. Code Pt. 2, Ch. 6. – “Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act.”

“Modification” is defined as any physical change in or change in the method of operation of a facility which increases the actual emissions or the potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:

- (a) Routine maintenance, repair, and replacement;
- (b) Use of an alternative fuel or raw material by reason of an order under Sections 2 (a) and (b) of the “Federal Energy Supply and Environmental Coordination Act of 1974” (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the “Federal Power Act”;
- (c) Use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;
- (d) Use of an alternative fuel or raw material by a stationary source which:
  - (1) The source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to Regulation 11 Miss. Admin. Code Pt. 2, Ch. 2. and/or Ch. 5.; or
  - (2) The source is approved to use under any permit issued under Regulation 11 Miss. Admin. Code Pt. 2, Ch. 2. and/or Ch. 5.;;
- (e) An increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to Regulation 11 Miss. Admin. Code Pt. 2, Ch. 2. or Ch. 5.; or
- (f) Any change in ownership of the stationary source.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.C(15).)

1.21 An administrative permit amendment may be made by the Permit Board authorizing changes in ownership or operational control consistent with the following procedure:

- (a) The Permit Board shall take action within sixty (60) days after receipt of a completed request for a permit transfer, unless a public hearing is scheduled. The Permit Board may incorporate such changes without providing notice to the public or affected State(s) provided that it designates any such permit revision as having been made pursuant to this paragraph.
- (b) A permit transfer shall be approved upon satisfaction of the following:
  - (1) The applicant for transfer approval can demonstrate to the Permit Board it has the financial resources, operational expertise, and environmental compliance history over the last five (5) years to insure compliance with the terms and conditions of the permit to be transferred, except where this conflicts with State Law, and

- (2) The Permit Board determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the DEQ.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.D(4)(a) and (b).)

- 1.22 This permit is a Federally approved operating permit under Title V of the Federal Act. All terms and conditions in this permit, including any provisions designed to limit the permittee's potential to emit, are enforceable by the Administrator and citizens under the Federal Act as well as the Commission.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.B(1).)

- 1.23 Except as otherwise specified or limited herein, the open burning of residential, commercial, institutional, or industrial solid waste, is prohibited. This prohibition does not apply to infrequent burning of agricultural wastes in the field, silvicultural wastes for forest management purposes, land-clearing debris, debris from emergency clean-up operations, and ordnance.

Open burning of land-clearing debris must not use starter or auxiliary fuels which cause excessive smoke (rubber tires, plastics, etc.); must not be performed if prohibited by local ordinances; must not cause a traffic hazard; must not take place where there is a High Fire Danger Alert declared by the Mississippi Forestry Commission or an Emergency Air Pollution Episode Alert imposed by the Executive Director of DEQ; and must meet the following buffer zones:

- (a) Open burning without a forced-draft air system must not occur within 500 yards of an occupied dwelling.
- (b) Open burning utilizing a forced-draft air system on all fires to improve the combustion rate and reduce smoke may be done within 500 yards of but not within fifty (50) yards of an occupied dwelling.
- (c) Burning must not occur within 500 yards of commercial airport property, private airfields, or marked off-runway aircraft approach corridors unless written approval to conduct burning is secured from the proper airport authority, owner or operator.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.G.)

- 1.24 Except as otherwise specified herein, the permittee shall be subject to the following provisions with respect to upsets, startups, and shutdowns.

- (a) Upsets (as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.)

- (1) For an upset, the Commission may pursue an enforcement action for noncompliance with an emission standard or other requirement of an applicable rule, regulation, or permit. In determining whether to pursue enforcement action, and/or the appropriate enforcement action to take, the Commission may consider whether the source has demonstrated through properly signed contemporaneous operating logs or other relevant evidence the following:
    - (i) An upset occurred and that the source can identify the cause(s) of the upset;
    - (ii) The source was at the time being properly operated;
    - (iii) During the upset the source took all reasonable steps to minimize levels of emissions that exceeded the emission standard or other requirement of an applicable rule, regulation, or permit;
    - (iv) That within five (5) working days of the time the upset began, the source submitted a written report to the Department describing the upset, the steps taken to mitigate excess emissions or any other non-compliance, and the corrective actions taken and;
    - (v) That as soon as practicable but no later than twenty-four (24) hours of becoming aware of an upset that caused an immediate adverse impact to human health or the environment beyond the source boundary or caused a general nuisance to the public, the source provided notification to the Department.
  - (2) In any enforcement proceeding by the Commission, the source seeking to establish the occurrence of an upset has the burden of proof.
  - (3) This provision is in addition to any upset provision contained in any applicable requirement.
  - (4) These upset provisions apply only to enforcement actions by the Commission and are not intended to prohibit EPA or third-party enforcement actions.
- (b) Start-ups and Shutdowns (as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.)
- (1) Start-ups and shutdowns are part of normal source operation. Emission limitations apply during start-ups and shutdowns unless source specific emission limitations or work practice standards for start-ups and shutdowns are defined by an applicable rule, regulation, or permit.

- (2) Where the source is unable to comply with existing emission limitations established under the State Implementation Plan (SIP) and defined in Regulation 11 Mississippi Administrative Code, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for start-ups and shutdowns. Source specific emission limitations or work practice standards established for start-ups and shutdowns are subject to the requirements prescribed in 11 Miss. Admin. Code Pt. 2, R. 1.10.B(2)(a) through (e).
- (3) Where an upset as defined in Rule 1.2 occurs during start-up or shutdown, see the “Upset” requirements above.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10.)

- 1.25 The permittee shall comply with all applicable standards for demolition and renovation activities pursuant to the requirements specified in 40 CFR Part 61, Subpart M (National Emission Standard for Asbestos), as adopted by reference in Regulation 11 Miss Admin. Code Pt. 2, R. 1.8. The permittee shall not be required to obtain a modification of this permit in order to perform the referenced activities.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.8.)

**SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES**

<b>Emission Point</b>	<b>Reference No.</b>	<b>Description</b>
AC-002	1102	Flexible polyurethane foam pouring operation exhaust #1
AC-003	1103	Flexible polyurethane foam pouring operation exhaust #2
AC-004	1110	Slab curing room exhaust #1
AC-005	1111	Slab curing room exhaust #2
AC-006		Fabrication Process – polyurethane foam and non-woven fabric are cut to customer satisfaction and assembled as required
AC-007		300 hp Emergency Diesel-fired Firewater Pump, Stationary RICE constructed before 6/12/2006
AC-008		Raw polyester fiber is processed using a Spinnbau Card Line to produce the rolls of sheet densified fiber.
AT-001	T1	10,383-gallon polyol tank
AT-002	T2	10,383-gallon polyol tank
AT-003	T3	12,000-gallon polyol tank
AT-004	T4	12,000-gallon polyol tank
AT-005	T5	12,632-gallon polyol tank
AT-006	T6	12,632-gallon polyol tank
AT-007	T7	18,235-gallon polyol tank
AT-008	T8	18,235-gallon polyol tank
AT-009	T9	18,235-gallon polyol tank
AT-010	T10	18,235-gallon polyol tank
AT-011	T11	18,235-gallon polyol tank
AT-012	T12	18,235-gallon polyol tank
AT-013	T13	18,235-gallon biobased polyol tank
AT-014	T14	18,235-gallon biobased polyol tank
AT-015	T15	18,235-gallon toluene diisocyanate tank
AT-016	T16	125,583-gallon toluene diisocyanate tank
AT-017	T17	125,583-gallon polyol tank
AT-018	T18	6,073-gallon polyol tank
AT-019	T19	6,073-gallon fire retardant tank
AT-020	T20	12,000-gallon fire retardant tank

<b>Emission Point</b>	<b>Reference No.</b>	<b>Description</b>
AT-021	T21	12,632-gallon silicone tank
AT-022	T22	10,931-gallon reserve tank
AT-023	T23	10,931-gallon reserve tank
AT-024	T24	18,235-gallon polyol tank
AT-025	T25	18,235-gallon polyol tank
AT-026	T26	18,235-gallon diphenylmethane diisocyanate tank
AT-027	T27	8,555-gallon carbon dioxide/refrigerated liquid tank
AT-028	T28	10,000-gallon diesel fuel #2 tank
AT-029	T29	2,286-gallon calcium carbonate tank
AT-030	T30	350-gallon methylformate tank
AT-031	T31	2,000-gallon n-pentane tank



### **SECTION 3. EMISSION LIMITATIONS & STANDARDS**

#### **A. FACILITY-WIDE EMISSION LIMITATIONS & STANDARDS**

3.A.1 Except as otherwise specified or limited herein, the permittee shall not cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial, or waste disposal process, which exceeds forty (40) percent opacity subject to the exceptions provided in (a) and (b):

- (a) Start-up operations may produce emissions which exceed 40% opacity for up to fifteen (15) minutes per start-up in any one hour and not to exceed three (3) start-ups per stack in any twenty-four (24) hour period.
- (b) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed sixty (60) percent opacity and provided further that the aggregate duration of such emissions during any twenty-four (24) hour period does not exceed ten (10) minutes per billion BTU gross heating value of fuel in any one hour.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.A.)

3.A.2 Except as otherwise specified or limited herein, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity, equivalent to that provided in Condition 3.A.1. This shall not apply to vision obscuration caused by uncombined water droplets.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.B.)

3.A.3 The permittee shall not cause, permit, or allow the emission of particles or any contaminants in sufficient amounts or of such duration from any process as to be injurious to humans, animals, plants, or property, or to be a public nuisance, or create a condition of air pollution.

- (a) The permittee shall not cause or permit the handling, transporting, or storage of any material in a manner which allows or may allow unnecessary amounts of particulate matter to become airborne.
- (b) When dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape from a building or equipment in such a manner and amount as to cause a nuisance to property other than that from which it originated or to violate any other provision of Regulation 11 Miss. Admin. Code Pt. 2, Ch. 1, the Commission may order such corrected in a way that all air and gases or air and gas-borne material leaving the building or equipment are controlled or removed prior to discharge to the open air.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.C.)

**B. EMISSION POINT SPECIFIC EMISSION LIMITATIONS & STANDARDS**

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter	Limit / Standard
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the Title V Operating Permit issued on May 19, 2004, and modified on June 14, 2011	3.B.1	HAP (Total)	≤ 24.0 tons/yr
		3.B.2	HAP (Individual)	≤ 9.0 tons/yr
	11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).	3.B.3	PM (Filterable Only)	$E = 4.1 \times p^{0.67}$
	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the Title V Operating Permit issued on December 12, 2013	3.B.4	Blowing Agent Restriction	Usage of volatile organic HAP containing blowing agent is prohibited
AC-002 AC-003 AC-004 AC-005 AC-006 AC-008	11 Miss. Admin. Code Pt. 2, R. 2.2.B(10), as established in the Title V Operating Permit issued on May 19, 2004, and modified on June 14, 2011	3.B.5	VOC	≤ 105 tons/yr
	40 CFR 63, Subpart OOOOOO (National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources)	3.B.6	HAP	Applicability
	40 CFR 63.11414(a), Subpart OOOOOO			
	40 CFR 63.11416(b) and (e), Subpart OOOOOO	3.B.7		Usage of methylene chloride is prohibited
AC-007	40 CFR 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines)	3.B.8		Applicability
	40 CFR 63.6585(a) through (c), Subpart ZZZZ			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.B.9	PM	≤ 0.6 lb/MMBTU
	40 CFR 63.6625(e), (f), and (h), Subpart ZZZZ	3.B.10	Operation and Maintenance	Monitoring
	40 CFR 63.6640(f)(1)-(3), Subpart ZZZZ	3.B.11	Hours of Operation	Monitoring
	40 CFR 60, Subpart Kb (Standards of Performance for	3.B.12	VOC	

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter	Limit / Standard
AT-016 AT-017	Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984)  40 CFR 60.110b(a), Subpart Kb			Applicability
	40 CFR 60.116b(d), Subpart Kb	3.B.13		Must store only permitted contents and emission standards are not applicable

3.B.1 For the entire facility, the permittee shall not emit more than 24.0 tons per year (tons/yr) of total combined hazardous air pollutants (HAPs) for each consecutive 12-month period on a rolling monthly basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

3.B.2 For the entire facility, the permittee shall not emit more than 9.0 tons per year (tons/yr) of any single hazardous air pollutants (HAP) for each consecutive 12-month period on a rolling monthly basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

3.B.3 For the entire facility, the permittee shall not cause, allow, or permit the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship

$$E = 4.1 \times p^{0.67},$$

where “E” is the emission rate in pounds per hour and “p” is the process weight input rate in tons per hour.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).)

3.B.4 For the entire facility, the permittee is prohibited from using any blowing agent containing volatile organic HAP in any of their processes.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

3.B.5 For Emission Points AC-002, AC-003, AC-004, AC-005, and AC-006, the permittee shall not emit more than 105 tons per year (tons/yr) of volatile organic compounds (VOCs) in any consecutive 12-month period on a rolling monthly basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

- 3.B.6 For Emission Points AC-002, AC-003, AC-004, AC-005, AC-006, and AC-008, the permittee is subject to and shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources (40 CFR 63, Subpart OOOOOO) and the General Provisions (40 CFR 63, Subpart A).

(Ref.: 40 CFR 63.11414(a), Subpart OOOOOO)

- 3.B.7 For Emission Points AC-002, AC-003, AC-004, AC-005, AC-006, and AC-008, the permittee is prohibited from using material containing methylene chloride for any purpose in any of their slabstock flexible foam production process. The permittee is also prohibited from using any adhesive containing methylene chloride in any of the flexible polyurethane foam fabrication processes.

(Ref.: 40 CFR 63.11416(b) and (e), Subpart OOOOOO)

- 3.B.8 For Emission Point AC-007, the permittee is subject to and shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ) and the General Provisions (40 CFR 63, Subpart A).

(Ref.: 40 CFR 63.6585(a) through (c), Subpart ZZZZ)

- 3.B.9 For Emission Point AC-007, the maximum permissible emission of ash and/or particulate matter (PM) from fossil fuel burning installations of less than ten (10) million BTU (MMBTU) per hour heat input shall not exceed 0.6 pounds per MMBTU per hour heat input.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).)

- 3.B.10 For Emission Point AC-007, the permittee shall comply with the following requirements:

- (a) Operate and maintain the stationary RICE and after-treatment control device (if any) in accordance with the manufacturer's emission-related written instruction or develop a maintenance plan that provides to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions;
- (b) The permittee must install a non-resettable hour meter, if not already installed; and
- (c) During periods of startup, the permittee shall minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for appropriate and

safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

(Ref.: 40 CFR 63.6625(e), (f), and (h), Subpart ZZZZ)

3.B.11 For Emission Point AC-007, the permittee shall operate the engine according to the following:

- (a) There is no time limit on the use of the engine during emergency situations.
- (b) The engine may be operated for the purpose of maintenance checks and readiness testing in accordance with recommendations by the vendor, manufacturer, insurance company associated with the engine, or local, State or Federal government. Such testing is limited to 100 hours per calendar year. Except, the engine may be operated for maintenance checks and readiness testing beyond 100 hours per year if required by Federal, State, or local standards. In such case, the permittee shall maintain records of the applicable standards.
- (c) The engine may be operated up to 50 hours per year in non-emergency situations; however, those 50 hours count towards the 100-hour limit in paragraph (b) above.

(Ref.: 40 CFR 63.6640(f)(1) through (3), Subpart ZZZZ)

3.B.12 For Emission Points AT-016 and AT-017, the permittee is subject to and shall comply with all applicable requirements of the Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, (40 CFR 60, Subpart Kb) and the General Provisions (40 CFR 60, Subpart A).

(Ref.: 40 CFR 60.110b(a), Subpart Kb)

3.B.13 For Emission Points AT-016 and AT-017, the permittee shall store only toluene diisocyanate in tank AT-016 and only polyol in tank AT-017. The permittee shall not be authorized to substitute any other volatile organic material in place of the permitted substances listed for each of the tanks subject to 40 CFR 60, Subpart Kb.

(Ref.: 40 CFR 60.116b(d), Subpart Kb)

C. INSIGNIFICANT AND TRIVIAL ACTIVITY EMISSION LIMITATIONS & STANDARDS

Applicable Requirement	Condition Number	Pollutant / Parameter	Limit / Standard
11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.C.1	PM	≤ 0.6 lb/MMBTU
11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.C.2	SO <sub>2</sub>	≤ 4.8 lb/MMBTU

3.C.1 The maximum permissible emission of ash and/or particulate matter (PM) from fossil fuel burning installations of less than ten (10) million BTU (MMBTU) per hour heat input shall not exceed 0.6 pounds per MMBTU per hour heat input.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).)

3.C.2 The maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per MMBTU heat input.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).)



D. WORK PRACTICE STANDARDS

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter	Limit / Standard
AC-007	40 CFR 63.6603(a) and Table 2d, Subpart ZZZZ	3.D.1	HAP	Maintenance Requirements
	40 CFR 63.6605(a) and (b), Subpart ZZZZ	3.D.2		Operate and maintain in accordance with safety and good air pollution control practices

3.D.1 For Emission Point AC-007, the permittee must comply with the following requirements except during periods of startup:

- (a) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (b) Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first; and
- (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

The permittee may utilize an oil analysis program in order to extend the specified oil change requirement in paragraph (a) above, provided the analysis analyzes the parameters identified in 40 CFR 63.6625(i), Subpart ZZZZ.

(Ref.: 40 CFR 63.6603(a) and Item 4 of Table 2d, Subpart ZZZZ)

3.D.2 For Emission Point AC-007, the permittee shall be in compliance with the emission limitations, operating limitations, and all other applicable requirements in Subpart ZZZZ at all times. The permittee shall operate and maintain the engine, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

(Ref.: 40 CFR 63.6605(a) and (b), Subpart ZZZZ)

## **SECTION 4. COMPLIANCE SCHEDULE**

- 4.1 Unless otherwise specified herein, the permittee shall be in compliance with all requirements contained herein upon issuance of this permit.
- 4.2 Except as otherwise specified herein, the permittee shall submit to the Permit Board and to the Administrator of EPA Region IV a certification of compliance with terms and conditions contained in this permit (including emission limitations, standards, or work practices) by January 31 of each year for the preceding calendar year. Each compliance certification shall include the following information:
- (a) The identification of each term or condition of the permit that is the basis of the certification;
  - (b) The compliance status;
  - (c) Whether compliance was continuous or intermittent;
  - (d) The method(s) used for determining the compliance status of the source, currently and over the applicable reporting period; and
  - (e) Such other facts as may be specified as pertinent in specific conditions elsewhere in this permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(5)(a), (c), and (d).)

## **SECTION 5. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS**

### **A. GENERAL MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS**

5.A.1 The permittee shall install, maintain, and operate equipment and/or institute procedures as necessary to perform the monitoring and recordkeeping specified below.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).)

5.A.2 In addition to the recordkeeping specified below, the permittee shall include with all records of required monitoring the following information:

- (a) The date, place as defined in the permit, and time of sampling or measurements;
- (b) The date(s) analyses were performed;
- (c) The company or entity that performed the analyses;
- (d) The analytical techniques or methods used;
- (e) The results of such analyses; and
- (f) The operating conditions existing at the time of sampling or measurement.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(1).)

5.A.3 Except where a longer duration is specified in an applicable requirement, the permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)

5.A.4 Except as otherwise specified herein, the permittee shall submit reports of any required monitoring by July 31 and January 31 of each calendar year for the preceding six-month period. All instances of deviations from permit requirements must be clearly identified in such reports and all required reports must be certified by a responsible official consistent with Regulation 11 Miss. Admin. Code Pt. 2, R. 6.2.E.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)

5.A.5 Except as otherwise specified herein, the permittee shall report all deviations from permit requirements (including those attributable to upsets), the probable cause of such

deviations, and any corrective actions or preventive measures taken. The report shall be made within five (5) working days of the time the deviation began.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(2).)

- 5.A.6 Except as otherwise specified herein, the permittee shall perform emissions sampling and analysis in accordance with EPA Test Methods and with any continuous emission monitoring requirements, if applicable. All test methods shall be those versions, or their equivalents approved by the DEQ and the EPA.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).)

- 5.A.7 The permittee shall maintain records of any alterations, additions, or changes in equipment or operation.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).)

**B. SPECIFIC MONITORING AND RECORDKEEPING REQUIREMENTS**

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant / Parameter Monitored</b>	<b>Monitoring / Recordkeeping Requirement</b>
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.B.1	VOC/HAP	Monitoring and recordkeeping of VOC and HAP containing material
AC-002 AC-003 AC-004 AC-005 AC-006 AC-008	40 CFR 63, Subpart OOOOOO (National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources)  40 CFR 63.11416(f), Subpart OOOOOO	5.B.2	HAP	Maintain SDS sheets and engineering calculations for adhesives
	40 CFR 63.11417(d), Subpart OOOOOO	5.B.3	Operation and Maintenance	Recordkeeping
AA-007	40 CFR 63.6655(e) and (f), and 63.6660(b) and (c), Subpart ZZZZ	5.B.4	Operation and Maintenance	Recordkeeping
AT-016 AT-017	40 CFR 60, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984)  40 CFR 60.116b(a) and (b), Subpart Kb	5.B.5	Storage Vessel	Recordkeeping of storage vessel dimensions and capacity

5.B.1 For the entire facility, the permittee shall maintain sufficient records to document:

- (a) Identification of the polyol, non-reactive amine catalyst(s), or other VOC or HAP containing material used, and the total pounds of polyol and each catalyst used on a monthly basis and for each consecutive 12-month period on a rolling basis.
- (b) The VOC and HAP content(s) of the polyol, non-reactive amine catalyst(s), or other VOC or HAP containing material used. A description of the method used to determine the VOC and HAP content shall accompany this data. The permittee can use manufacturer-supplied information in the form of safety data sheet(s) (SDS) and/or specification sheets to determine product VOC and HAP content(s).
- (c) The density of the polyol, non-reactive amine catalyst(s), or other VOC or HAP containing material.

- (d) The emission rates in tons per year for VOCs from AC-002, AC-003, AC-004, AC-005, AC-006, and AC-008 and the individual HAP and combined total HAPs for the entire facility including tank emissions based on a 12-month rolling total.
- (e) The permittee shall maintain copies of all records and reports on site for at least five (5) years and shall make them available upon request by the Mississippi Department of Environmental Quality (MDEQ) personnel.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

- 5.B.2 For Emission Points AC-002, AC-003, AC-004, AC-005, AC-006, and AC-008, the permittee shall demonstrate compliance with Condition 3.B.7 using adhesive usage records, Safety Data Sheets (SDS), and engineering calculations.

(Ref.: 40 CFR 63.11416(f), Subpart OOOOOO)

- 5.B.3 For Emission Points AC-002, AC-003, AC-004, AC-005, AC-006, and AC-008, the permittee must maintain records of the information used to demonstrate compliance with Condition 5.B.2. The permittee must maintain the records for 5 years, with the last 2 years of data retained on site. The remaining 3 years of the data may be maintained off site.

(Ref.: 40 CFR 63.11417(d), Subpart OOOOOO)

- 5.B.4 For Emission Point AC-007, the permittee shall maintain the following records and keep readily accessible for at least five (5) years after the date of each occurrence:

- (a) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §63.10(b)(2)(xiv);
- (b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment;
- (c) Records of actions taken during periods of malfunction to minimize emissions in accordance with Condition 3.D.2, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation;
- (d) Records of the maintenance conducted on the emergency engine and after-treatment control device (if any) according to the permittee's own maintenance plan.

- (e) The hours of operation of the engine must be recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the event as an emergency, and how many hours are non-emergency operations.

(Ref.: 40 CFR 63.6655(e) and (f), and 63.6660(b) and (c), Subpart ZZZZ)

- 5.B.5 For Emission Points AT-016 and AT-017, the permittee shall, for the life of each storage vessel, keep readily accessible records showing the dimension of each storage vessel and an analysis showing the capacity of each storage vessel.

(Ref.: 40 CFR 60.116b(a) and (b), Subpart Kb)



**C. SPECIFIC REPORTING REQUIREMENTS**

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant / Parameter Monitored</b>	<b>Reporting Requirement</b>
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.C.1	VOC/HAP	Semi-annual reporting
	11 Miss. Admin. Code Pt. 2, R. 6.3.C(5).	5.C.2	Blowing Agent Restriction	Annual certification
AA-007	40 CFR 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines)  40 CFR 63.6640(b) and 63.6650(a)-(d), Subpart ZZZZ	5.C.3	TVP	Monitoring and Reporting Compliance
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.C.4		
AT-016 AT-017	40 CFR 60, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984)  40 CFR 60.116b(d), Subpart Kb	5.C.5	TVP	Report maximum true vapor pressure exceedance of 5.2 kPa (0.754 psia)

5.C.1 For the entire facility, the permittee shall submit semi-annual reports in accordance with Condition 5.A.4 providing:

- (a) Identification of the polyol, non-reactive amine catalyst(s), or other VOC or HAP containing material used. The permittee can use generic descriptions for reporting purposes to identify these chemical products used in polyurethane foam manufacturing processes.
- (b) The VOC and HAP content(s) of polyol, non-reactive amine catalyst(s), or other VOC or HAP containing material used. A description of the method used to determine the VOC and HAP content shall accompany this data. The permittee can use manufacturer-supplied information in the form of Safety Data Sheet(s)

(SDS) and/or specification sheets to determine product VOC and HAP content(s).

- (c) The maximum daily and total pounds of the polyol, non-reactive amine catalyst(s), or other VOC or HAP containing material used in any consecutive 12-month period.
- (d) The total VOC emission rate for AC-002, AC-003, AC-004, AC-005, and AC-006, the emission rate of each individual HAP and total combined HAP for the entire facility in tons per year for each consecutive 12-month period on a rolling basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

- 5.C.2 For the entire facility, the permittee shall certify as part of the annual certification of compliance in accordance with Condition 4.2 that no other blowing agent is used other than those approved by MDEQ for the previous operating year, which are CO<sub>2</sub>, pentane, and methyl formate.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(5).)

- 5.C.3 For Emission Point AC-007, the permittee shall report in accordance with Condition 5.A.4. each instance in which each applicable operating limitation was not met. These deviations shall be reported according to the following requirements:

- (a) If there were no deviations from any applicable emission limitations or operating limitations, a statement shall be included that there were no deviations from the emission limitations or operating limitations during the reporting period; or
- (b) If there was a deviation from any emission limitation or operating limitation during the reporting period, then the compliance report shall contain the following information:
  - (1) Company name and address.
  - (2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
  - (3) Date of report and beginning and ending dates of the reporting period.
  - (4) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.
  - (5) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

- (c) If there was a malfunction during the reporting period, the compliance report shall include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report shall also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions, including actions taken to correct a malfunction.

(Ref.: 40 CFR 63.6640(b) and 63.6650(a)-(d), Subpart ZZZZ)

- 5.C.4 For Emission Point AC-007, the permittee shall submit a summary report in accordance with Condition 5.A.4 of the hours of operation including all the information required by Condition 5.B.4(e).

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

- 5.C.5 For Emission Points AT-016 and AT-017, the permittee shall notify the Mississippi Department of Environmental Quality (MDEQ) within thirty (30) days when the maximum true vapor pressure of the liquid exceeds 5.2 kPa (0.754 psia). Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined in 40 CFR 60.116b(e), Subpart Kb.

(Ref.: 40 CFR 60.116b(d), Subpart Kb)

**SECTION 6. ALTERNATIVE OPERATING SCENARIOS**

6.1 None permitted.

## SECTION 7. TITLE VI REQUIREMENTS

The following are applicable or potentially applicable requirements originating from Title VI of the Clean Air Act – Stratospheric Ozone Protection. The full text of the referenced regulations may be found on-line at <http://www.ecfr.gov/> under Title 40, or DEQ shall provide a copy upon request from the permittee.

- 7.1 If the permittee produces, transforms, destroys, imports or exports a controlled substance or imports or exports a controlled product, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart A – Production and Consumption Controls.
- 7.2 If the permittee performs service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart B – Servicing of Motor Vehicle Air Conditioners.
- 7.3 The permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart E – The Labeling of Products Using Ozone-Depleting Substances, for the following containers and products:
  - (a) All containers in which a class I or class II substance is stored or transported;
  - (b) All products containing a class I substance; and
  - (c) All products directly manufactured with a process that uses a class I substance, unless otherwise exempted by this subpart or, unless EPA determines for a particular product that there are no substitute products or manufacturing processes for such product that do not rely on the use of a class I substance, that reduce overall risk to human health and the environment, and that are currently or potentially available. If the EPA makes such a determination for a particular product, then the requirements of this subpart are effective for such product no later than January 1, 2015.
- 7.4 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart F – Recycling and Emissions Reduction:
  - (a) Servicing, maintaining, or repairing appliances containing class I, class II or non-exempt substitute refrigerants;
  - (b) Disposing of appliances, including small appliances and motor vehicle air conditioners; or
  - (c) Refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery

equipment, approved recycling and recovery equipment testing organizations, as well as persons selling, offering for sale, and/or purchasing class I, class II, or non-exempt substitute refrigerants.

- 7.5 The permittee shall be allowed to switch from any ozone-depleting substance to any acceptable alternative that is listed in the Significant New Alternatives Policy (SNAP) program promulgated pursuant to 40 CFR Part 82, Subpart G – Significant New Alternatives Policy Program. The permittee shall also comply with any use conditions for the acceptable alternative substance.
- 7.6 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart H – Halon Emissions Reduction:
- (a) Any person testing, servicing, maintaining, repairing, or disposing of equipment that contains halons or using such equipment during technician training;
  - (b) Any person disposing of halons;
  - (c) Manufacturers of halon blends; or
  - (d) Organizations that employ technicians who service halon-containing equipment.

# APPENDIX A

## List of Abbreviations Used In this Permit

11 Miss. Admin. Code Pt. 2, Ch. 1.	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants
11 Miss. Admin. Code Pt. 2, Ch. 2.	Permit Regulations for the Construction and/or Operation of Air Emissions Equipment
11 Miss. Admin. Code Pt. 2, Ch. 3.	Regulations for the Prevention of Air Pollution Emergency Episodes
11 Miss. Admin. Code Pt. 2, Ch. 4.	Ambient Air Quality Standards
11 Miss. Admin. Code Pt. 2, Ch. 5.	Regulations for the Prevention of Significant Deterioration of Air Quality
11 Miss. Admin. Code Pt. 2, Ch. 6.	Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act
11 Miss. Admin. Code Pt. 2, Ch. 7.	Acid Rain Program Permit Regulations for Purposes of Title IV of the Federal Clean Air Act
BACT	Best Available Control Technology
CEM	Continuous Emission Monitor
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COM	Continuous Opacity Monitor
COMS	Continuous Opacity Monitoring System
DEQ	Department of Environmental Quality
EPA	Environmental Protection Agency
gr/dscf	Grains Per Dry Standard Cubic Foot
HP	Horsepower
HAP	Hazardous Air Pollutant
lb/hr	Pounds per Hour
M or K	Thousand
MACT	Maximum Achievable Control Technology
MM	Million
MMBTU/H	Million British Thermal Units per Hour
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emissions Standards for Hazardous Air Pollutants, 40 CFR Part 61; or National Emission Standards for Hazardous Air Pollutants for Source Categories, 40 CFR Part 63
NM VOC	Non-Methane Volatile Organic Compounds
NO <sub>x</sub>	Nitrogen Oxides
NSPS	New Source Performance Standards, 40 CFR Part 60
O&M	Operation and Maintenance
PM	Particulate Matter
PM <sub>10</sub>	Particulate Matter less than 10 µm in diameter
PM <sub>2.5</sub>	Particulate Matter less than 2.5 µm in diameter
ppm	Parts per Million
PSD	Prevention of Significant Deterioration

SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur Dioxide
SSM	Startup, Shutdown, and Malfunction
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant
VOHAP	Volatile Organic Hazardous Air Pollutant
VOC	Volatile Organic Compound