

**STATE OF MISSISSIPPI
AIR POLLUTION CONTROL
TITLE V PERMIT
TO OPERATE AIR EMISSIONS EQUIPMENT
THIS CERTIFIES THAT**

Gulf Ship LLC
12351 Glascock Drive
Gulfport, Mississippi
Harrison 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) 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.

Permit Issued:

Effective Date: As specified herein.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

**AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

Expires:

Permit No.: 1020-00185

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40 CFR PART 63, SUBPART A – GENERAL PROVISIONS

**40 CFR PART 63, SUBPART II – NATIONAL EMISSION STANDARDS FOR
SHIPBUILDING AND SHIP REPAIR (SURFACE COATING)**

SECTION 1. GENERAL CONDITIONS

- 1.1 The permittee must comply with all conditions of this permit. Any permit noncompliance 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 This 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
 - (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 3 or more years. Such a reopening shall be completed no later than 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 emission 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 this permit shall follow the same procedures as apply to initial permit issuance and shall only affect 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 DEQ at least 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 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 This 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 permit fee. The amount of fee shall be determined each year based on the provisions of regulated pollutants for fee purposes and the fee schedule specified in the Commission on Environmental Quality's order which shall be issued in accordance with the procedure outlined in Regulation 11 Miss. Admin. Code Pt. 2, Ch. 6.)
 - (a) For purposes of fee assessment and collection, the permittee shall elect for actual 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. 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. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.A(2).)
 - (b) If the Commission determines that there is not sufficient information available on a

facility's emissions, the determination of the fee shall be based upon the permitted allowable emissions until such time as an adequate determination of actual emissions is made. Such determination may be made anytime within one year of the submittal of actual emissions data by the permittee. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.A(2).) If at any time within the year the Commission determines that the information submitted by the permittee on actual emissions is insufficient or incorrect, the permittee will be notified of the deficiencies and the adjusted fee schedule. Past due fees from the adjusted fee schedule will be paid on the next scheduled quarterly payment time. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.D(2).)

- (c) The fee shall be due September 1 of each year. By July 1 of each year the permittee shall submit an inventory of emissions for the previous year on which the fee is to be assessed. The permittee may elect a quarterly payment method of four (4) equal payments; notification of the election of quarterly payments must be made to the DEQ by the first payment date of September 1. The permittee shall be liable for penalty as prescribed by State Law for failure to pay the fee or quarterly portion thereof by the date due. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.D.)
- (d) If in disagreement with the calculation or applicability of the Title V permit 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.C.)

- 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 where such applicable requirements are included and are specifically identified in the permit or where the permit contains a determination, or summary thereof, by the Permit Board that requirements specifically identified previously are not applicable to the source. (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 pursuant to Section 112(r) of the Act to register such a plan. (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 which is submitted at least six (6) months prior to expiration of the Title V permit. If the permittee submits a timely and complete application, the failure to have a Title V permit is not a

violation of 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. 6.4.C(2)., R. 6.4.B., and R. 6.2.A(1)(c).)

- 1.18 The permittee is authorized to make changes within their facility without requiring a permit revision (ref: Section 502(b)(10) of the Act) if:
- (a) the changes are not modifications under any provision of Title I of the 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 (at least seven (7) days, or such other time frame as provided in other regulations for emergencies) and the notification includes:
 - (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 the permittee's previously approved Emissions Reduction Schedule or, in the absence of an approved schedule, with the appropriate requirements specified in 11 Miss. Admin. Code Pt. 2, Ch. 3., "Regulations for the Prevention of Air Pollution Emergency Episodes" for the level of emergency declared. (Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 3.)
- 1.20 Except as otherwise provided herein, a modification of the facility may require a Permit to Construct in accordance with the provisions of Regulations 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 Regulations 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 "[a]ny 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 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or
 - (2) the source is approved to use under any permit issued under 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166;
- (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 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Subpart I or 40 CFR 51.166; or
- (f) any change in ownership of the stationary source."

1.21 Any change in ownership or operational control must be approved by the Permit Board. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.D(4).)

1.22 This permit is a Federally approved operating permit under Title V of the Federal Clean Air Act as amended in 1990. All terms and conditions, including any designed to limit the source'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 Emergency Air Pollution Episode Alert imposed by the Executive Director 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 50 yards of an occupied dwelling.
- (c) Burning must not occur within 500 yards of commercial airport property, private air fields, 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 provision with respect to emergencies.

- (a) Except as otherwise specified herein, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
- (b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.
- (c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows:
 - (1) an emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - (2) the permitted facility was at the time being properly operated;
 - (3) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

- (4) the permittee submitted notice of the emergency to the DEQ within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
 - (d) In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.G.)
- 1.25 Except as otherwise specified herein, the permittee shall be subject to the following provisions with respect to upsets, startups, and shutdowns.
- (a) Upsets
 - (1) For an upset defined in 11 Miss. Admin. Code Pt. 2, R. 1.2., 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 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 noncompliance, and the corrective actions taken and;
 - (v) That as soon as practicable but no later than 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) Startups and Shutdowns (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.)
- (1) Startups and shutdowns are part of normal source operation. Emission limitations apply during startups and shutdowns unless source specific emission limitations or work practice standards for startups 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 this regulation, 11 Mississippi Administrative Code, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for startups and shutdowns. Source specific emission limitations or work practice standards established for startups 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 startup or shutdown, see the upset requirements above.
- 1.26 The permittee shall comply with all applicable standards for demolition and renovation activities pursuant to the requirements of 40 CFR Part 61, Subpart M, 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.

SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES

Emission Point	Description
AA-100	Surface Coating Operations of marine vessel components.
AA-200	Metal Working Operations, including plasma arc and oxy torch cutting; abrasive blasting (sand; black beauty, garnet, and steel shot); welding.
AA-300	Fuel Burning Equipment, including natural gas and acetylene-fired torches.
AA-400	One 500 gallon diesel storage tank and one 500 gallon gasoline storage tank.
AA-500	Miscellaneous Operations including woodworking activities in the carpenter shop for construction and repair of marine vessel components.

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) & (b).
- (a) Startup operations may produce emissions which exceed 40% opacity for up to fifteen (15) minutes per startup in any one hour and not to exceed three (3) startups 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 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 Paragraph 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.)

B. Emission Point Specific Emission Limitations & Standards

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant / Parameter	Limit/Standard
Facility-wide	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2). PSD Avoidance	3.B.1	PM / PM ₁₀ / PM _{2.5}	≤ 249 TPY
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2). PSD Avoidance	3.B.2	VOC	≤ 249 TPY
AA-100	NESHAP for Shipbuilding and Ship Repair (Surface Coating), 40 CFR 63, Subpart II 40 CFR 63.780, Subpart II; 40 CFR 63.781, Subpart II; and 40 CFR 63.782, Subpart II	3.B.3	VOHAPs	Applicability
	40 CFR 63.781(b), Subpart II	3.B.4	VOHAPs	An as-applied VOHAP content limit dependent on the type of coating. Exemption for ≤ 52.8 gallons per year of any individual coating and ≤ 264 gallons per year for total combined coatings, except for labelling and recordkeeping
	40 CFR 63.783(a), Subpart II	3.B.5	VOHAPs	An as-applied VOHAP content limit dependent on the type of coating.
AA-300	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.6	SO ₂	4.8 lbs/MMBTU
	11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(a).	3.B.7	PM	0.6 lbs/MMBTU

3.B.1 For the entire facility, the permittee shall limit emissions of total particulate matter (PM / PM₁₀ / PM_{2.5}) to 249 tpy or each rolling, consecutive 12-month period.

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

- 3.B.2 For the entire facility, the permittee shall limit emissions of Volatile Organic Compounds (VOC) to 249 tpy for each rolling, consecutive 12-month period.

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

- 3.B.3 For Emission Point AA-100, the permittee is subject and shall comply with the National Emission Standards for Hazardous Air Pollutants (HAP) for Shipbuilding and Ship Repair (Surface Coating), 40 CFR Part 63, Subpart II.

(Ref.: 40 CFR 63.780; 40 CFR 63.781; 40 CFR 63.782; and 40 CFR 63.783(a), Subpart II)

- 3.B.4 For Emission Point AA-100, for coatings which are used in volumes of less than 52.8 gallons per year for any individual coating and a total of less than 264 gallons per year for total combined coatings, the provisions of 40 CFR 63, Subpart II, do not apply, except that coatings shall be clearly labeled as "low-usage exempt," and the volume of each such coating applied shall be maintained in the facility's records.

(Ref.: 40 CFR 63.781(b), Subpart II)

- 3.B.5 For Emission Point AA-100, the permittee shall not cause or allow the application of any coating to a ship with an as-applied Volatile Organic Hazardous Air Pollutant (VOHAP) content exceeding the applicable limit given in Table 2 of 40 CFR 63, Subpart II, as determined by the procedures described in Conditions 5.B.4(a) through (d). For compliance procedures described in Conditions 5.B.4(a) through (c), VOC shall be used as a surrogate for VOHAP, and Method 24 of 40 CFR Part 60, Appendix A, shall be used as the definitive measure for determining compliance. For compliance procedures described in Condition 5.B.4(d), the permittee shall use an alternative test method capable of measuring independent VOHAP to determine compliance. The method must be submitted to and approved by the MDEQ.

(Ref.: 40 CFR 63.783(a) Subpart II)

- 3.B.6 For Emission Point AA-300, the permittee shall not exceed a maximum discharge of sulfur oxides 4.8 pounds (measured as sulfur dioxide) per million BTU heat input.

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

- 3.B.7 For Emission Point AA-300, the maximum permissible emission of ash and/or particulate matter shall not exceed 0.6 pounds per million BTU per hour heat input.

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

C. Insignificant and Trivial Activity Emission Limitations & Standards

Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
11 Miss. Admin. Code Pt. 2, R. 1.3. D(1)(a)	3.C.1	PM	0.6 lbs/MMBTU or as otherwise limited by facility modification restrictions
11 Miss. Admin. Code Pt. 2, R. 1.4.A(1)	3.C.2	SO ₂	4.8 lbs/MMBTU or as otherwise limited by facility modification restrictions

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

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

There are no other requirements applicable to the insignificant activities listed in the source's Title V permit application.

D. Work Practice Standards

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/Parameter	Limit/Standard
AA-001	40 CFR 63.783(b)(1), Subpart II	3.D.1	VOHAP	Minimizing Emissions
	40 CFR 63.783(b)(2) and (3), Subpart II	3.D.2	VOHAP	Handling and Transfer Requirements.

3.D.1 For Emission Point AA-100, the permittee shall, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the MDEQ which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(Ref.: 40 CFR 63.783(b)(1), Subpart II)

3.D.2 For Emission Point AA-100, the permittee shall ensure that:

- (a) All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills; and
- (b) All containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them.

(Ref.: 40 CFR 63.783(b)(2) and (3), Subpart II)

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 permit terms and conditions, including emission limitations, standards, or work practices, by January 31 for the preceding calendar year. Each compliance certification shall include the following:
- (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;
 - (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), & (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 information the following:

- (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 as otherwise specified herein, 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 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 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. Said report shall be made within five (5) 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

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter Monitored	Monitoring/Recordkeeping Requirement
Facility-wide	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.B.1	PM / PM ₁₀ / PM _{2.5}	Monitoring and recordkeeping requirements
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.B.2	VOC	Monitoring and recordkeeping requirements
AA-100	40 CFR 63.785(a), Subpart II	5.B.3	VOHAP	Determination of VOHAP limit and certification of compliance.
	40 CFR 63.785(b)-(d), Subpart II	5.B.4	VOHAP	
	40 CFR 63.786(a)-(c), Subpart II	5.B.5	VOHAP	General operating requirements
	40 CFR 63.786(d), Subpart II	5.B.6	VOHAP	General operating requirements
	40 CFR 63.788(a) and (b), Subpart II	5.B.7	VOHAP	Monitoring and recordkeeping requirements
	40 CFR 63.781(b) and 63.788 (b)(1), Subpart II	5.B.8	VOHAP	Recordkeeping requirements

5.B.1 For the entire facility, the permittee shall monitor and maintain records of the following for each PM- producing material:

- (a) The total quantity of each particulate matter producing material which may include, but is not limited, to abrasive blasting medium, welding wire, electrodes consumed/used on a monthly and consecutive, rolling twelve month basis; and
- (b) The PM, PM₁₀, and PM_{2.5} emissions calculated in tons per year (tpy) on a monthly and consecutive, rolling twelve month basis.

5.B.2 For the entire facility, the permittee shall monitor and maintain records of the following for each VOC- containing material:

- (a) The total quantity (gallons or pounds) of each VOC-containing material used on a monthly and consecutive, rolling twelve month basis;
- (b) The density in pounds per gallon (lbs/gallon) for each VOC-containing material used on a monthly and consecutive, rolling twelve month basis;
- (c) The permittee may utilize data supplied by the manufacturer, or analysis of VOCs by EPA Test Method 24, 40 CFR 60, Appendix A; and

- (d) The VOC emissions calculated in tons per year (tpy) on a monthly and consecutive, rolling twelve month basis.

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

5.B.3 For Emission Point AA-100, for each batch of coating received for use, the permittee shall:

- (a) Determine the coating category and applicable VOHAP limit as specified in Condition 3.B.5; and
- (b) Certify the as-supplied VOC content of the batch of coating. The permittee may use a certification supplied by the manufacturer for the batch, although the permittee retains liability should subsequent testing reveal a violation. If the permittee performs the certification testing, only one of the containers in which the batch of coating was received is required to be tested.

(Ref.: 40 CFR 63.785(a), Subpart II)

5.B.4 For Emission Point AA-100, in lieu of testing each batch of coating, as applied, the permittee may determine compliance with the VOHAP limits using any combination of the procedures described below. The procedure used for each coating shall be determined and documented prior to application. The results of any compliance demonstration conducted by the permittee or any regulatory agency using Method 24 shall take precedence over the results using the procedures described below. The results of any compliance demonstration conducted by the permittee or any regulatory agency using an approved test method to determine VOHAP content shall take precedence over the results using the procedures in Condition 5.B.4(d).

- (a) For coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added, the permittee shall:
 - (1) Certify the as-applied VOC content of each batch of coating.
 - (2) Notify the persons responsible for applying the coating that no thinning solvent may be added to the coating by affixing a label to each container of coating in the batch or through another means described in the implementation plan required in 40 CFR 63.787(b).
 - (3) If the certified as-applied VOC content of each batch of coating used during a calendar month is less than or equal to the applicable VOHAP limit in Condition 3.B.5, then compliance is demonstrated for that calendar month, unless a violation is revealed using Method 24 of appendix A to 40 CFR part 60.

- (b) For a coating to which thinning solvent is routinely or sometimes added, the permittee shall:
 - (1) Prior to the first application of each batch, designate a single thinner for the coating and calculate the maximum allowable thinning ratio (or ratios) using the equation and procedures specified in 40 CFR 63.785(c)(2)(i).
 - (2) Prior to the first application of each batch, notify painters and other persons, as necessary, of the designated thinner and maximum allowable thinning ratio(s) for each batch of the coating by affixing a label to each container of coating or through another means described in the implementation plan required in 40 CFR 63.787(b).
 - (3) By the 15th day of each calendar month, determine the volume of each batch of the coating used, as supplied during the previous month.
 - (4) By the 15th day of each calendar month, determine the total allowable volume of thinner for the coating used during the previous month using the equation specified in 40 CFR 63.785(c)(2)(iv).
 - (5) By the 15th day of each calendar month, determine the volume of thinner actually used with the coating during the previous month.
 - (6) If the volume of thinner actually used with the coating is less than or equal to the total allowable volume of thinner for the coating, then compliance is demonstrated for the coating for the previous month, unless a violation is revealed using Method 24 of appendix A to 40 CFR part 60.
- (c) For coatings to which the same thinning solvent (or other material) is routinely or sometimes added, the permittee shall:
 - (1) Designate a single thinner to be added to each coating during the month and "group" coatings according to their designated thinner.
 - (2) Prior to the first application of each batch, calculate the maximum allowable thinning ratio (or ratios, if the affected source complies with the cold weather limits in addition to the other limits specified in Table 2 of 40 CFR 63, Subpart II, for each batch of coating in the group using the equations in 40 CFR 63.785(c)(2).
 - (3) Prior to the first application of each "batch," notify painters and other persons, as necessary, of the designated thinner and maximum allowable thinning ratio(s) for each batch in the group by affixing a label to each container of coating or through another means described in the implementation plan required in 40 CFR 63.787(b).

- (4) By the 15th day of each calendar month, determine the volume of each batch of the group used, as supplied, during the previous month.
 - (5) By the 15th day of each calendar month, determine the total allowable volume of thinner for the group for the previous month using Equation 3 of 40 CFR 63, Subpart II.
 - (6) By the 15th day of each calendar month, determine the volume of thinner actually used with the group during the previous month.
 - (7) If the volume of thinner actually used with the group is less than or equal to the total allowable volume of thinner for the group, then compliance is demonstrated for the group for the previous month, unless a violation is revealed using Method 24 of appendix A to 40 CFR part 60.
- (d) For demonstrating compliance through alternative test methods, the permittee shall:
- (1) Certify the as-supplied VOHAP content (g VOHAP/L solids) of each batch of coating.
 - (2) If no thinning solvent will be added to the coating, the permittee shall follow the procedure described in Condition 5.B.4(a), except that VOHAP content shall be used in lieu of VOC content.
 - (3) If thinning solvent will be added to the coating, the permittee shall follow the procedure described Condition 5.B.4(b) or (c), except that in Equation 1 of 40 CFR 63, Subpart II, the term “mVOC” shall be replaced by the term “mVOHAP,” defined as the VOHAP content of the coating as supplied (g VOHAP/L coating) and the term “Dth” shall be replaced by the term “Dth(VOHAP)” defined as the average density of the VOHAP thinner(s) (g/L).
- (e) A violation revealed through any approved test method shall result in a 1-day violation for enforcement purposes. A violation revealed through the recordkeeping procedures described in Condition 5.B.4(a) through (d) shall result in a 30-day violation for enforcement purposes, unless the permittee provides sufficient data to demonstrate the specific days during which noncompliant coatings were applied.

(Ref.: 40 CFR 63.785(b) through (d), Subpart II)

5.B.5 For Emission Point AA-100, the permittee shall use the following test methods and procedures as applicable:

- (a) When using the compliance procedures described in Condition 5.B.4(a) through (c), the permittee shall use Method 24 of 40 CFR part 60, appendix A, for determining the VOC content of coatings, as supplied or as applied. When a coating or thinner

contains exempt compounds that are volatile HAP or VOHAP, the permittee shall ensure, when determining the VOC content of a coating, that the mass of these exempt compounds is included.

- (b) When using the compliance procedure described in Condition 5.B.4(d), the permittee shall use test methods approved by the MDEQ for determining the VOHAP content of coatings and thinners. As part of the approval, the test method must meet the specified accuracy limits described in 40 CFR 63.786(b) for sensitivity, duplicates, repeatability, and reproducibility coefficient of variation each determined at the 95 percent confidence limit.
- (c) The permittee may use batch formulation data as a test method in lieu of Method 24 of appendix A to 40 CFR part 60 to certify the as-supplied VOC content of a coating if the manufacturer or the permittee has determined that batch formulation data have a consistent and quantitatively known relationship to Method 24 results. This determination shall consider the role of cure volatiles, which may cause emissions to exceed an amount based solely upon coating formulation data. Notwithstanding such determination, in the event of conflicting results, Method 24 of appendix A of 40 CFR part 60 shall take precedence.

(Ref.: 40 CFR 63.786(a) through (c), Subpart II)

- 5.B.6 For Emission Point AA-100, the permittee shall use or ensure that the manufacturer uses the form and procedures mentioned in appendix A of 40 CFR 63, Subpart II to determine values for the thinner and coating parameters used in Equations 1 and 2 of 40 CFR 63, Subpart II. The permittee shall ensure that the coating/thinner manufacturer (or supplier) provides information on the VOC and VOHAP contents of the coatings/thinners and the procedure(s) used to determine these values.

(Ref.: 40 CFR 63.786(d), Subpart II)

- 5.B.7 For Emission Point AA-100, the permittee shall maintain files of all information (including all reports and notifications) required by this part, recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.

(Ref.: 40 CFR 63.788(a), Subpart II)

5.B.8 For Emission Point AA-100, the permittee shall keep the following records:

- (a) For coatings applied less than 52.8 gallons per year at the source to ships, provided the total volume of coating exempt under 40 CFR 63, Subpart II, does not exceed 264 gallons of annual marine coating usage throughout the entire facility, records of the total volume of coating applied at the source to ships. The permittee shall also clearly label the coating as "low-usage exempt". Such records shall be compiled monthly and maintained for a minimum of 5 years.
- (b) For coatings applied greater than 52.8 gallons per year at the source to ships, or if the total volume of coating exempt under 40 CFR 63, Subpart II, exceeds 264 gallons of annual marine coating usage throughout the entire facility, records shall be compiled on a monthly basis and maintained for a minimum of 5 years. At a minimum, these records shall include:
 - (1) All documentation supporting initial notification;
 - (2) A copy of the affected source's approved implementation plan;
 - (3) The volume of each low-usage-exempt coating applied;
 - (4) Identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit;
 - (5) Certification of the as-supplied VOC content of each batch of coating;
 - (6) A determination of whether containers meet the standards as described in Condition 3.D.2; and
 - (7) The results of any Method 24 of appendix A to 40 CFR part 60 or approved VOHAP measurement test conducted on individual containers of coating, as applied.
- (c) The records required by Condition 5.B.8(b) shall include additional information, as determined by the compliance procedure(s) described in Condition 5.B.4 that each affected source followed:
 - (1) Coatings to which thinning solvent will not be added. The records maintained by facilities demonstrating compliance using the procedure described in Condition 5.B.4(a) shall contain the following information:
 - (i) Certification of the as-applied VOC content of each batch of coating; and
 - (ii) The volume of each coating applied.

- (2) Coatings to which thinning solvent will be added—coating-by-coating compliance. The records maintained by facilities demonstrating compliance using the procedure described in Condition 5.B.4(b) shall contain the following information:
 - (i) The density and mass fraction of water and exempt compounds of each thinner and the volume fraction of solids (nonvolatiles) in each batch, including any calculations;
 - (ii) The maximum allowable thinning ratio (or ratios, if the affected source complies with the cold-weather limits in addition to the other limits specified in Table 2 of 40 CFR 63, Subpart II for each batch of coating, including calculations;
 - (iii) If an affected source chooses to comply with the cold-weather limits, the dates and times during which the ambient temperature at the affected source was below 4.5 °C (40 °F) at the time the coating was applied and the volume used of each batch of the coating, as supplied, during these dates;
 - (iv) The volume used of each batch of the coating, as supplied;
 - (v) The total allowable volume of thinner for each coating, including calculations; and
 - (vi) The actual volume of thinner used for each coating.
- (3) Coatings to which the same thinning solvent will be added—group compliance. The records maintained by facilities demonstrating compliance using the procedure described in Condition 5.B.4(c) shall contain the following information:
 - (i) The density and mass fraction of water and exempt compounds of each thinner and the volume fraction of solids in each batch, including any calculations;
 - (ii) The maximum allowable thinning ratio (or ratios, if the affected source complies with the cold-weather limits in addition to the other limits specified in Table 2 of 40 CFR 63, Subpart II, for each batch of coating, including calculations;
 - (iii) If an affected source chooses to comply with the cold-weather limits, the dates and times during which the ambient temperature at the affected source was below 4.5 °C (40 °F) at the time the coating was applied and

the volume used of each batch in the group, as supplied, during these dates;

- (iv) Identification of each group of coatings and their designated thinners;
 - (v) The volume used of each batch of coating in the group, as supplied;
 - (vi) The total allowable volume of thinner for the group, including calculations; and
 - (vii) The actual volume of thinner used for the group.
- (4) Demonstration of compliance through an alternative (i.e., non-Method 24 in appendix A to 40 CFR part 60) test method. The records maintained by facilities demonstrating compliance using the procedure described in Condition 5.B.4(d) shall contain the following information:
- (i) Identification of the Administrator-approved VOHAP test method or certification procedure;
 - (ii) For coatings to which the affected source does not add thinning solvents, the source shall record the certification of the as-supplied and as-applied VOHAP content of each batch and the volume of each coating applied;
 - (iii) For coatings to which the affected source adds thinning solvent on a coating-by-coating basis, the source shall record all of the information required to be recorded by Condition 5.B.8(c)(2); and
 - (iv) For coatings to which the affected source adds thinning solvent on a group basis, the source shall record all of the information required to be recorded by Condition 5.B.8(c)(3).
- (d) If the permittee detects a violation of the standards specified in Conditions 3.B.5, 3.D.1, or 3.D.2, the permittee shall, for the remainder of the reporting period during which the violation(s) occurred, include the following information in his or her records:
- (1) A summary of the number and duration of deviations during the reporting period, classified by reason, including known causes for which a Federally-approved or promulgated exemption from an emission limitation or standard may apply.
 - (2) Identification of the data availability achieved during the reporting period, including a summary of the number and total duration of incidents that the monitoring protocol failed to perform in accordance with the design of the

protocol or produced data that did not meet minimum data accuracy and precision requirements, classified by reason.

- (3) Identification of the compliance status as of the last day of the reporting period and whether compliance was continuous or intermittent during the reporting period.
- (4) If, pursuant to Condition 5.B.8(d)(3), the permittee identifies any deviation as resulting from a known cause for which no Federally-approved or promulgated exemption from an emission limitation or standard applies, the monitoring report shall also include all records that the source is required to maintain that pertain to the periods during which such deviation occurred and:
 - (i) The magnitude of each deviation;
 - (ii) The reason for each deviation;
 - (iii) A description of the corrective action taken for each deviation, including action taken to minimize each deviation and action taken to prevent recurrence; and
 - (iv) All quality assurance activities performed on any element of the monitoring protocol.

(Ref.: 40 CFR 63.788(b), Subpart II)

C. Specific Reporting Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant / Parameter Monitored	Reporting Requirement
AA-100	40 CFR 63.788(a) and (c), Subpart II	5.C.1	VOHAP	Submit semiannual reports
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).	5.C.2	PM / PM ₁₀ / PM _{2.5}	Submit semiannual reports
Facility-Wide	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3).	5.C.3	VOC	Submit semiannual reports

5.C.1 For Emission Point AA-100, the permittee shall submit reports in accordance with Condition 5.A.4. Each report shall include all of the information specified below:

- (a) The volume of each low-usage-exempt coating applied;
- (b) Identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit;
- (c) A determination of whether containers meet the standards as described in Condition 3.D.2; and
- (d) The results of any Method 24 of appendix A to 40 CFR part 60 or approved VOHAP measurement test conducted on individual containers of coating, as applied.
- (e) For coatings to which thinning solvent was not added, the volume of each coating applied.
- (f) For coatings to which thinning solvent was added—coating-by-coating compliance, records maintained demonstrating compliance containing the following information:
 - (1) The maximum allowable thinning ratio (or ratios, if the affected source complies with the cold-weather limits in addition to the other limits specified in Table 2 of this subpart) for each batch of coating, including calculations;
 - (2) The volume used of each batch of the coating, as supplied;
 - (3) The total allowable volume of thinner for each coating, including calculations; and

- (4) The actual volume of thinner used for each coating.
- (g) For coatings to which the same thinning solvent was not added—group compliance, the records demonstrating compliance containing the following information:
 - (1) The maximum allowable thinning ratio (or ratios, if the affected source complies with the cold-weather limits in addition to the other limits specified in Table 2 of this subpart) for each batch of coating, including calculations;
 - (2) Identification of each group of coatings and their designated thinners;
 - (3) The volume used of each batch of coating in the group, as supplied;
 - (4) The total allowable volume of thinner for the group, including calculations; and
 - (5) The actual volume of thinner used for the group.
- (h) For demonstrating compliance through an alternative (i.e., non-Method 24 in appendix A to 40 CFR part 60) test method, the records for demonstrating compliance containing the following information:
 - (1) Identification of the Administrator-approved VOHAP test method or certification procedure;
 - (2) For coatings to which the affected source does not add thinning solvents, the source shall record the certification of the as-supplied and as-applied VOHAP content of each batch and the volume of each coating applied;
 - (3) For coatings to which the affected source adds thinning solvent on a coating-by-coating basis, the source shall record all of the information required to be recorded by Condition 5.B.4(b); and
 - (4) For coatings to which the affected source adds thinning solvent on a group basis, the source shall record all of the information required to be recorded by Condition 5.B.4(c).
- (i) If the permittee detects a violation of the standards specified in Conditions 3.B.5, 3.D.1, or 3.D.2, the permittee shall report:
 - (1) A summary of the number and duration of deviations during the reporting period, classified by reason, including known causes for which a Federally-approved or promulgated exemption from an emission limitation or standard may apply.

- (2) Identification of the data availability achieved during the reporting period, including a summary of the number and total duration of incidents that the monitoring protocol failed to perform in accordance with the design of the protocol or produced data that did not meet minimum data accuracy and precision requirements, classified by reason.
- (3) Identification of the compliance status as of the last day of the reporting period and whether compliance was continuous or intermittent during the reporting period.
- (4) If, pursuant to Condition 5.C.1(i)(3), the permittee identifies any deviation as resulting from a known cause for which no Federally-approved or promulgated exemption from an emission limitation or standard applies, the monitoring report shall also include all records that the source is required to maintain that pertain to the periods during which such deviation occurred and:
 - (i) The magnitude of each deviation;
 - (ii) The reason for each deviation;
 - (iii) A description of the corrective action taken for each deviation, including action taken to minimize each deviation and action taken to prevent recurrence; and
 - (iv) All quality assurance activities performed on any element of the monitoring protocol.
- (j) If there was a malfunction during the reporting period, the report must also include the number, duration and a brief description of each malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction to minimize emissions in accordance with Condition 3.D.1, including actions taken to correct a malfunction.

(Ref.: 40 CFR 63.788(c), Subpart II)

5.C.2 For the entire facility, the permittee shall submit reports summarizing the information below in accordance with Condition 5.A.4.

- (a) The total quantity of each particulate matter producing material, which may include, but is not limited to, abrasive blasting medium, welding wire, and electrodes consumed/used on a monthly and consecutive, rolling twelve month basis; and
- (b) The total PM, PM₁₀, and PM_{2.5} emissions calculated in tons per year (tpy) on a monthly and consecutive, rolling twelve month basis. Supporting calculations and

backup documentation must be included.

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

5.C.3 For the entire facility, the permittee shall submit reports summarizing the information below in accordance with Condition 5.A.4.

- (a) The product name of each VOC-containing material (coatings, solvents, adhesives, etc.) used on a monthly and consecutive, rolling twelve month basis;
- (b) The total quantity (gallons or pounds) used of each VOC-containing material used on a monthly and consecutive, rolling twelve month basis;
- (c) The density in pounds per gallon (lbs/gallon) for each VOC-containing material used on a monthly and consecutive, rolling twelve month basis;
- (d) The percentage of VOCs by weight for each VOC-containing material used on a monthly and consecutive, rolling twelve month basis;
- (e) A description of the method used to determine the VOC content of each VOC-containing material used; and
- (f) The total VOC emissions calculated in tons per year (tpy) on a monthly and consecutive, rolling twelve month basis.

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

SECTION 6. ALTERNATIVE OPERATING SCENARIOS

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://ecfr.gpoaccess.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;
 - (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, persons selling class I or class II refrigerants or offering class I or class II refrigerants for sale, and persons purchasing class I or class II 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	Mississippi Department of Environmental Quality
EPA	United States Environmental Protection Agency
gr/dscf	Grains Per Dry Standard Cubic Foot
HP	Horsepower
HAP	Hazardous Air Pollutant
lbs/hr	Pounds per Hour
M or K	Thousand
MACT	Maximum Achievable Control Technology
MM	Million
MMBTUH	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 61 or National Emission Standards For Hazardous Air Pollutants for Source Categories, 40 CFR Part 63
NMVOC	Non-Methane Volatile Organic Compounds
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standards, 40 CFR Part 60
O&M	Operation and Maintenance
PM	Particulate Matter
PM ₁₀	Particulate Matter less than 10 µm in diameter
ppm	Parts per Million
PSD	Prevention of Significant Deterioration, 40 CFR 52
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant
VOC	Volatile Organic Compound

APPENDIX B

LIST OF REGULATIONS REFERENCED IN PERMIT

The full text of the regulations referenced in this permit may be found on-line at <http://www.deq.state.us.us> and <http://ecfr.gpoaccess.gov>, or the Mississippi Department of Environmental Quality (MDEQ) will provide a copy upon request. A list of regulations referenced in this permit is shown below:

11 Miss. Admin. Code Pt. 2, Ch. 1, Mississippi Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants (Amended December 14, 2011)

11 Miss. Admin. Code Pt. 2, Ch. 6, Mississippi Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Air Emissions Operating Permit Regulations for the Purpose of Title V of the Federal Clean Air Act (Amended December 14, 2011)

40 CFR Part 82 - Title VI of the Clean Air Act (Stratospheric Ozone Protection)

40 CFR 63, Subpart A – General Provisions

40 CFR Part 63, Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)