

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

THIS CERTIFIES THAT

Auto Parts Manufacturing Mississippi Inc
100 Tab Way
North Lee Industrial Complex
Guntown, 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) 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.: 1540-00132

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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 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 Prior to its expiration, this permit may be reopened in accordance with the provisions listed below.

(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).)

- (c) 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).)

- (d) 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.)

- (e) 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, Subpart I, or 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 Part 51, Subpart I, or 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.

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

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 (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 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 in 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.

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

- 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.

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

SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES

Emission Point	Description
AA-000	Automobile and Light Duty Truck Parts Manufacturing Facility
AA-100 (Ref. S-1)	Plantwide Natural Gas Combustion Equipment
AA-101 (Ref. S-1-1-1)	Administration Area HVAC equipped with a 0.64 MMBTU/HR Burner.
AA-102 (Ref. S-1-1-2a)	Stamping Shop HVAC equipped with a 36.00 MMBTU/HR Burner.
AA-103 (Ref. S-1-1-3a)	Welding Shop HVAC equipped with a 18.00 MMBTU/HR Burner.
AA-104 (Ref. S-1-1-4a)	Plastic Shop HVAC equipped with a 20.11 MMBTU/HR Burner.
AA-105 (Ref. S-1-2-5a)	Plastic Shop Primer Booth equipped with a 6.15 MMBTU/Hr Burner.
AA-106 (Ref. S-1-2-6a)	Plastic Shop Basecoat Booth equipped with a 6.15 MMBTU/HR Burner.
AA-107 (Ref. S-1-2-7a)	Plastic Shop Clearcoat Booth equipped with a 6.15 MMBTU/HR Burner.
AA-110 (Ref. S-1-3-10a)	Plastic Shop Topcoat Oven equipped with a 3.40 MMBTU/HR Burner.
AA-111 (Ref. S-1-3-11a)	Welding Shop Small Parts E-Coat Tank and Oven equipped with a 1.23 MMBTU/HR Burner.
AA-112 (Ref. S-1-4-12a)	Three (3) Boilers combusting natural gas only. Boiler #1 and Boiler #2 have a 11.8 MMBTU/HR rated capacity and Boiler #3 has a 7.9 MMBTU/Hr rated capacity.
AA-113	Four (4) Miscellaneous Vertical Supply Units (VSU) with a total heat input rating of 29.0 MMBtu/hr
AA-114	Ten (10) Miscellaneous Gas Heater Units (GHU) with a total heat input rating of 1.0 MMBtu/hr
AA-115	One (1) Exterior Parts Paint Shop (AHB) with heat input rating of 0.88 MMBtu/hr
AA-200 (Ref. S-2)	Plantwide Emergency Support Equipment
AA-201 (Ref. S-2-1-1a)	One (1) 150 kW Natural gas-fired Emergency Generator
AA-202 (Ref. S-2-2-1a)	One (1) 215 kW Emergency Diesel-fired Fire Water Pump
AA-400 (Ref. S-4-2-1a)	Welding Shop: Metal Part Components (Mig Welding and Brazing) PM is controlled by two (2) dust collectors
AA-500 (Ref. S-5-2-1a).	Plastic Shop: Three (3) Exterior Spray Booths and Curing Ovens – Application of Waterborne/Solventborne Primers, Waterborne Basecoat and Solventborne Clearcoat. The booths are equipped with a wet scrubber for PM control.
AA-600 (Ref. S-6-1-1a)	Miscellaneous Metal Coating Process: Small Parts E-Coat Dip Tank and Curing Oven – Weld Shop
AA-700 (Ref. S-7)	Emission Sources for Miscellaneous Process Cleanings
AA-701 (Ref. S-7-1-1a)	Plant #1 Booth, Application and General Cleanup Materials
AA-702 (Ref. S-7-2-1a)	Plant #1 Paint Line Cleaning Materials
AA-900	Plantwide Fugitive Emission including Paved Roads

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	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard
AA-200 <i>(Emergency Support Equipment)</i>	40 CFR Part 63, Subpart ZZZZ- National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) 40 CFR 63.6590(c) 40 CFR Part 63, Subpart A- General Provisions	3.B.1	HAP	Comply with 40 CFR Part 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines Comply with 40 CFR Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion
AA-600 <i>(Miscellaneous Metal Coating)</i>	40 CFR Part 63, Subpart MMMM – National Emission Standards for Hazardous Air Pollutants from the Surface Coating of Miscellaneous Metal Parts and Products 40 CFR 63.3881(b) 40 CFR Part 63, Subpart A- General Provisions	3.B.2		General Applicability
AA-500 <i>(Plastic Shop)</i>	40 CFR Part 63, Subpart PPPP - National Emission Standards for Hazardous Air Pollutants from the Surface Coating of Plastic Parts and Products 40 CFR 63.4481(a) 40 CFR Part 63, Subpart A- General Provisions	3.B.3		General Applicability
AA-112 <i>(Boilers)</i>	40 CFR Part 63, Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters 40 CFR 63.7485 40 CFR Part 63, Subpart A- General Provisions	3.B.4		General Applicability

Emission Point	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard
	40 CFR 60, Subpart Dc- Standards of Performance for Small Industrial-Commercial- Institutional Steam Generating Units 40 CFR 60.40c(a)	3.B.5		General Applicability
AA-000 (Plantwide)	Federally Enforceable PSD Permit to Construct issued December 11, 2007	3.B.6	Opacity	Not to exceed 10% at any time
AA-100 (Natural Gas Combustion)	Federally Enforceable PSD Permit to Construct issued December 11, 2007	3.B.7(a)	PM/PM10 (Filterable)	Combustion of Natural Gas and Good Combustion Practices
			VOC	
			NOx	
			CO	
		3.B.7(b)	PM/PM10 (Filterable)	11.3 tpy
		3.B.7(c)	VOC	8.2 tpy
		3.B.7(d)	NOx	128.5 tpy
		3.B.7(e)	CO	124.5 tpy
		3.B.7(f)	SO2	0.9 tpy
AA-112 (Boilers)	Federally Enforceable PSD Permit to Construct issued December 11, 2007	3.B.8	NOx	0.10 lbs/MMBTU and Low NOx Combustion Techniques
AA-200 (Emergency Support Equipment)	Federally Enforceable PSD Permit to Construct issued December 11, 2007	3.B.9(a)	PM/PM10 (Filterable)	Use of Low Sulfur Fuel Oil (Sulfur content equal to or less than 0.05%)
			VOC	
			NOx	
			CO	
		3.B.9(b)	PM/PM10 (Filterable)	0.004 tpy
		3.B.9(c)	VOC	0.02 tpy

Emission Point	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard
		3.B.9(d)	NOx	0.7 tpy
		3.B.9(e)	CO	0.5 tpy
		3.B.9(f)	SO2	0.3 tpy
AA-201 (Generator)	40 CFR 60.4233(e), Subpart JJJJ	3.B.10	NOx, CO, VOC	2 g/HP-hr of NOx; 4.0 g/HP-hr of CO and 1.0 g/HP-hr of VOC
AA-202 (Fire Pumps)	40 CFR 60.4205(c) and Table 4, Subpart IIII	3.B.11	NMHC+ NOx, CO and PM	10.5 g/kW-hr NMHC+ NOx; 3.5 g/kW-hr CO and 0.54 g/kW-hr PM.
	40 CFR 60.4206, 60.4211 (a) and (c), Subpart IIII	3.B.12		Lifetime Emission Standard
	40 CFR 60.4207(b), Subpart IIII	3.B.13		Diesel Fuel Standard
AA-201 (Generator) AA-202 (Fire Pumps)	60.4243(d), Subpart JJJJ 40 CFR 60.4211(f), Subpart IIII	3.B.14		Operate each unit for up to 100 hours a year
AA-400 (Welding Shop)	Federally Enforceable PSD Permit to Construct issued December 11, 2007	3.B.15(a)	PM/PM10 (Filterable)	11.1 tpy
		3.B.15(b)	VOC	19.4 tpy
	Federally Enforceable PSD Permit to Construct issued December 11, 2007	3.B.16	PM/PM10	Incorporation of Dust Minimization Techniques and Good Operating, Work and Maintenance Practices
AA-500 (Plastic Shop)	Federally Enforceable PSD Permit to Construct issued December 11, 2007	3.B.17(a)	PM/PM10 (Filterable)	12.9 tpy
		3.B.17(b)	VOC	605.1 tpy
	Federally Enforceable PSD Permit to Construct issued December 11, 2007	3.B.18	PM/PM10 (Filterable)	Use of Wet Scrubber or Dry Filter System for Spray Application Areas
	40 CFR 63.4490(a) and 63.4500(a)(1), Subpart PPPP	3.B.19	HAPs	Emission Limitations
	40 CFR 63.4491(a) and (b), Subpart PPPP	3.B.20	Emission Limit Options	Compliant Material Option
				Emission Rate without Add-On Controls Option

Emission Point	Applicable Requirement	Condition Number	Pollutant/Parameter	Limit/Standard
	40 CFR 63.4542, Subpart PPPP	3.B.21	Compliant Material Option	Continuous Compliance Demonstration with Emission Limitations
	40 CFR 63.4552, Subpart PPPP	3.B.22	Emission Rate without Add-on Controls	Continuous Compliance Demonstration with Emission Limitations
AA-600 (Miscellaneous Metal Coating)	Federally Enforceable PSD Permit to Construct issued December 11, 2007	3.B.23(a)	VOC	BACT: Use of Low VOC Content Material when technically feasible and Good Operating/Work Practices
		3.B.23(b)		81.4 tpy
	40 CFR 63.3890(a) and 63.3900 (a and b), Subpart MMMM	3.B.24	HAPs	Emission Limitations
	40 CFR 63.3891 (a and b), Subpart MMMM	3.B.25	Emission Limit Options	Compliant Material Option
				Emission Rate without Add-On Controls Option
	40 CFR 63.3942, Subpart MMMM	3.B.26	Compliant Material Option	Continuous Compliance Demonstration with Emission Limitations
	40 CFR 63.3952, Subpart MMMM	3.B.27	Emission Rate without Add-on Controls	Continuous Compliance Demonstration with Emission Limitations
AA-700 (Miscellaneous Process Cleaning)	Federally Enforceable PSD Permit to Construct issued December 11, 2007.	3.B.28(a)	VOC	Install a Purge Solvent Recovery System on Solventborne Systems Utilize Good Work Practices to minimize Purge and Cleanup Solvent Emissions
		3.B.28(b)		267.7 tpy

- 3.B.1 For Emission Point AA-200 the permittee is subject to, and shall comply with 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE) and Subpart A - General Provisions.

For Emission Point AA-201, the permittee shall meet the requirements of Subpart ZZZZ by meeting the requirements of 40 CFR Part 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.

For Emission Point AA-202, the permittee shall meet the requirements of 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. (Ref.: 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 63.6590(c); 40 CFR Part 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines; 40 CFR 60.4230(a)(4)(iv); 40 CFR Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60.4200(a)(2).)

- 3.B.2 For Emission Point AA-600, the permittee is subject to 40 CFR Part 63, Subpart MMMM – National Emission Standards for Hazardous Air Pollutants from the Surface Coating of Miscellaneous Metal Parts and Products and Subpart A - General Provisions.

(Ref.: 40 CFR Part 63, Subpart MMMM – National Emission Standards for Hazardous Air Pollutants from the Surface Coating of Miscellaneous Metal Parts and Products; 40 CFR 63.3881(b).)

- 3.B.3 For Emission Point AA-500, the permittee is subject to 40 CFR Part 63, Subpart PPPP - National Emission Standards for Hazardous Air Pollutants from the Surface Coating of Plastic Parts and Products and Subpart A - General Provisions.

(Ref.: 40 CFR Part 63, Subpart PPPP - National Emission Standards for Hazardous Air Pollutants from the Surface Coating of Plastic Parts and Products; 40 CFR 63.4481(a).)

- 3.B.4 For Emission Point AA-112, the permittee is subject to 40 CFR Part 63, Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major

Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters and
Subpart A - General Provisions.

(Ref.: 40 CFR Part 63, Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters; 40 CFR 63.7485.)

- 3.B.5 For Emission Point AA-112, the permittee is subject to 40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and shall keep records that the permittee uses natural gas only.

(Ref.: 40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units; 40 CFR 60.40c(a).)

- 3.B.6 For Emission Point AA-000, the permittee shall not cause emissions of Opacity to exceed 10% at any time as determined by EPA Test Method 9, 40 CFR 60, Appendix A.

(Ref.: PSD Construction Permit Issued December 11, 2007.)

- 3.B.7 For Emission Point AA-100, the permittee shall comply with the limits established in the Federally Enforceable PSD Permit to Construct issued December 11, 2007. These limits are specifically stated below and in Table 3.B:

- (a) The permittee shall combust Natural Gas only and use Good Combustion Practices for reducing emissions of Filterable Particulate Matter/Particulate Matter-10 micrometers (PM/PM10), Volatile Organic Compounds (VOC), Nitrogen Oxides (NOx), and Carbon Monoxide (CO).
- (b) The permittee shall limit emissions of Filterable PM/PM10 to 11.3 tons per year as determined for each consecutive 12-month period.
- (c) The permittee shall limit emissions of VOCs to 8.2 tons per year as determined for each consecutive 12-month period.
- (d) The permittee shall limit emissions of NOx to 128.5 tons per year as determined for each consecutive 12-month period.
- (e) The permittee shall limit emissions of CO to 124.5 tons per year as determined for each consecutive 12-month period.
- (f) The permittee shall limit emissions of Sulfur Dioxide (SO2) to 0.9 tons per year as determined for each consecutive 12-month period.

(Ref.: PSD Construction Permit Issued December 11, 2007.)

- 3.B.8 For Emission Point AA-112, the permittee shall limit emissions of NO_x to 0.1 pound per MMBTU per hour heat input and utilize Low NO_x Combustion Techniques.

(Ref.: PSD Construction Permit Issued December 11, 2007.)

- 3.B.9 For Emission Point AA-200, the permittee shall comply with the limits established in the Federally Enforceable PSD Permit to Construct issued December 11, 2007. These limits are specifically stated below and in Table 3.B:

- (a) The permittee shall Use Low Sulfur Fuel Oil with a Sulfur content less than or equal to 0.050% for reducing emissions of Filterable PM/PM₁₀, VOC, NO_x, and CO.
- (b) The permittee shall limit during emissions of Filterable PM/PM₁₀ to 0.004 tons per year as determined for each consecutive 12-month period.
- (c) The permittee shall limit emissions of VOCs to 0.02 tons per year as determined for each consecutive 12-month period.
- (d) The permittee shall limit emissions of NO_x to 0.7 tons per year as determined for each consecutive 12-month period
- (e) The permittee shall limit emissions of CO to 0.5 tons per year as determined for each consecutive 12-month period.
- (f) The permittee shall limit emissions of SO₂ to 0.3 tons per year as determined for each consecutive 12-month period.

(Ref.: PSD Construction Permit Issued December 11, 2007.)

- 3.B.10 For Emission Point AA-201, the permittee is subject to and shall comply with 40 CFR Part 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines. The permittee shall comply with the emission standards from Table 1 of 40 CFR 60, Subpart JJJJ. The maximum discharge of the pollutants is as follows: 2 g/HP-hr of NO_x and 4.0 g/HP-hr of CO and 1.0 g/HP-hr of VOC.

(Ref.: 40 CFR 60.4233(e) and 40 CFR 60, Table 1, Subpart JJJJ.)

- 3.B.11 For Emission Point AA-202, the permittee is subject to and shall comply with 40 CFR Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. The permittee shall comply with the emission standards from Table 4 of 40 CFR 60, Subpart IIII. The maximum discharge of the pollutants is

as follows: 10.5 g/kW-hr of NMHC+ NO_x and 3.5 g/kW-hr of CO and 0.54 g/kW-hr of PM.

(Ref.: 40 CFR 60.4205(c) and Table 4, Subpart IIII.)

- 3.B.12 For Emission Point AA-202, the permittee shall operate and maintain the engine according to the manufacturer's written instructions or procedures developed by the permittee, that are approved by the engine manufacturer, over the entire life of the engine.

The permittee shall purchase an engine certified to the applicable emission standards for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power.

(Ref. 40 CFR 60.4206, 60.4211 (a) and (c), Subpart IIII.)

- 3.B.13 For Emission Point AA-202, the permittee shall use diesel fuel that meets the following requirements.

- (a) Maximum sulfur content of 15ppm.
- (b) Minimum cetane index of 40 or maximum aromatic content of 35 volume percent.

(Ref.: 40 CFR 60.4207(b), Subpart IIII and 80.510(b).)

- 3.B.14 For Emission Points AA-201 and AA-202, the permittee shall operate the emergency stationary RICE/ICE according to the following requirements. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per calendar year is prohibited. If the engine is not operated according to these requirements, the engine will not be considered an emergency engine under this subpart and shall meet all requirements for non-emergency engines.

- (a) There is no time limit on the use of emergency stationary RICE/ICE in emergency situations.
- (b) The permittee may operate the emergency stationary RICE/ICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to a maximum of 100 hours per calendar year. The permittee may petition MDEQ for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that Federal, State, or local

standards require maintenance and testing of emergency RICE/ICE beyond 100 hours per calendar year.

- (c) The permittee may operate the emergency stationary RICE/ICE up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted, towards the 100 hours per calendar year for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(Ref.: 60.4243(d), Subpart JJJJ; 40 CFR 60.4211(f), Subpart IIII.)

3.B.15 For Emission Point AA-400, the permittee shall comply with the limits established in the Federally Enforceable PSD Permit to Construct issued December 11, 2007. These limits are specifically stated below and in Table 3.B:

- (a) The permittee shall limit emissions of Filterable PM/PM10 to 11.1 tons per year as determined for each consecutive 12-month period
- (b) The permittee shall limit emissions of VOC to 19.4 tons per year as determined for each consecutive 12-month period

(Ref.: PSD Construction Permit Issued December 11, 2007.)

3.B.16 For Emission Point AA-400, the permittee shall incorporate Dry Filtration or Dust Minimization Techniques and Good Operating/Work and Maintenance Practices for minimizing PM/PM10 Emissions.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

3.B.17 For Emission Point AA-500, the permittee shall comply with the limits established in the Federally Enforceable PSD Permit to Construct issued December 11, 2007. These limits are specifically stated below and in Table 3.B:

- (a) The permittee shall limit emissions of Filterable PM/PM10 to 12.9 tons per year as determined for each consecutive 12-month period.
- (b) The permittee shall limit emissions of VOC to 605.1 tons per year as determined for each consecutive 12-month period.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 3.B.18 For Emission Points AA-500, the permittee shall utilize a Wet Scrubber or Dry Filter System for the Spray Application Areas for minimizing Filterable PM/PM10 emissions.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 3.B.19 For Emission Point AA-500, the permittee shall comply, at all times, with the following for demonstrating compliance with the Emission Limitations as described by 40 CFR 63.4490:

- (a) The permittee shall limit organic HAP emissions according to paragraphs (a)(1) through (4), determined according to the requirements of the initial compliance demonstration as described in 40 CFR 63.4541, 40 CFR 63.4551 and 40 CFR 63.4561, where applicable.
 - (1) For each general use coating affected source, limit organic HAP emissions to no more than 0.16 lb organic HAP emitted per lb coating solids used during each 12-month compliance period.
 - (2) For each automotive lamp coating affected source, limit organic HAP emissions to no more than 0.26 lb organic HAP emitted per lb coating solids used during each 12-month compliance period.
 - (3) For each TPO coating affected source, limit organic HAP emissions to no more than 0.22 lb organic HAP emitted per lb coating solids used during each 12-month compliance period.
 - (4) For each assembled on-road vehicle coating affected source, limit organic HAP emissions to no more than 1.34 lb organic HAP emitted per lb coating solids used during each 12-month compliance period.

(Ref. 40 CFR 63.4490(a) and 63.4500(a)(1), Subpart PPPP.)

- 3.B.20 For Emission Point AA-500, the permittee shall comply with *the Compliant Material Option* or the *Emission Rate without Add-On Controls Option* of the Emission Limit Options of 40 CFR 63.63.4491(a) and (b) and include all coatings thinners and/or other additives, and cleaning materials used when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in Condition 3.B.19 (40 CFR 63.4490). To make this determination, the permittee shall use at least use one of the two compliance options listed in paragraphs (a) through (b) of this condition. The permittee may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. The permittee may use different compliance options for different coating operations, or at different times on the same coating operation. The permittee may employ different

compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, the permittee may not use different compliance options at the same time on the same coating operation. If the permittee switches between compliance options for any coating operation or group of coating operations, the permittee shall document this switch as required by Condition 5.C.12 (40 CFR 63.4530(c)), and shall report it in the next semiannual compliance report required in Condition 5.C.11 (40 CFR 63.4520).

- (a) *Compliant material option.* Demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in Condition 3.B.19 (40 CFR 63.4490), and that each thinner and/or other additive, and cleaning material used contains no organic HAP determined according to the requirements of the initial compliance demonstration according to 40 CFR 63.4540, 63.4541, and 63.4542
- (b) *Emission rate without add-on controls option.* Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.4490, calculated as a rolling 12-month emission rate and determined on a monthly basis, according to the requirements of the initial compliance demonstration according to 40 CFR 63.4550, 63.4551, and 63.4552.

(Ref.: 40 CFR 63.4491(a) and (b), Subpart PPPP.)

3.B.21 For Emission Point AA-500, the permittee shall comply with the following for demonstrating continuous compliance with the emission limitations for the *Compliant Material Option*:

- (a) For each compliance period to demonstrate continuous compliance, the permittee shall use no coating for which the organic HAP content (determined using Equation 1 of 40 CFR 63.4541) exceeds the applicable emission limit in Condition 3.B.19 (40 CFR 63.4490), and use no thinner and/or other additive, or cleaning material that contains organic HAP, determined according to 40 CFR 63.4541(a). A compliance period consists of 12 months. Each month, after the end of the initial compliance period described in 40 CFR 63.4540, is the end of a compliance period consisting of that month and the preceding 11 months. If the permittee is complying with a facility-specific emission limit under Condition 3.B.19 (40 CFR 63.4490(c)), the permittee shall also perform the calculation using Equation 1 in 40 CFR 63.4490(c)(2) on a monthly basis using the data from the previous 12 months of operation.
- (b) If the permittee chooses to comply with the emission limitations by using the compliant material option, the use of any coating, thinner and/or other additive, or cleaning material that does not meet the criteria specified in paragraph (a) of this

section is a deviation from the emission limitations that shall be reported as specified in 40 CFF 63.4510(c)(6) and Condition 5.C.11 (63.4520(a)(5)).

- (c) As part of each semiannual compliance report required by Condition 5.C.11(40 CFR 63.4520), the permittee shall identify the coating operation(s) for which the permittee used the compliant material option. If there were no deviations from the applicable emission limit in Condition 3.B.19 (40 CFR 63.4490), submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the permittee used no coatings for which the organic HAP content exceeded the applicable emission limit in 40 CFR 63.4490, and the permittee used no thinner and/or other additive, or cleaning material that contained organic HAP, determined according to 40 CFR 63.4541(a).
- (d) The permittee shall maintain records as specified in Conditions 5.C.12 and 5.C.13 (40 CFR 63.4530 and 63.4531).

(Ref.: 40 CFR 63.4542, Subpart PPPP.)

3.B.22 For Emission Point AA-500, the permittee shall comply with the following for demonstrating continuous compliance with the emission limitations for the *Emission Rate without Add-on Controls Option*:

- (a) To demonstrate continuous compliance, the organic HAP emission rate for each compliance period, determined according to the initial compliance demonstration shall be less than or equal to the applicable emission limit in Condition 3.B.19 (40 CFR 63.4490). A compliance period consists of 12 months. Each month after the end of the initial compliance period described in 40 CFR 63.4550 is the end of a compliance period consisting of that month and the preceding 11 months. The permittee shall perform the calculations in 40 CFR 63.4551(a) through (g) on a monthly basis using data from the previous 12 months of operation.
- (b) If the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in Condition 3.B.19 (40 CFR 63.4490), this is a deviation from the emission limitation for that compliance period and shall be reported as specified in 40 CFR 63.4510(c)(6) and Condition 5.C.11(40 CFR 63.4520(a)(6)).
- (c) As part of each semiannual compliance report required by Condition 5.C.11 (40 CFR 63.4520), the permittee shall identify the coating operation(s) for which the permittee used the emission rate without add-on controls option. If there were no deviations from the emission limitations, the permittee shall submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission rate for

each compliance period was less than or equal to the applicable emission limit in 40 CFR 63.4490, determined according to 40 CFR 63.4551(a) through (g).

- (d) The permittee shall maintain records as specified in Conditions 5.C.12 and 5.C.13 (40 CFR 63.4530 and 63.4531).

(Ref.: 40 CFR 63.4552, Subpart PPPP.)

3.B.23 For Emission Point AA-600, the permittee shall comply with the limits established in the Federally Enforceable PSD Permit to Construct issued December 11, 2007. These limits are specifically stated below and in Table 3.B:

- (a) The permittee shall use Low VOC Content Material and utilize Good Operating/Work Practices for minimizing VOC Emissions when technically feasible. The permittee may use alternative VOC Content Materials that are technically feasible; however, this does not exempt the permittee from complying with Condition 3.B.27 of this Permit.
- (b) The permittee shall limit emissions of VOC to 81.4 tons per year as determined for each consecutive 12-month period.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

3.B.24 For Emission Point AA-600, the permittee shall comply, at all times, with the Emission Limitations as described below (40 CFR 63.3890(a)):

- (a) the permittee shall limit organic HAP emissions as specified in paragraphs (a)(1) through (5), determined according to the initial compliance demonstration as described by 40 CFR 63.3941, 63.3951, or 63.3961.
 - (1) For each new general use coating affected source, limit organic HAP emissions to no more than 1.9 pound lb organic HAP per gal coating solids used during each 12-month compliance period.
 - (2) For each new high performance coating affected source, limit organic HAP emissions to no more than 27.5 lb organic HAP per gal coating solids used during each 12-month compliance period.
 - (3) For each new magnet wire coating affected source, limit organic HAP emissions to no more than 0.44 lb organic HAP per gal coating solids used during each 12-month compliance period.
 - (4) For each new rubber-to-metal coating affected source, limit organic HAP emissions to no more than 6.8 lb organic HAP per gal coating solids used during each 12-month compliance period.

- (5) For each new extreme performance fluoropolymer coating affected source, limit organic HAP emissions to no more than 12.4 lb organic HAP per gal coating solids used during each 12-month compliance period.

(Ref.: 40 CFR 63.3890(a) and 63.3900 (a and b), Subpart MMMM.)

3.B.25 For Emission Point AA-600, the permittee shall comply with the *Compliant Material Option* or the *Emission Rate without Add-On Controls Option* of the Emission Limit Options of 40 CFR 63.3891. The permittee shall include all coatings (as defined in 40 CFR 63.3981), thinners and/or other additives, and cleaning materials used in the affected source when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in Condition 3.B.24 (40 CFR 63.3890). To make this determination, the permittee shall use at least one of the two compliance options listed in paragraphs (a) through (b) of this section. The permittee shall apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. The permittee may use different compliance options for different coating operations, or at different times on the same coating operation. The permittee may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, the permittee may not use different compliance options at the same time on the same coating operation. If the permittee switches between compliance options for any coating operation or group of coating operations, the permittee shall document this switch as required by Condition 5.C.16 (40 CFR 63.3930(c)), and the permittee shall report it in the next semiannual compliance report required in Condition 5.C.15 (40 CFR 63.3920).

- (a) *Compliant material option.* Demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in Condition 3.B.24 (40 CFR 63.3890), and that each thinner and/or other additive, and cleaning material used contains no organic HAP. The permittee shall meet all the requirements of the initial compliance demonstration as described by 40 CFR 63.3940, 63.3941, and 63.3942 to demonstrate compliance with the applicable emission limit using this option.
- (b) *Emission rate without add-on controls option.* Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, calculated as a rolling 12-month emission rate and determined on a monthly basis. The permittee shall meet all the requirements of the initial compliance demonstration as described by 40 CFR 63.3950, 63.3951, and 63.3952 to demonstrate compliance with the emission limit using this option.

(Ref.: 40 CFR 63.3891(a and b), Subpart MMMM.)

3.B.26 For Emission Point AA-600, the permittee shall comply with the following for demonstrating continuous compliance with the emission limitations for the *Compliant Material Option* as described below (40 CFR 63.3942):

- (a) For each compliance period to demonstrate continuous compliance, the permittee shall use no coating for which the organic HAP content (determined using Equation 2 of 40 CFR 63.3941) exceeds the applicable emission limit in Condition 3.B.24 (40 CFR 63.3890), and use no thinner and/or other additive, or cleaning material that contains organic HAP, determined according to 40 CFR 63.3941(a). A compliance period consists of 12 months. Each month, after the end of the initial compliance period described in 40 CFR 63.3940, is the end of a compliance period consisting of that month and the preceding 11 months. If the permittee is complying with a facility-specific emission limit under Condition 3.B.24 (40 CFR 63.3890(c)), the permittee shall also perform the calculation using Equation 1 in 40 CFR 63.3890(c)(2), on a monthly basis, using the data from the previous 12 months of operation.
- (b) If the permittee chooses to comply with the emission limitations by using the compliant material option, the use of any coating, thinner and/or other additive, or cleaning material that does not meet the criteria specified in paragraph (a) of this section is a deviation from the emission limitations that shall be reported as specified in 40 CFR 63.3910(c)(6) and Condition 5.C.15 (63.3920(a)(5)).
- (c) As part of each semiannual compliance report required by Condition 5.C.15 (40 CFR 63.3920), the permittee shall identify the coating operation(s) for which the permittee used the compliant material option. If there were no deviations from the applicable emission limit in Condition 3.B.24 (40 CFR 63.3890), submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the permittee used no coatings for which the organic HAP content exceeded the applicable emission limit in Condition 3.B.24 (40 CFR 63.3890), and the permittee used no thinner and/or other additive, or cleaning material that contained organic HAP, determined according to 40 CFR 63.3941(a).
- (d) The permittee shall maintain records as specified in Condition 5.C.16 (40 CFR 63.3930) and 5.C.17 (40 CFR 63.3931).

(Ref.: 40 CFR 63.3942, Subpart MMMM.)

3.B.27 For Emission Point AA-600, the permittee shall comply with the following for demonstrating continuous compliance with the emission limitations for the Emission Rate without Add-on Controls Option as described by 40 CFR 63.3942:

- (a) To demonstrate continuous compliance, the organic HAP emission rate for each compliance period, determined according to 40 CFR 63.3951(a) through (g), shall

be less than or equal to the applicable emission limit in Condition 3.B.24 (40 CFR 63.3890). A compliance period consists of 12 months. Each month after the end of the initial compliance period described in 40 CFR 63.3950 is the end of a compliance period consisting of that month and the preceding 11 months. The permittee shall perform the calculations in 40 CFR 63.3951(a) through (g) on a monthly basis using data from the previous 12 months of operation. If the permittee is complying with a facility-specific emission limit under Condition 3.B.24 (40 CFR 63.3890(c)), the permittee shall also perform the calculation using Equation 1 in Condition 3.B.24 (40 CFR 63.3890(c)(2)), on a monthly basis, using the data from the previous 12 months of operation.

- (b) If the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in Condition 3.B.24 (40 CFR 63.3890), this is a deviation from the emission limitation for that compliance period and shall be reported as specified in 40 CFR 63.3910(c)(6) and 63.3920(a)(6).
- (c) As part of each semiannual compliance report required by 40 CFR 63.3920, the permittee shall identify the coating operation(s) for which the permittee used the emission rate without add-on controls option. If there were no deviations from the emission limitations, the permittee shall submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in 40 CFR 63.3890, determined according to 40 CFR 63.3951(a) through (g).
- (d) The permittee shall maintain records as specified in Condition 5.C.16 (40 CFR 63.3930) and 5.C.17 (40 CFR 63.3931).

(Ref.: 40 CFR 63.3952, Subpart MMMM.)

3.B.28 For Emission Point AA-700, the permittee shall comply with the limits established in the Federally Enforceable PSD Permit to Construct issued December 11, 2007. These limits are specifically stated below and in Table 3.B:

- (a) The permittee shall Install and Operate a Purge Solvent Recovery System on Solventborne Systems and utilize Good Work Practices to minimize Purge and Cleanup Solvent Emissions and.
- (b) The permittee shall limit emissions of VOC to 267.7 tons per year as determined for each consecutive 12-month period.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

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
11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.C.2	SO ₂	4.8 lbs/MMBTU

- 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).)

D. Work Practice Standards

Emission Point(s)	Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
AA-112	40 CFR 63.7515(d), 63.7540(a)(10), (11) and Table 3, Subpart DDDDD	3.D.1	CO and NO _x	Conduct tune-ups annually for boilers #1 and #2 and biennially for boiler #3

- 3.D.1 For Emission Point AA-112, for all three boilers, the permittee shall conduct tune-ups in accordance with (a) through (f) below.

The tune-ups for Boiler #1 and Boiler #2 shall be completed no more than thirteen (13) months after the previous ones. If the unit is not operating on the required date of the tune-up, the tune-up must be conducted within thirty (30) calendar days of startup.

The tune-up for Boiler #3 shall be completed no more than twenty-five (25) months after the previous one. If the unit is not operating on the required date of the tune-up, the tune-up must be conducted within thirty (30) calendar days of startup.

- (a) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown not to exceed thirty-six (36) months from the previous inspection).

At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

- (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown);
- (d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject;
- (e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (f) Maintain on-site and submit, if requested by MDEQ, a report containing the following information:
 - (1) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.
 - (2) A description of any corrective actions taken as a part of the tune-up of the boiler.
 - (3) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

(Ref.: 40 CFR 63.7515(d), 63.7540(a)(10), (11) and Table 3, Subpart DDDDD.)

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 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 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	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping Requirement	Condition Number	Applicable Requirement
AA-100 (Natural Gas Fired Combustion)	PM/PM10	Monitoring and Monthly Recordkeeping of PM/PM10 Emissions	5.B.4	Federally Enforceable PSD Permit to Construct issued December 11, 2007
	VOC	Monitoring and Monthly Recordkeeping of VOC Emissions	5.B.5	
	NOx	Monitoring and Monthly Recordkeeping of NOx Emissions	5.B.6	
	CO	Monitoring and Monthly Recordkeeping of CO Emissions	5.B.7	
	SO2	Monitoring and Monthly Recordkeeping of SO2 Emissions	5.B.8	
	BACT PM/PM10	Monitoring of Good Combustion Practices and Monthly Recordkeeping of Fuel Quantity	5.B.9	
	BACT VOC			
	BACT NOx			
	BACT CO			
AA-201 (Emergency Generator) AA-202 (Fire Pump)	Compliance	Install non-resettable hour meter	5.B10	40 CFR Part 60, Subpart JJJJ- Standards of Performance for Stationary Spark Ignition Internal Combustion Engines; 40 CFR 60.4237(c) 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines; 40 CFR 60.4209(a);
		Recordkeeping	5.B.11	40 CFR 60.4245(b), Subpart JJJJ; 40 CFR 60.4214(b), Subpart IIII
		Purchase a certified engine	5.B.12	40 CFR 60.4243(a), Subpart JJJJ; 40 CFR 60.4211(c), Subpart IIII

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Emission Point	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping Requirement	Condition Number	Applicable Requirement
AA-200 (Emergency Support Equipment)	BACT PM/PM10	Monitoring and Monthly Recordkeeping of PM/PM10 Emissions	5.B.4	Federally Enforceable PSD Permit to Construct issued December 11, 2007
	BACT VOC	Monitoring and Monthly Recordkeeping of VOC Emissions	5.B.5	
	BACT NO_x	Monitoring and Monthly Recordkeeping of NO_x Emissions	5.B.6	
	CO	Monitoring and Monthly Recordkeeping of CO Emissions	5.B.7	
	BACT SO₂	Monitoring and Monthly Recordkeeping of SO₂ Emissions	5.B.8	
AA-400 (Welding Shop)	Opacity	Monitoring and Monthly Recordkeeping of weekly Visual Emission Monitoring (VEM) Observations	5.B.1	Federally Enforceable PSD Permit to Construct issued December 11, 2007
	Preventative Maintenance	Monitoring and Monthly Recordkeeping of Regular Maintenance	5.B.2	Federally Enforceable PSD Permit to Construct issued December 11, 2007
	PM/PM10	Monitoring and Monthly Recordkeeping of PM/PM10 Emissions	5.B.4	Federally Enforceable PSD Permit to Construct issued December 11, 2007
	VOC	Monitoring and Monthly Recordkeeping of VOC Emissions	5.B.5	
	PM/PM10 BACT	Monitoring and Monthly Recordkeeping of Certification of Baghouse/Dry Filter Maintenance and Good Operating/Work Practices	5.B.14	Federally Enforceable PSD Permit to Construct issued December 11, 2007

Emission Point	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping Requirement	Condition Number	Applicable Requirement
AA-500 <i>(Plastic Shop)</i>	Opacity	Monitoring and Monthly Recordkeeping of weekly Visual Emission Monitoring (VEM) Observations	5.B.1	Federally Enforceable PSD Permit to Construct issued December 11, 2007
	Preventative Maintenance	Monitoring and Monthly Recordkeeping of Regular Maintenance	5.B.2	Federally Enforceable PSD Permit to Construct issued December 11, 2007
	CAM	Compliance through NSPS, BACT, and MACT Monitoring Requirements	5.B.3	40 CFR 64.3(a) and (b), 64.6, 64.7, 64.8, and 64.9.
	BACT VOC	Monitoring and Monthly Recordkeeping Certification of Low VOC Content Materials	5.B.13	Federally Enforceable PSD Permit to Construct issued December 11, 2007
	VOC	Monitoring and Monthly Recordkeeping of VOC Emissions	5.B.5	
	PM/PM10	Monitoring and Monthly Recordkeeping of PM/PM10 Emissions	5.B.4	Federally Enforceable PSD Permit to Construct issued December 11, 2007
	PM/PM10 BACT	Monitoring and Monthly Recordkeeping of Certification Dry Filtration System and/or Wet Scrubber System, and Good Operating/Work Practices	5.B.14	Federally Enforceable PSD Permit to Construct issued December 11, 2007
	VOC BACT	Monitoring and Monthly Recordkeeping of VOC Quality and Quantity	5.B.15	
	VOC	Monitoring and Monthly Recordkeeping of VOC Emissions	5.B.5	
	PM	CAM Plan	5.B.16	40 CFR 64.3(a) and (b), 64.6, 64.7, 64.8, and 64.9.
AA-600 <i>(Miscellaneous Metal Coating)</i>	VOC BACT	Monitoring and Monthly Recordkeeping Certification of Low VOC Content Materials	5.B.13	Federally Enforceable PSD Permit to Construct issued December 11, 2007
	VOC	Monitoring and Monthly Recordkeeping of VOC Emissions	5.B.5	

Emission Point	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping Requirement	Condition Number	Applicable Requirement
AA-700 (Misc. Process Cleaning)	VOC BACT	Monitoring and Monthly Recordkeeping of Certification of Good Operating/Work Practices	5.B.17	Federally Enforceable PSD Permit to Construct issued December 11, 2007
	VOC	Monitoring and Monthly Recordkeeping of VOC Emissions	5.B.5	

- 5.B.1 For Emission Points AA-105, AA-106, AA-107, AA-110, AA-400 and AA-500, the permittee shall perform and maintain sufficient records to document weekly Visual Emission Observations for demonstrating compliance with Condition 3.B.6 of the permit herein. The permittee shall have a certified EPA Reference Method 22 reader conduct weekly visible emission observations during daylight hours for a six (6) minute period on each emission point and may be conducted from a location allowing the observation of multiple emission points, simultaneously. In the event that no visible emissions are observed, no further action is required beyond documentation of the observation. If any visible emissions are observed, the permittee shall take corrective action immediately and document the event. In addition, a certified visible emission evaluation (VEE) reader shall perform visible emission evaluation (VEE) using EPA Reference Method 9 for a minimum of eighteen (18) consecutive minutes. Records of these readings shall be maintained on a VEE log sheet. If conditions are such that opacity readings cannot be taken using Method 9, the permittee shall note these conditions in the record and provide an explanation of why it was not possible to perform opacity observations.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007 and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

- 5.B.2 For Emission Point AA-400 and AA-500, the permittee shall perform and maintain sufficient monthly records to document preventative maintenance, inspections of air pollution control equipment, and calibrations performed as necessary to maintain proper operation of equipment and monitoring devices. These records shall be kept in log form and made available for review upon request during any inspection visit by DEQ personnel.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 5.B.3 For Emission Point AA-500, the permittee is subject to the Compliance Assurance Monitoring Provisions of 40 CFR 64.3(a) and (b), 64.6, 64.7, 64.8, and 64.9, and shall demonstrate compliance through the Emission Point Specific New Source Performance Standards (NSPS), Best Available Control Technology (BACT) determinations, and Maximum Available Control Technology (MACT) requirements.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

5.B.4 For Emission Point AA-100, AA-200, AA-400, AA-500, the permittee shall determine compliance with PM/PM10 emissions and maintain sufficient monthly records to document:

- (a) The permittee may utilize data supplied by the manufacturer, an approved EPA Test Method, an approved EPA AP-42 Emission Factor, or by utilizing the following Formula Calculation for analysis of emissions: $\text{PM Emissions (lbs/hr)} = \text{Paint Usage (gal/hr)} \times \text{Paint Density (lbs/gal)} \times \text{Solids Content (weight fraction)} \times (1 - \text{Transfer Efficiency in percent}/100) \times (1 - \text{Control Efficiency in percent}/100)$
- (b) The permittee shall also calculate the PM emissions from the use of one or more of these methods each month and compare the emissions to those allowed in Section 3.B of this permit.
- (c) If the permittee chooses to comply with this requirement by utilizing the PM Formula Calculation, the permittee shall also maintain the following data to support these calculations:
 - (1) The type and quantity in gallons and weight in pounds of each coating material during each calendar month
 - (2) The density of coating (lbs/gal)
 - (3) The solids content (weight fraction)

If the permittee is able to demonstrate compliance with the above requirements utilizing data obtained from demonstrating compliance with one or more of the applicable NSPS and/or MACT standards, then the permittee may utilize said data in lieu of the above requirements as long as the permittee can demonstrate all of the pollutant specific emission limitations/requirements described in Section 3.B have been met.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

5.B.5 For Emission Point AA-100, AA-200, AA-400, AA-500, AA-600, AA-700, the permittee shall determine for each coating, adhesive, solvent or other Volatile Organic Compound (VOC) and Hazardous Air Pollutant (HAP) containing material and/or compound used. The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP content by EPA Test Method 24 and/or 311, 40 CFR 60, Appendix A. The permittee shall maintain sufficient monthly records to document:

- (a) Quantity used (gal or lbs)
- (b) The percentage of VOC's and HAP's by weight

- (c) The density (lbs/gal), unless material usages are measured in lbs
- (d) The permittee shall calculate the VOC and HAP emissions from the use of these materials each month and compare the VOC emissions to those allowed under Section 3.B of this permit.

If the permittee is able to demonstrate compliance with the above requirements utilizing data obtained from demonstrating compliance with one or more of the applicable NSPS and/or MACT standards, then the permittee may utilize said data in lieu of the above requirements as long as the permittee can demonstrate all of the pollutant specific emission limitations/requirements described in Section 3.B have been met.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

5.B.6 For Emission Point AA-100 and AA-200, the permittee shall determine the following for NOx emissions and maintain sufficient monthly records to document:

- (a) The permittee may utilize data supplied by the manufacturer, an approved EPA Test Method, or an approved EPA AP-42 Emission Factor for analysis of emissions and;
- (b) The permittee shall calculate the NOx emissions from the use of one or more of these methods each month and compare the emissions to those allowed under Section 3.B of this permit.

If the permittee is able to demonstrate compliance with the above requirements utilizing data obtained from demonstrating compliance with one or more of the applicable NSPS and/or MACT standards, then the permittee may utilize said data in lieu of the above requirements as long as the permittee can demonstrate all of the pollutant specific emission limitations/requirements described in Section 3.B have been met.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

5.B.7 For Emission Point AA-100 and AA-200, the permittee shall determine the CO Emission Rate by utilizing data obtained from either Stack/Performance Testing, Natural Gas Usage Records, or any other data necessary to determine the Emission Rate as determined for each consecutive 12-month period. If the permittee is able to demonstrate compliance with these requirements utilizing data obtained from demonstrating compliance with one or more of the applicable NSPS and/or MACT standards, then the permittee may utilize said data in lieu of the above requirements as long as the permittee can demonstrate all of the pollutant specific emission limitations/requirements described in Section 3.B have been met.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 5.B.8 For Emission Point AA-100 and AA-200, the permittee shall determine the SO₂ Emission Rate by utilizing data obtained from Stack/Performance Testing, Natural Gas Usage Records, and any other data necessary to determine the Emission Rate as determined for each consecutive 12-month period. If the permittee is able to demonstrate compliance with these requirements utilizing data obtained from demonstrating compliance with one or more of the applicable NSPS and/or MACT standards, then the permittee may utilize said data in lieu of the above requirements as long as the permittee can demonstrate all of the pollutant specific emission limitations/requirements described in Section 3.B have been met.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 5.B.9 For Emission Point AA-100, the permittee shall monitor and maintain sufficient monthly records indicating that the Good Combustion Practices were utilized for demonstrating compliance with the emission limits in Section 3.B (BACT Limits for PM/PM₁₀, VOC, NO_x, and CO) of this permit.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 5.B.10 For Emission Points AA-201 and AA-202, the permittee shall install a non-resettable hour meter prior to startup of each engine.

(Ref.: 40 CFR Part 60, Subpart JJJJ- Standards of Performance for Stationary Spark Ignition Internal Combustion Engines 40 CFR 60.4237(c); 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines; 40 CFR 60.4209(a).)

- 5.B.11 For Emission Points AA-201 and AA-202, the permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

(Ref.: 40 CFR 60.4245(b), Subpart JJJJ; 40 CFR 60.4214(b), Subpart IIII.)

- 5.B.12 For Emission Points AA-201 and AA-202, the permittee shall comply with the emission limitations by purchasing an engine certified by the manufacturer to those standards. The permittee shall install, configure, operate and maintain the stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions; change only those emission-related settings that are permitted by

the manufacturer; keep records of conducted maintenance; and keep documentation that the engine meets the emission standards.

(Ref.: 40 CFR 60.4243(a) and 60. 4245(a); Subpart JJJJ; 40 CFR 60.4211(c) and 60.4214(a)(2), Subpart IIII.)

- 5.B.13 For Emission Points AA-500 and AA-600, the permittee shall perform and maintain sufficient monthly records to document that Low VOC Content Material and/or Low VOC Rust Preventative Oil was utilized when technically feasible, along with Good Operating/Work Practices for minimizing VOC Emissions. These records shall be in the form of the following Good Work Practice Certification Statement which may be developed by the Facility and certified by the Responsible Official in the semi-annual report submittals:

"Based upon my inquiry of the person or persons directly responsible for managing compliance with the permit limitations described in Federally Enforceable PSD Permit to Construct issued December 11, 2007, for Emission Points AA-500 and AA-600, I certify that, to the best of my knowledge and belief, Good Work Practices have been utilized for the usage Low VOC Content Material and/or Low VOC Rust Preventative Oil was utilized when technically feasible for minimizing VOC Emissions. I further certify that this facility is maintaining sufficient records to demonstrate this upon a site inspection visit or request by any DEQ personnel."

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 5.B.14 For Emission Point AA-400 and AA-500, the permittee shall perform and maintain sufficient records to document Baghouse, Dry Filter Pressure Drop, Dry Filter System, Dry Filtration, Wet Filtration, and/or Wet Scrubber Usage, along with Good Operating/Work Practices that the control equipment is being operated in a manner consistent with vendor certification and manufacturer design and specifications for minimizing PM/PM10 Emissions. These records shall be in the form of the following Good Work Practice Certification Statement which may be developed by the facility and certified by the Responsible Official in the semi-annual report submittals:

"Based upon my inquiry of the person or persons directly responsible for managing compliance with the permit limitations described in Federally Enforceable PSD Permit to Construct issued December 11, 2007, for Emission Points AA-400 and AA-500, I certify that, to the best of my knowledge and belief, Preventative Maintenance of the control equipment is being performed in a manner consistent with vendor certification and manufacturer design and specifications. I further certify that this facility is maintaining sufficient records to demonstrate this upon a site inspection visit or request by any DEQ personnel."

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

5.B.15 For Emission Point AA-500, the permittee shall determine for each coating, adhesive, solvent or other Volatile Organic Compound (VOC) containing material used and maintain sufficient monthly records to document:

- (a) Quantity used (gal or lbs)
- (b) The percentage of VOC's by weight
- (c) The density (lbs/gal), unless material usages are measured in lbs
- (d) The permittee may utilize data supplied by the manufacturer, or analysis of VOC content by EPA Test Method 24 and/or 311, 40 CFR 60, Appendix A.
- (e) The permittee shall calculate the VOC emissions from the use of these materials each month and compare the VOC emissions to those allowed under Section 3.B of this permit.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

5.B.16 For Emission Point AA-500, the permittee shall conduct compliance assurance monitoring for PM/PM10/PM2.5 in accordance with the following monitoring approach. For each excursion, the permittee shall document the event and the corrective actions taken.

	Indicator No. 1	Indicator No. 2
Indicator	Pump Flow Verification	Visible Emissions Observations
Measurement Approach	Confirm that pump is operating through visual observation	Visual Observation
Monitoring Method and Location	Visual Observations made at pump	Visual Observation of stack
Indicator Range	Painting operations will not take place if scrubber is not operating	No VE. If VE detected, take corrective action and document the occurrence
QA/QC Practices/Criteria	Maintain pump per manufacturer's recommendations	
Monitoring Frequency	Daily	Weekly
Data Collection Procedures	Daily Log	Weekly Log

Averaging period	None	
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- 5.B.17 For Emission Point AA-700, the permittee shall perform and maintain sufficient records to document Good Operating/Work Practices have been utilized for minimizing VOC emissions. These records shall be in the form of the following Good Work Practice Certification Statement which may be developed by the facility and certified by the Responsible Official in the semi-annual report submittals:

"Based upon my inquiry of the person or persons directly responsible for managing compliance with the permit limitations described in in Federally Enforceable PSD Permit to Construct issued December 11, 2007, for Emission AA-700, I certify that, to the best of my knowledge and belief, Good Operating/Work Practices have been utilized for minimizing VOC emissions. I further certify that this facility is maintaining sufficient records to demonstrate this upon a site inspection visit or request by any DEQ personnel."

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

C. Specific Reporting Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant/Parameter Monitored	Reporting Requirement
AA-100 <i>(Natural Gas Fired Combustion)</i>	Feder Federally Enforceable PSD Permit to Construct issued December 11, 2007	5.C.2	PM/PM10	Semi-Annual Reports providing the Emission Rate
		5.C.3	VOC	
		5.C.4	NO_x	
		5.C.5	CO	
		5.C.6	SO₂	
		5.C.7	PM/PM10 VOC NO_x CO	Semi-Annual Reports providing the Fuel Quantity
AA-112 <i>(Boilers)</i>	40 CFR 60.48c(a)(1), (g)(2), (i), and (j), Subpart Dc	5.C.15	NSPS	Recordkeeping and Reporting Requirements

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant/Parameter Monitored	Reporting Requirement
AA-200 <i>(Emergency Support Equipment)</i>	Federally Enforceable PSD Permit to Construct issued December 11, 2007	5.C.2	PM/PM10	Semi-Annual Reports providing the Emission Rate
		5.C.3	VOC	
		5.C.4	NO_x	
		5.C.5	CO	
		5.C.6	SO₂	
AA-400 <i>(Welding Shops)</i>	Federally Enforceable PSD Permit to Construct issued December 11, 2007	5.C.1	Records	Semi-Annual Reports providing exceedances of weekly VEMs.
		5.C.2	PM/PM10	Semi-Annual Reports providing the Emission Rate
		5.C.3	VOC	Semi-Annual Reports providing the Emission Rate
AA-500 <i>(Plastic Shop)</i>	Federally Enforceable PSD Permit to Construct issued December 11, 2007	5.C.1	Records	Semi-Annual Reports providing exceedances of weekly VEMs.
		5.C.3	VOC	Semi-Annual Reports providing the Emission Rate
		5.C.2	PM/PM10	
	40 CFR 63.4520(a)(1 thru 6), Subpart PPPP	5.C.8	Semi-Annual Performance Testing	Reporting Requirements
	40 CFR 63.4530 (a thru h) 40 CFR 63.4531, Subpart PPPP	5.C.9	Records	Recordkeeping Requirements
		5.C.10		Form and Duration
	Federally Enforceable PSD Permit to Construct issued December 11, 2007	5.C.11	VOC/HAP	Semi-Annual Reports providing the Emission Rate

Emission Point(s)	Applicable Requirement	Condition Number	Pollutant/Parameter Monitored	Reporting Requirement
AA-600 <i>(Miscellaneous Metal Coating)</i>	Federally Enforceable PSD Permit to Construct issued December 11, 2007	5.C.3	VOC	Semi-Annual Reports providing the Emission Rate
	40 CFR 63.3920(a), Subpart M	5.C.12	Semi-Annual Performance Testing	Reporting Requirements
	40 CFR 63.3930 (a thru j), Subpart M	5.C.13	Records	Recordkeeping Requirements
	40 CFR 63.3931, Subpart M	5.C.14		Form and Duration
AA-700 <i>(Miscellaneous Process Cleaning)</i>	Federally Enforceable PSD Permit to Construct issued December 11, 2007	5.C.3	VOC	Semi-Annual Reports providing the Emission Rate

- 5.C.1 For Emission Points AA-400 and AA-500, the permittee shall submit semi-annual reports providing exceedances of weekly Visual Emission Evaluations. The report shall be submitted in accordance with Condition 5.A.4.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 5.C.2 For Emission Point AA-100, AA-200, AA-400, and AA-500, the permittee shall submit semi-annual reports providing the Particulate Matter/Particulate Matter-10 (PM/PM10) Emission Rates for demonstrating compliance with the emissions limitations in Section 3.B of this permit. These reports shall be submitted in accordance with Condition 5.A.4.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 5.C.3 For Emission Point AA-100, AA-200, AA-400, AA-500, AA-600, AA-700, the permittee shall submit semi-annual reports providing the Volatile Organic Compound (VOC) emission rates for demonstrating compliance with the

emissions limitations of Section 3.B of this permit. These reports shall be submitted in accordance with Condition 5.A.4.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 5.C.4 For Emission Point AA-100 and AA-200, the permittee shall submit semi-annual reports providing the Nitrogen Oxide (NO_x) emission rates for demonstrating compliance with the emissions limitations in Section 3.B of this permit. These reports shall be submitted in accordance with Condition 5.A.4.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 5.C.5 For Emission Point AA-100 and AA-200, the permittee shall submit semi-annual reports providing the Carbon Monoxide (CO) emission rates for demonstrating compliance with the emissions limitations in Section 3.B of this permit. These reports shall be submitted in accordance with Condition 5.A.4.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 5.C.6 For Emission Point AA-100 and AA-200, the permittee shall submit semi-annual reports providing the Sulfur Dioxide (SO₂) emission rates for demonstrating compliance with the emissions limitations in Section 3.B of this permit. These reports shall be submitted in accordance with Condition 5.A.4.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 5.C.7 For Emission Point AA-100, the permittee shall submit semi-annual reports providing the Quantity of Fuel Combusted in accordance with Condition 5.B.9 of the permit herein. These reports shall be submitted in accordance with Condition 5.A.4.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

- 5.C.8 For Emission Points AA-500, the permittee shall comply with the following Semi-Annual Reporting Requirements and Performance Testing Reporting Requirements as described by 40 CFR 63.4520:

- (a) *Semiannual compliance reports.* The permittee shall submit semiannual compliance reports for each affected source according to the requirements of paragraphs (a)(1) through (7) of this section. The semiannual compliance reporting requirements may be satisfied by reports required under other parts of the Clean Air Act (CAA), as specified in paragraph (a)(2) of this section.
 - (1) *Dates.* The permittee shall prepare and submit each semiannual compliance report according to the dates specified in paragraphs (a)(1)(i) through (iv) of this section. Note that the information reported for each of

the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

- (i) The first semiannual compliance report shall cover the first semiannual reporting period which begins the day after the end of the initial compliance period described in the initial compliance demonstration (40 CFR 63.4540, 63.4550, or 63.4560) that applies to the affected source and ends on June 30 or December 31, whichever date is the first date following the end of the initial compliance period.
 - (ii) Each subsequent semiannual compliance report shall cover the subsequent semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.
 - (iii) Each semiannual compliance report shall be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.
 - (iv) The permittee shall submit semiannual reports according to the semiannual reports of the Title V Operating Permit pursuant to 40 CFR 70.6(a)(3)(iii)(A) according to the dates the permitting authority has established herein.
- (2) *Inclusion with title V report.* Each affected source shall report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) according to the dates the permitting authority has established herein. If an affected source submits a semiannual compliance report pursuant to this section along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) and the semiannual compliance report includes all required information concerning deviations from any emission limitation in this subpart, its submission will be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a semiannual compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.
- (3) *General requirements.* The semiannual compliance report shall contain the information specified in paragraphs (a)(3)(i) through (vii) of this section, and the information specified in paragraphs (a)(4) through (7) and (c)(1) of this section that is applicable to the affected source.
- (i) Company name and address.

- (ii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
 - (iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
 - (iv) Identification of the compliance option or options specified in 40 CFR 63.4491 that the permittee used on each coating operation during the reporting period. If the permittee switched between compliance options during the reporting period, the permittee shall report the beginning and ending dates for each option the permittee used.
 - (v) If the permittee used the emission rate without add-on controls compliance option (40 CFR 63.4491(b)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.
 - (vi) If the permittee used the predominant activity alternative (40 CFR 63.4490(c)(1)), include the annual determination of predominant activity if it was not included in the previous semi-annual compliance report.
 - (vii) If the permittee used the facility-specific emission limit alternative (40 CFR 63.4490(c)(2)), include the calculation of the facility-specific emission limit for each 12-month compliance period during the 6-month reporting period.
- (4) *No deviations.* If there were no deviations from the emission limitations in Condition 3.A.44 (40 CFR 63.4490) that apply to the permittee, the semiannual compliance report shall include a statement that there were no deviations from the emission limitations during the reporting period. If the permittee used the emission rate with add-on controls option and there were no periods during which the continuous parameter monitoring systems (CPMS) were out-of-control as specified in 40 CFR 63.8(c)(7), the semiannual compliance report shall include a statement that there were no periods during which the CPMS were out-of-control during the reporting period.
- (5) *Deviations: Compliant material option.* If the permittee used the compliant material option and there was a deviation from the applicable organic HAP content requirements in Condition 3.A.44 (40 63.4490), the

semiannual compliance report shall contain the information in paragraphs (a)(5)(i) through (iv) of this section.

- (i) Identification of each coating used that deviated from the applicable emission limit, and each thinner and/or other additive, and cleaning material used that contained organic HAP, and the dates and time periods each was used.
 - (ii) The calculation of the organic HAP content (using Equation 1 of 40 CFR 63.4541) for each coating identified in paragraph (a)(5)(i) of this section. The permittee does not need to submit background data supporting this calculation (*e.g.*, information provided by coating suppliers or manufacturers, or test reports).
 - (iii) The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in paragraph (a)(5)(i) of this section. The permittee does not need to submit background data supporting this calculation (*e.g.*, information provided by material suppliers or manufacturers, or test reports).
 - (iv) A statement of the cause of each deviation.
- (6) *Deviations: Emission rate without add-on controls option.* If the permittee used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in Condition 3.A.44 (40 CFR 63.4490), the semiannual compliance report shall contain the information in paragraphs (a)(6)(i) through (iii) of this section.
- (i) The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in Condition 3.A.44 (40 CFR 63.4490).
 - (ii) The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The permittee shall submit the calculations for Equations 1, 1A through 1C, 2, and 3 of 40 CFR 63.4551; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.4551(e)(4). The permittee does not need to submit background data supporting these calculations (*e.g.*, information provided by materials suppliers or manufacturers, or test reports).
 - (iii) A statement of the cause of each deviation.

(Ref.: 40 CFR 63.4520(a)(1-6), Subpart PPPP.)

- 5.C.9 For Emission Points AA-500, the permittee shall comply with the following Recordkeeping Requirements as described by 40 CFR 63.4530 by maintaining records of the data and information specified in this section. Failure to collect and keep these records is a deviation from the applicable standard.
- (a) A copy of each notification and report that the permittee submitted to comply with 40 CFR Subpart PPPP, and the documentation supporting each notification and report.
 - (b) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the mass fraction of coating solids for each coating. If the permittee conducted testing to determine mass fraction of organic HAP, density, or mass fraction of coating solids, the permittee shall keep a copy of the complete test report. If the permittee uses information provided to the permittee by the manufacturer or supplier of the material that was based on testing, the permittee shall keep the summary sheet of results provided to the permittee by the manufacturer or supplier. The permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.
 - (c) For each compliance period, the records specified in paragraphs (c)(1) through (4) of this section.
 - (1) A record of the coating operations on which the permittee used each compliance option and the time periods (beginning and ending dates and times) for each option the permittee used.
 - (2) For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 1 of 40 CFR 63.4541.
 - (3) For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of 40 CFR 63.4551 and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.4551(e)(4); the calculation of the total mass of coating solids used each month using Equation 2 of 40 CFR 63.4551; and the calculation of each 12-month organic HAP emission rate using Equation 3 of 40 CFR 63.4551.
 - (d) A record of the name and mass of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If the permittee is using the compliant material option for all coatings at the source, the permittee may

maintain purchase records for each material used rather than a record of the mass used.

- (e) A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period.
- (f) A record of the mass fraction of coating solids for each coating used during each compliance period.
- (g) If the permittee uses an allowance in Equation 1 of 40 CFR 63.4551 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to 40 CFR 63.4551(e)(4), the permittee shall keep records of the information specified in paragraphs (g)(1) through (3) of this section.
 - (1) The name and address of each TSDF to which the permittee sent waste materials for which the permittee uses an allowance in Equation 1 of 40 CFR 63.4551, a statement of which subparts under 40 CFR parts 262, 264, 265, and 266 apply to the facility; and the date of each shipment.
 - (2) Identification of the coating operations producing waste materials included in each shipment and the month or months in which the permittee used the allowance for these materials in Equation 1 of 40 CFR 63.4551.
 - (3) The methodology used in accordance with 40 CFR 63.4551(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This shall include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.
- (h) The permittee shall keep records of the date, time, and duration of each deviation.

5.C.10 For Emission Points AA-500, the permittee shall comply with the following Recordkeeping Requirements:

- (a) The records shall be in a form suitable and readily available for expeditious review, and where appropriate, may be maintained as electronic spreadsheets or as a database.
- (b) The permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

- (c) The permittee shall keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee may keep the records off-site for the remaining 3 years.

(Ref.: 40 CFR 63.4530 (a) thru (h) and 40 CFR 63.4531 40 CFR 63.10(b)(1), Subpart PPPP.)

5.C.11 For Emission Point AA-500, the permittee shall submit semi-annual reports providing the following:

- (a) Quantity of VOC(s) used (gal or lbs)
- (b) The percentage of VOC's by weight
- (c) The density (lbs/gal), unless material usages are measured in lbs
- (d) The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP content by EPA Test Method 24 and/or EPA Test Method 311 40 CFR 60, Appendix A.

The report shall be submitted in accordance with Condition 5.A.4.

(Ref.: Federally Enforceable PSD Permit to Construct issued December 11, 2007.)

5.C.12 For Emission Points AA-600, the permittee shall comply 40 CFR 63.3920 and submit semi-annual reports in accordance with 40 CFR 70.6(a)(3)(iii)(A) and Condition 5.A.4 of the permit herein. The report shall include all deviations as required by 40 CFR 63.3920(a)(2) and Condition 5.A.5 of the permit herein. The semi-annual report shall include the following:

- (a) Company name and address.
- (b) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
- (c) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
- (d) Identification of the compliance option or options specified in 40 CFR 63.3891 that the permittee used on each coating operation during the reporting period. If the permittee switched between compliance options during the reporting period, the permittee shall report the beginning and ending dates for each option the permittee used.

- (e) If the permittee used the emission rate without add-on controls or the emission rate with add-on controls compliance option (40 CFR 63.3891(b) or (c)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.
- (f) *No deviations.* If there were no deviations from the emission limitations in 40 CFR 63.3890 that apply to the permittee, the semiannual compliance report shall include a statement that there were no deviations from the emission limitations during the reporting period. If the permittee used the emission rate with add-on controls option and there were no periods during which the continuous parameter monitoring systems (CPMS) were out-of-control as specified in 40 CFR 63.8(c)(7), the semiannual compliance report shall include a statement that there were no periods during which the CPMS were out-of-control during the reporting period.
- (g) *Deviations: Compliant material option.* If the permittee used the compliant material option and there was a deviation from the applicable organic HAP content requirements in 40 CFR 63.3890, the semiannual compliance report shall contain the information in paragraphs (a)(5)(i) through (iv) of this section.
 - (1) Identification of each coating used that deviated from the applicable emission limit, and each thinner and/or other additive, and cleaning material used that contained organic HAP, and the dates and time periods each was used.
 - (2) The calculation of the organic HAP content (using Equation 2 of 40 CFR 63.3941) for each coating identified in paragraph (a)(5)(i) of this section. The permittee do not need to submit background data supporting this calculation (*e.g.*, information provided by coating suppliers or manufacturers, or test reports).
 - (3) The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in paragraph (a)(5)(i) of this section. The permittee do not need to submit background data supporting this calculation (*e.g.*, information provided by material suppliers or manufacturers, or test reports).
 - (4) A statement of the cause of each deviation.
- (h) *Deviations: Emission rate without add-on controls option.* If the permittee used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in 40 CFR 63.3890, the semiannual compliance report shall contain the information in paragraphs (a)(6)(i) through (iii) of this section.

- (1) The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in 40 CFR 63.3890.
- (2) The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The permittee shall submit the calculations for Equations 1, 1A through 1C, 2, and 3 of 40 CFR 63.3951; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4). The permittee do not need to submit background data supporting these calculations (*e.g.*, information provided by materials suppliers or manufacturers, or test reports).
- (3) A statement of the cause of each deviation.

(Ref.: 40 CFR 63.3920(a), Subpart M.)

5.C.13 For Emission Points AA-600, the permittee shall comply with the following Recordkeeping Requirements as described by 40 CFR 63.3930 by maintaining records of the data and information specified in this section. Failure to collect and keep these records is a deviation from the applicable standard.

- (a) A copy of each notification and report that the permittee submitted to comply with this subpart, and the documentation supporting each notification and report. If the permittee is using the predominant activity alternative under 40 CFR 63.3890(c), the permittee shall keep records of the data and calculations used to determine the predominant activity. If the permittee is using the facility-specific emission limit alternative under 40 CFR 63.3890(c), the permittee shall keep records of the data used to calculate the facility-specific emission limit for the initial compliance demonstration. The permittee shall also keep records of any data used in each annual predominant activity determination and in the calculation of the facility-specific emission limit for each 12-month compliance period included in the semi-annual compliance reports.
- (b) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If the permittee conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the permittee shall keep a copy of the complete test report. If the permittee use information provided to the permittee by the manufacturer or supplier of the material that was based on testing, the permittee shall keep the summary sheet of results provided to the permittee by the manufacturer or supplier. The permittee are not required to

obtain the test report or other supporting documentation from the manufacturer or supplier.

- (c) For each compliance period, the records specified in paragraphs (c)(1) through (4) of this section.
- (1) A record of the coating operations on which the permittee used each compliance option and the time periods (beginning and ending dates and times) for each option the permittee used.
 - (2) For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of 40 CFR 63.3941.
 - (3) For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of 40 CFR 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of 40 CFR 63.3951.
 - (4) For the emission rate with add-on controls option, records of the calculations specified in paragraphs (c)(4)(i) through (v) of this section.
 - (i) The calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1 and 1A through 1C of 40 CFR 63.3951 and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4);
 - (ii) The calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951;
 - (iii) The calculation of the mass of organic HAP emission reduction by emission capture systems and add-on control devices using Equations 1 and 1A through 1D of 40 CFR 63.3961 and Equations 2, 3, and 3A through 3C of 40 CFR 63.3961, as applicable;
 - (iv) The calculation of each month's organic HAP emission rate using Equation 4 of 40 CFR 63.3961; and
 - (v) The calculation of each 12-month organic HAP emission rate using Equation 5 of 40 CFR 63.3961.

- (d) A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If the permittee are using the compliant material option for all coatings at the source, the permittee may maintain purchase records for each material used rather than a record of the volume used.
- (e) A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight.
- (f) A record of the volume fraction of coating solids for each coating used during each compliance period.
- (g) If the permittee use either the emission rate without add-on controls or the emission rate with add-on controls compliance option, the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period.
- (h) If the permittee use an allowance in Equation 1 of 40 CFR 63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to 40 CFR 63.3951(e)(4), the permittee shall keep records of the information specified in paragraphs (h)(1) through (3) of this section.
 - (1) The name and address of each TSDF to which the permittee sent waste materials for which the permittee use an allowance in Equation 1 of 40 CFR 63.3951; a statement of which subparts under 40 CFR parts 262, 264, 265, and 266 apply to the facility; and the date of each shipment.
 - (2) Identification of the coating operations producing waste materials included in each shipment and the month or months in which the permittee used the allowance for these materials in Equation 1 of 40 CFR 63.3951.
 - (3) The methodology used in accordance with 40 CFR 63.3951(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This shall include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.
- (j) The permittee shall keep records of the date, time, and duration of each deviation.

(Ref.: 40 CFR 63.3930, Subpart M.)

5.C.14 For Emission Points AA-600, the permittee shall comply with the following Recordkeeping Requirements:

- (a) The records shall be in a form suitable and readily available for expeditious review, and where appropriate, may be maintained as electronic spreadsheets or as a database.
- (b) The permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- (c) The permittee shall keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee may keep the records off-site for the remaining 3 years.

(Ref.: 40 CFR 63.3931 and 63.10(b)(1), Subpart MMMM.)

5.C.15 For Emission Point AA-112, the permittee shall comply with the following recordkeeping and reporting requirements:

- (a) the permittee shall submit notification of the date of construction or reconstruction and actual startup. This notification shall also include the identification of fuel to be combusted.
- (b) the permittee shall record and maintain records of the amount of each fuel combusted during each calendar month.
- (c) all records required under this section shall be maintained by the permittee for a period of two years following the date of such record.
- (d) the reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the DEQ in accordance to Condition 5.A.4.

(Ref.: 40 CFR 60.48c(a)(1), (g)(2), (i), and (j), Subpart Dc.)

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;
 - (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. Episodes	Regulations for the Prevention of Air Pollution Emergency
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 63
NMVOC	Non-Methane Volatile Organic Compounds
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standards, 40 CFR 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