

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

**TO OPERATE AIR EMISSIONS EQUIPMENT**

**THIS CERTIFIES THAT**

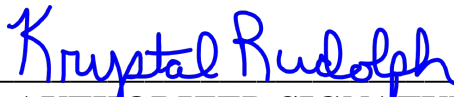
Hartson-Kennedy Cabinet Top Company, Inc. (d.b.a. Hartson-Kennedy, Inc.)  
10115 Lorraine Road  
Gulfport, Harrison County, Mississippi

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: January 17, 2020**

**Effective Date: As Specified Herein.**

**MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD**



**AUTHORIZED SIGNATURE**

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Modified: August 9, 2023 (name change)**

**Expires: December 31, 2024**

**Permit No.: 1020-00007**

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## SECTION 1. GENERAL CONDITIONS

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

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

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

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

1.3 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 three (3) or more years. Such a reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended.

(2) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

(3) The Permit Board or the 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) Re-openings shall not be initiated before a notice of such intent is provided to the Title V source by the Mississippi Department of Environmental Quality (MDEQ) at least thirty (30) days in advance of the date that the permit is to be reopened, except that the Permit Board may provide a shorter time period in the case of an emergency.

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

- 1.5 The permittee shall furnish to the MDEQ within a reasonable time any information the MDEQ 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 MDEQ copies of records required to be kept by the permittee or, for information to be confidential, the permittee shall furnish such records to the MDEQ 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 MDEQ 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 Mississippi Administrative Code, Title 11, Part 2, Chapter 6 – “Air Emissions Operating Permit Regulations for Purposes of Title V of the Federal Clean Air Act”.

- (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 MDEQ 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 MDEQ 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 MDEQ, 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, 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 Operating Permit (TVOP). If the permittee submits a timely and complete application, the failure to have a TVOP 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 MDEQ 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 timeframe as provided in other regulations for emergencies] and the notification includes the following:
  - (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 MDEQ 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 Mississippi Administrative Code, Title 11, Part 2, Chapter 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 Mississippi Administrative Code, Title 11, Part 2, Chapter 2 – “Permit Regulations for the Construction and/or Operation of Air Emissions Equipment” – and may require modification of this permit in accordance with Mississippi Administrative Code, Title 11, Part 2, Chapter 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 Part 51, 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, silvi-cultural wastes for forest management purposes, land-clearing debris, debris from emergency clean-up

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

- (a) Open burning without a forced-draft air system must not occur within five hundred (500) yards of an occupied dwelling.
- (b) Open burning utilizing a forced-draft air system on all fires to improve the combustion rate and reduce smoke may be done within 500 yards of but not within fifty (50) yards of an occupied dwelling.
- (c) Burning must not occur within 500 yards of commercial airport property, private 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 non-compliance 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 Part (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 MDEQ within two (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, start-ups, and shutdowns.

- (a) Upsets (as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.)
  - (1) For an upset, the Commission may pursue an enforcement action for noncompliance with an emission standard or other requirement of an applicable rule, regulation, or permit. In determining whether to pursue enforcement action, and/or the appropriate enforcement action to take, the Commission may consider whether the source has demonstrated through properly signed contemporaneous operating logs or other relevant evidence the following:
    - (i) An upset occurred and that the source can identify the cause(s) of the upset;
    - (ii) The source was at the time being properly operated;
    - (iii) During the upset the source took all reasonable steps to minimize levels of emissions that exceeded the emission standard or other requirement of an applicable rule, regulation, or permit;
    - (iv) That within five (5) working days of the time the upset began, the source submitted a written report to the Department describing the upset, the steps taken to mitigate excess emissions or any other non-compliance, and the corrective actions taken and;
    - (v) That as soon as practicable but no later than twenty-four (24) hours of becoming aware of an upset that caused an immediate adverse impact to human health or the environment beyond the source boundary or

caused a general nuisance to the public, the source provided notification to the Department.

- (2) In any enforcement proceeding by the Commission, the source seeking to establish the occurrence of an upset has the burden of proof.
  - (3) This provision is in addition to any upset provision contained in any applicable requirement.
  - (4) These upset provisions apply only to enforcement actions by the Commission and are not intended to prohibit EPA or third party enforcement actions.
- (b) Start-ups and Shutdowns (as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.)
- (1) Start-ups and shutdowns are part of normal source operation. Emission limitations apply during start-ups and shutdowns unless source specific emission limitations or work practice standards for start-ups and shutdowns are defined by an applicable rule, regulation, or permit.
  - (2) Where the source is unable to comply with existing emission limitations established under the State Implementation Plan (SIP) and defined in this Mississippi Administrative Code, Title 11, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for start-ups and shutdowns. Source specific emission limitations or work practice standards established for start-ups and shutdowns are subject to the requirements prescribed in Mississippi Administrative Code, Title 11, Part 2, Chapter 1, Rule 1.10.B.(2)(a) through (e).
  - (3) Where an upset as defined in Rule 1.2 occurs during start-up or shutdown, see the upset requirements above.

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

- 1.26 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 Mississippi Administrative Code, Title 11, Part 2, Chapter 1, Rule 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.)

- 1.27 Regarding compliance testing (if applicable):

- (a) The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time.

- (b) Compliance testing will be performed at the expense of the permittee.
- (c) Each emission sampling and analysis report shall include (but not be limited to) the following:
  - (1) Detailed description of testing procedures;
  - (2) Sample calculation(s);
  - (3) Results; and
  - (4) Comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.6.B.(3), (4), and (6).)

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

Emission Point	Description
AA-000	Facility-Wide [Hartson-Kennedy Cabinet Top Company, Inc. (d.b.a. Hartson-Kennedy, Inc.)]
AA-001	The Counter Top Manufacturing Building
AA-002	Gluing and Clean-Up Operations for Counter-Top Production Line No. 1 [historically identified as the “Super Line”; emissions from the clean-up operations are vented inside the building]
AA-003	Gluing and Clean-Up Operations for Counter-Top Production Line No. 2 [historically identified as the “Main Line”; emissions from the clean-up operations are vented inside the building]
AA-004	Gluing and Clean-Up Operations for Counter-Top Production Line No. 3 [historically identified as the “Duraform Line”; emissions from the clean-up operations are vented inside the building]
AA-005	Gluing and Clean-Up Operations for Counter-Top Production Line No. 4 [historically identified as the “Bar Line”; emissions from the clean-up operations are vented inside the building]
AA-006	Woodworking Operations for Counter-Top Production Lines No. 1 – 4 [consists of routing, planing, sawing, and sanding of particle board (referred to as “Blanks” and/or “Cores; emissions generated from these operations are vented to a cyclone and a baghouse in series (Dust Collector (DC)-1)]
AA-007	Ultraviolet (UV) Coating Operations

## **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 or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process that exceeds forty (40) percent opacity subject to the exceptions provided below:

- (a) Start-up operations may produce emissions that exceed 40% opacity for up to fifteen (15) minutes per start-up in any one (1) hour and not to exceed three (3) start-ups per stack in any twenty-four (24) hour period.
- (b) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed sixty (60) percent opacity and provided further that the aggregate duration of such emissions during any twenty-four (24) hour period does not exceed ten (10) minutes per billion BTU gross heating value of fuel in any one (1) 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 or allow the discharge into the ambient air from any point source any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity equivalent to that provided in Condition 3.A.1. This shall not apply to vision obscuration caused by uncombined water droplets.

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

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

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

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

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

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant / Parameter</b>	<b>Limit / Standard</b>
AA-002 through AA-005 AA-007	40 CFR Part 63, Subpart JJ – National Emission Standards for Wood Furniture Manufacturing Operations 40 CFR 63.800, and 63.801; Subpart JJ	3.B.1	HAPs	General Applicability
	40 CFR 63.802(a)(4), Subpart JJ	3.B.2	Formaldehyde Content	Use Coatings and Adhesives with ≤1.0% Formaldehyde (By Weight)
AA-002 through AA-005	40 CFR 63.802(a)(2)(ii) and Table 3; Subpart JJ	3.B.3	Volatile HAPs	1.0 lb. / lb. of Solids as Applied
AA-006	11 Miss. Admin. Code Pt. 2, R. 1.3.F.	3.B.4	PM (filterable)	$E = 4.1 \cdot (p^{0.67})$
	11 Miss. Admin. Code Pt. 2, R. 2.15.C., as established in the Title V Operating Permit issued November 3, 2014	3.B.5	PM / PM <sub>10</sub> / PM <sub>2.5</sub> (filterable only)	Operational Requirement (Control Devices)

3.B.1 For Emission Points AA-002 through AA-005 and AA-007, the permittee is subject to and shall comply with the applicable standards found in 40 CFR Part 63, Subpart JJ – National Emission Standards for Wood Furniture Manufacturing Operations and 40 CFR Part 63, Subpart A – General Provisions (as required in Table 1 of Subpart JJ).

(Ref.: 40 CFR 63.800 and 63.801; Subpart JJ)

3.B.2 For Emission Points AA-002 through AA-005 and AA-007, the permittee shall limit the emission of formaldehyde by only using low-formaldehyde coatings and contact adhesives.

For the purpose of this condition, “low-formaldehyde” shall mean (in the context of a coating or contact adhesive) a product concentration of less than / equal to 1.0 percent formaldehyde by weight.

(Ref.: 40 CFR 63.802(a)(4); Subpart JJ)

For Emission Points AA-002 through AA-005, the permittee shall limit the emission of volatile hazardous air pollutants (VHAPs) from contact adhesives by not exceeding 1.0 pound (lb.) of VHAPs per pound of solids as applied.

(Ref.: 40 CFR 63.802(a)(2)(ii) and Table 3; Subpart JJ)



- 3.B.3 For Emission Point AA-006, unless otherwise specified herein, the permittee shall not allow the emission of particulate matter (PM) in total quantities in any one (1) hour from any manufacturing process (which includes any associated stacks, vents, outlets, or combination thereof) to exceed the amount determined by the relationship:

$$E = 4.1 \cdot (p^{0.67})$$

where “**E**” is the emission rate in pounds per hour and “**p**” is the process weight input rate in tons per hour. The conveyor discharge of coarse solid matter may be allowed if no nuisance is created beyond the property boundary where the discharge occurs.

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

- 3.B.4 For Emission Point AA-006, the permittee shall operate the baghouses (“DC-1” and “DC-2”) at all times during the respective operations. In the event of a failure of the pollution control equipment, the permittee shall cease operations of the respective process until such time repairs are made and the proper efficiency of the pollution control equipment is restored.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.15.C, as established in the Title V Operating Permit issued November 3, 2014)

C. INSIGNIFICANT AND TRIVIAL ACTIVITY EMISSION LIMITATIONS & STANDARDS

Applicable Requirement	Condition Number	Pollutant / Parameter	Limit / Standard
11 Miss. Admin. Code Pt. 2, R. 1.3.D.(1)(a).	3.C.1	PM	0.6 lb. / MMBTU
11 Miss. Admin. Code Pt. 2, R. 1.4.A.(1).	3.C.2	SO <sub>2</sub>	4.8 lb. / MMBTU
11 Miss. Admin. Code Pt. 2, R. 1.3.F.	3.C.3	PM	$E = 4.1 \cdot (p^{0.67})$

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

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

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

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

3.C.3 Except as otherwise specified, the permittee shall not allow the emission of PM in total quantities in any one (1) hour from any manufacturing process (which includes any associated stacks, vents, outlets, or combination thereof) to exceed the amount determined by the relationship:

$$E = 4.1 \cdot (p^{0.67})$$

where “**E**” is the emission rate in pounds per hour and “**p**” is the process weight input rate in tons per hour. The conveyor discharge of coarse solid matter may be allowed if no nuisance is created beyond the property boundary where the discharge occurs.

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

**D. WORK PRACTICE STANDARDS**

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant / Parameter</b>	<b>Limit/Standard</b>
AA-001	40 CFR 63.803(a); Subpart JJ	3.D.1	VHAPs	Work Practice Implementation Plan
	40 CFR 63.803(b); Subpart JJ	3.D.2		Initial Training and Annual Refresher Training
	40 CFR 63.803(c); Subpart JJ	3.D.3		Leak Inspection and Maintenance Plan
	40 CFR 63.803(d); Subpart JJ	3.D.4		Organic solvent accounting form
AA-002 through AA-005	40 CFR 63.803(f); Subpart JJ	3.D.5	VOCs	Do Not Use Compounds Containing More than 8.0% (by weight) for Cleaning Spray Booth Components
AA-002 through AA-005 AA-007	40 CFR 63.803(e); Subpart JJ	3.D.6	VHAPs	Do Not Use Cleaning or Wash-Off Solvents that Contain Any Pollutant Listed in Table 4 – Subpart JJ
	40 CFR 63.803(g); Subpart JJ	3.D.7		Use Normally Closed Containers for Storing Finishing, Cleaning, Gluing and Wash-Off Materials
	40 CFR 63.803(i); Subpart JJ	3.D.8		Pump or Drain All Organic Solvent Used for Line Cleaning into a Normally Closed Container
	40 CFR 63.803(j); Subpart JJ	3.D.9		Collect All Organic Solvents Used to Clean Spray Guns into a Normally Closed Container
	40 CFR 63.803(k); Subpart JJ	3.D.10		Control Emissions from Wash-Off Operations
	40 CFR 63.803(l); Subpart JJ	3.D.11		Requirement for a Formulation Assessment Plan

3.D.1 For Emission Point AA-001, the permittee shall maintain a written work practice implementation plan that defines environmentally desirable work practices for each wood furniture manufacturing operation subject to 40 CFR Part 63, Subpart JJ. The plan shall address each of the work practice standards in Conditions 3.D.1 through 3.D.11.

(Ref.: 40 CFR 63.803(a); Subpart JJ)

3.D.2 For Emission Point AA-001, the permittee shall train all new and existing personnel (including contract personnel) who are involved in finishing, gluing, cleaning, and wash-off operations; use of manufacturing equipment; or implementation of the requirements specified in Subpart JJ. All new personnel shall be trained upon hiring. All personnel shall be given refresher training annually. The permittee shall maintain a copy of the training program with the work practice implementation plan.

The training program shall include (at a minimum) the following items:

- (a) A list of all current personnel by name and job description that are required to be trained;
- (b) An outline of the subjects to be covered in the initial and refresher training for each position or group of personnel;
- (c) Lesson plans for courses to be given at the initial and the annual refresher training that include, at a minimum, appropriate application techniques, appropriate cleaning and washoff procedures, appropriate equipment setup and adjustment to minimize finishing material usage and overspray, and appropriate management of cleanup wastes; and
- (d) A description of the methods to be used at the completion of initial or refresher training to demonstrate and document successful completion.

(Ref.: 40 CFR 63.803(b); Subpart JJ)

3.D.3 For Emission Point AA-001, the permittee shall prepare and maintain (with the work practice implementation plan) a written leak inspection and maintenance plan that specifies the following items:

- (a) A minimum visual inspection frequency of once per month for all equipment used to transfer or apply coatings, adhesives, or organic solvents;
- (b) An inspection schedule;
- (c) Methods for documenting the date and results of each inspection and any repairs that were made;
- (d) The timeframe between identifying the leak and making the repair, which adheres, at a minimum, to the following schedule:
  - (1) A first attempt at repair (e.g. tightening of packing glands) shall be made no later than five (5) calendar days after the leak is detected; and
  - (2) Final repairs shall be made within fifteen (15) calendar days after the leak is detected, unless the leaking equipment is to be replaced by a new purchase, in which case repairs shall be completed within three (3) months.

(Ref.: 40 CFR 63.803(c); Subpart JJ)

3.D.4 For Emission Point AA-001, the permittee shall develop an organic solvent accounting form to record the following information:

- (a) The quantity and type of organic solvent used each month for wash-off and cleaning;
- (b) The number of pieces washed off, and the reason for the wash-off; and

- (c) The quantity of spent solvent generated from each wash-off and cleaning operation each month as well as whether it is recycled on-site or disposed off-site.

(Ref.: 40 CFR 63.803(d); Subpart JJ)

- 3.D.5 For Emission Points AA-002 through AA-005, the permittee shall not use compounds containing more than 8.0 percent by weight of VOCs for cleaning spray booth components other than conveyors, continuous coaters and their enclosures, or metal filters, unless the spray booth is being refurbished.

If the spray booth is being refurbished, that is the spray booth coating or other protective material used to cover the booth is being replaced, the permittee shall use no more than 1.0 gallon of organic solvent per booth to prepare the surface of the booth prior to applying the booth coating.

(Ref.: 40 CFR 63.803(f); Subpart JJ)

- 3.D.6 For Emission Points AA-002 through AA-005 and AA-007, the permittee shall not use cleaning or wash-off solvents that contain any specified in Table 4 of Subpart JJ (as found in Appendix B of this permit) that are in concentrations subject to Material Safety Data Sheet (MSDS) reporting as required by the Occupational Safety and Health Administration (OSHA).

(Ref.: 40 CFR 63.803(e), Subpart JJ)

- 3.D.7 For Emission Points AA-002 through AA-005 and AA-007, the permittee shall use normally closed containers for storing finishing, cleaning, gluing, and wash-off materials.

(Ref.: 40 CFR 63.803(g); Subpart JJ)

- 3.D.8 For Emission Points AA-002 through AA-005 and AA-007, the permittee shall pump or drain all organic solvent used for line cleaning into a normally closed container.

(Ref.: 40 CFR 63.803(i); Subpart JJ)

- 3.D.9 For Emission Points AA-002 through AA-005 and AA-007, the permittee shall collect all organic solvent used to clean spray guns into a normally closed container.

(Ref.: 40 CFR 63.803(j); Subpart JJ)

- 3.D.10 For Emission Points AA-002 through AA-005 and AA-007, the permittee shall control emissions from wash-off operations by for the specifications:

- (a) Use normally closed tanks for wash-off; and
- (b) Minimize dripping by tilting or rotating the part to drain as much solvent as possible.

(Ref.: 40 CFR 63.803(k); Subpart JJ)

3.D.11 For Emission Points AA-002 through AA-005 and AA-007, the permittee shall prepare and maintain (with the work practice implementation plan) a formulation assessment plan that:

- (a) Identify VHAPs from the list presented in Table 5 of Subpart JJ that are being used in finishing operations by the affected source.
- (b) Establish a baseline level of usage by the permittee, for each VHAP identified in Table 5 of Subpart JJ (as found in Appendix B of this permit). The baseline usage level shall be the highest annual usage from 1994, 1995, or 1996 for each VHAP identified.

For formaldehyde, the baseline level of usage shall be based on the amount of free formaldehyde present in the finishing material when it is applied. For styrene, the baseline level of usage shall be an estimate of unreacted styrene, which shall be calculated by multiplying the amount of styrene monomer in the finishing material, when it is applied, by a factor of 0.16. Sources using a control device to reduce emissions may adjust their usage based on the overall control efficiency of the control system consistent with the equation in 40 CFR 63.805(d) or (e), Subpart JJ.

- (c) Track the annual usage of each VHAP identified in Table 5 of Subpart JJ that is present in amounts subject to MSDS reporting as required by OSHA.
- (d) If the annual usage of the VHAPs identified in Table 5 of Subpart JJ exceeds its baseline level, then the permittee of the affected source shall provide a written notification to the MDEQ that describes the amount of the increase and explains the reasons for exceedance of the baseline level.

The following explanations would relieve the permittee from further action **unless** the permittee is not in compliance with other requirements for that VHAP:

- (1) The exceedance is no more than 15.0 percent above the baseline level;
- (2) Usage of the VHAP is below the de minimis level presented in Table 5 of Subpart JJ for that VHAP (sources using a control device to reduce emissions may adjust their usage based in the overall control efficiency of the control system, which is determined consistent with the procedures in 40 CFR 63.805(d) or (e), Subpart JJ.
- (3) The permittee is in compliance with any other MDEQ regulations or guidelines for the VHAP; or
- (4) The source of the pollutant is a finishing material with a VOC content of no more than 1.0 pound of VOCs per pound of solids, as applied.

- (e) If none of the above explanations are the reason for the increase, the permittee shall confer with MDEQ to discuss the reason for the increase and whether there are practical and reasonable technology-based solutions for reducing the usage. The evaluation of whether a technology is reasonable and practical shall be based on cost, quality, and marketability of the product, whether the technology is being used successfully by other wood furniture manufacturer's operations, or other criteria mutually agreed upon by MDEQ and the permittee.

If there are no practical and reasonable solutions, the permittee need take no further action. If there are solutions, permittee shall develop a plan to reduce usage of the pollutant to the extent feasible. The plan shall address the approach to be used to reduce emissions, a timetable for implementing the plan, and a schedule for submitting notification of progress.

- (f) If the permittee uses a VHAP of potential concern listed in Table 6 of Subpart JJ (as found in Appendix B of this permit) for which a baseline level has not been previously established, then the baseline level shall be established as the *de minimis* level provided in that same table for that chemical. The permittee shall track the annual usage of each VHAP of potential concern identified in this section that is present in amounts subject to MSDS reporting as required by OSHA.

If usage of the VHAP of potential concern exceeds the *de minimis* level listed in Table 6 of Subpart JJ for that chemical, then the permittee shall provide an explanation to the MDEQ that documents the reason for exceedance of the *de minimis* level. If the explanation is not one of those listed in Condition 3.D.11(c)(1) – (4) the permittee shall follow the procedures established in Condition 3.D.11(d).

(Ref.: 40 CFR 63.803(l); Subpart JJ)

## **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.

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 of each year for the preceding calendar year. If the permit was reissued or modified during the course of the preceding calendar year, the certification of compliance shall address each version of the permit. Each compliance certification shall include the following items:

- (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), and (d).)



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

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

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

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

5.A.2 In addition to the recordkeeping specified below, the permittee shall include with all records of required monitoring 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. Supporting information includes all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

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

5.A.4 Except as otherwise specified herein, the permittee shall submit reports of any required monitoring by July 31 and January 31 of each calendar year for the preceding six-month period. All instances of deviations from permit requirements must be clearly identified in such reports and all required reports must be certified by a responsible official consistent with Mississippi Administrative Code, Title 11, Part 2, Chapter 6, Rule 6.2.E.

For applicable periodic reporting requirements in 40 CFR Parts 60, 61, and 63, the permittee shall comply with the deadlines in this condition for reporting conducted on a semiannual basis. Additionally, any required quarterly reports shall be submitted by the end of the month following each calendar quarter (i.e. April 30, July 31, October 31, and January 31) and any required annual reports shall be submitted by January 31 following each calendar year.

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

(Ref.: 40 CFR 60.19(c), 61.10(g), and 63.10(a)(5); Subpart A)

- 5.A.5 Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. The report shall be made within five (5) working days of the time the deviation began.

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

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

- 5.A.8 Unless otherwise specified in Section 4, upon permit issuance, the monitoring, testing, recordkeeping, and reporting requirements of Section 5 herein supersede the requirements of any preceding permit to construct and/or operate.

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

**B. SPECIFIC MONITORING AND RECORDKEEPING REQUIREMENTS**

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant / Parameter Monitored</b>	<b>Monitoring / Recordkeeping Requirement</b>
AA-001	40 CFR 63.806(e); Subpart JJ	5.B.1	VHAPs	Recordkeeping Requirements
AA-001 through AA-005 AA-007	40 CFR 63.806(b); Subpart JJ	5.B.2		
	40 CFR 63.806(h); Subpart JJ	5.B.3	Formaldehyde	
	40 CFR 63.806(i); Subpart JJ	5.B.4	VHAP	
	40 CFR 63.806(j); Subpart JJ	5.B.5		
	40 CFR 63.804(c)(1); Subpart JJ	5.B.6		
	40 CFR 63.804(h)(3); Subpart JJ	5.B.7		
AA-006	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).	5.B.8	Opacity	Monitoring and Recordkeeping Requirements
		5.B.9	PM	

5.B.1 For Emission Point AA-001, the permittee shall maintain on-site the work practice implementation plan and all associated records including (but not limited to) information:

- (a) Records demonstrating that the operator training program in Condition 3.D.2 is in place;
- (b) Records collected in accordance with the inspection and maintenance plan required in Condition 3.D.3;
- (c) Records associated with the cleaning solvent accounting system required in Condition 3.D.4;
- (d) Records associated with the formulation assessment plan in Condition 3.D.11; and
- (e) Copies of documentation such as logs developed to demonstrate the other provisions of the work practice implementation plan are followed.

(Ref.: 40 CFR 63.806(e); Subpart JJ)

5.B.2 For Emission Points AA-001 through AA-005 and AA-007, the permittee shall maintain the following records:

- (a) A certified product data sheet for each finishing material, thinner, contact adhesive, and strippable spray booth coating subject to the emission limits in 40 CFR 63.802; and
- (b) The VHAP content (in pound of VHAPs per pound of solids, as applied) of each finishing material and contact adhesive subject to the emission limits in 40 CFR 63.802, Subpart JJ; and
- (c) The VOC content (in pounds of VOCs per pound of solids, as applied) of each strippable booth coating subject to the emission limits in 40 CFR 63.802(a)(3) or (b)(3), Subpart JJ.

(Ref.: 40 CFR 63.806(b); Subpart JJ)

- 5.B.3 For Emission Points AA-001 through AA-005 and AA-007, the permittee shall maintain records of the compliance certifications submitted for each semi-annual reporting period.

(Ref.: 40 CFR 63.806(h); Subpart JJ)

- 5.B.4 For Emission Points AA-001 through AA-005 and AA-007, the permittee shall maintain records of all other information submitted with the compliance status report required by 40 CFR 63.9(h); Subpart A, 40 CFR 63.807(b); Subpart JJ, and the semi-annual reports required in Condition 5.C.2.

(Ref.: 40 CFR 63.806(i); Subpart JJ)

- 5.B.5 For Emission Points AA-001 through AA-005 and AA-007, the permittee shall maintain all records in accordance with Condition 5.A.3.

(Ref.: 40 CFR 63.806(j); Subpart JJ)

- 5.B.6 For Emission Points AA-002 through AA-005 and AA-007, the permittee shall comply with the VHAP limitation in Condition 3.B.2 by using compliant contact adhesives. The permittee shall keep a copy and make available upon request the MSDS for each contact adhesive used.

(Ref.: 40 CFR 63.804(c)(1); Subpart JJ)

- 5.B.7 For Emission Points AA-002 through AA-005 and AA-007, the permittee shall demonstrate compliance with the formaldehyde limitation in Condition 3.B.3 by using only coatings and contact adhesives that are low-formaldehyde products, maintaining a certified product data sheet for each substance used, and certifying compliance with the semi-annual report required in Condition 5.C.2.

(Ref.: 40 CFR 63.804(h)(3), Subpart JJ)

- 5.B.8 For Emission Point AA-006, the permittee shall assure compliance with the opacity limitations in Condition 3.A.1 by conducting weekly visible emissions observations for

a period of six consecutive minutes. If visible emissions are observed, the permittee shall perform a visible emission evaluation (VEE) using EPA Reference Method 9.

If conditions are such that an opacity reading cannot be taken using an observation or an EPA Reference Method 9, the permittee shall note these conditions in the record and provide an explanation of why it was not possible to perform the observation/EPA Reference Method 9.

The permittee shall maintain a summary report in accordance with Condition 5.A.3 and it shall be made available for review upon request from DEQ personnel.

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

- 5.B.9 For Emission Point AA-006, the permittee shall perform weekly inspections of the air pollution control equipment associated with the woodworking operations. Maintenance shall be performed as necessary to maintain proper operation of the pollution control equipment associated with the woodworking operations. Records of weekly inspections and any maintenance performed shall be kept in log form and must be made available for review upon request during any inspection by DEQ personnel.

The permittee shall maintain access to equipment as is necessary to repair and/or replace the pollution control equipment. In the event of a failure of the pollution control equipment, the permittee shall cease operations until such time as repairs are made and the proper efficiency of the pollution control equipment is restored.

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

**C. SPECIFIC REPORTING REQUIREMENTS**

<b>Emission Point(s)</b>	<b>Applicable Requirement</b>	<b>Condition Number</b>	<b>Pollutant / Parameter Monitored</b>	<b>Reporting Requirement</b>
AA-001 through AA-005 AA-007	40 CFR 63.807(c); Subpart JJ	5.C.1	VHAPs	Submit Notifications
	40 CFR 63.807(e); Subpart JJ	5.C.2		
	40 CFR 63.9(j); Subpart A	5.C.3	Operations	Submit Notifications
AA-006	11 Miss. Admin. Code Pt. 2, R. 6.3.A.(3)(a)(2)	5.C.4	VEEs	Submit Semi-Annual Reports

5.C.1 For Emission Points AA-001 through AA-005 and AA-007, the permittee shall submit a semi-annual report covering the previous six (6) months of wood furniture manufacturing operations in accordance with Condition 5.A.4.

The semi-annual report shall include the information required by 40 CFR 63.804(g)(1) – (3), (5), (7), and (8); Subpart JJ, a statement of whether the affected source was in compliance or non-compliance, and (if in non-compliance) the measures taken to bring the affected source into compliance.

The semi-annual report shall also contain a statement certifying that low-formaldehyde coatings have been used during the reporting period.

(Ref.: 40 CFR 63.807(c); Subpart JJ)

5.C.2 For Emission Points AA-001 through AA-005 and AA-007, the permittee shall submit the notification required in Condition 3.D.11(c) no later than thirty (30) calendar days after the end of the annual period in which a usage increase has occurred. This notification shall include one or more statements explaining the reason(s) for the usage increase.

(Ref.: 40 CFR 63.807(e); Subpart JJ)

5.C.3 For Emission Points AA-001 through AA-005 and AA-007, the permittee shall report to the MDEQ in writing on any change in the information previously provided in any notification as required by 40 CFR 63.9, Subpart A within fifteen (15) calendar days after the change.

(Ref.: 40 CFR 63.9(j); Subpart A)

5.C.4 For Emission Point AA-006, the permittee shall submit a summarized report of visible emissions observations of Condition 5.B.8 in accordance with Condition 5.A.4. The summary report shall include any exceedances within the reporting period, the nature of the problem that caused the exceedance, and the action taken to correct the exceedance.

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

**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 MDEQ shall provide a copy upon request from the permittee.

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

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

## APPENDIX A

### List of Abbreviations Used In this Permit

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
grains / dscf	Grains Per Dry Standard Cubic Foot
HP	Horsepower
HAP	Hazardous Air Pollutant
lb. / hour	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 Part 61, or National Emission Standards for Hazardous Air Pollutants for Source Categories, 40 CFR Part 63
NMVOC	Non-Methane Volatile Organic Compounds
NO <sub>x</sub>	Nitrogen Oxides
NSPS	New Source Performance Standards, 40 CFR Part 60
O&M	Operation and Maintenance
PM	Particulate Matter
PM <sub>10</sub>	Particulate Matter less than 10 µm in diameter
PM <sub>2.5</sub>	Particulate Matter less than 2.5 µm in diameter
ppm	Parts per Million
PSD	Prevention of Significant Deterioration
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur Dioxide
SSM	Start-up, Shutdown, and Malfunction
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant
VOHAP	Volatile Organic Hazardous Air Pollutant
VOC	Volatile Organic Compound

## **APPENDIX B**

**Table 3 to Subpart JJ**  
**Summary of Emission Limits**

Emission Point	Existing source	New source
Finishing Operations:		
(a) Achieve a weighted average VHAP content across all coatings (maximum kg VHAP/kg solids [lb VHAP/lb solids], as applied)	<sup>a</sup> 1.0	<sup>a</sup> 0.8
(b) Use compliant finishing materials (maximum kg VHAP/kg solids [lb VHAP/lb solids], as applied):		
—stains	<sup>a</sup> 1.0	<sup>a</sup> 1.0
—washcoats	<sup>a</sup> <sup>b</sup> 1.0	<sup>a</sup> <sup>b</sup> 0.8
—sealers	<sup>a</sup> 1.0	<sup>a</sup> 0.8
—topcoats	<sup>a</sup> 1.0	<sup>a</sup> 0.8
—basecoats	<sup>a</sup> <sup>b</sup> 1.0	<sup>a</sup> <sup>b</sup> 0.8
—enamels	<sup>a</sup> <sup>b</sup> 1.0	<sup>a</sup> <sup>b</sup> 0.8
—thinners (maximum percent VHAP allowable); or	10.0	10.0
(c) As an alternative, use control device; or	<sup>c</sup> 1.0	<sup>c</sup> 0.8
(d) Use any combination of (a), (b), and (c)	1.0	0.8
Cleaning Operations:		
Strippable spray booth material (maximum VOC content, kg VOC/kg solids [lb VOC/lb solids])	0.8	0.8
Contact Adhesives:		
(a) Use compliant contact adhesives (maximum kg VHAP/kg solids [lb VHAP/lb solids], as applied) based on following criteria:		
i. For aerosol adhesives, and for contact adhesives applied to nonporous substrates	<sup>d</sup> NA	<sup>d</sup> NA
ii. For foam adhesives used in products that meet flammability requirements	1.8	0.2
iii. For all other contact adhesives (including foam adhesives used in products that do not meet flammability requirements); or	1.0	0.2
(b) Use a control device	<sup>e</sup> 1.0	<sup>e</sup> 0.2
All Finishing Operations and Contact Adhesives:		
(a) Achieve total free formaldehyde emissions across all finishing operations and contact adhesives, lb per rolling 12 month period, as applied	400	400
(b) Use coatings and contact adhesives only if they are low-formaldehyde coatings and contact adhesives	<sup>f</sup> 1.0	<sup>f</sup> 1.0

<sup>a</sup> The limits refer to the VHAP content of the coating, as applied.

<sup>b</sup> Washcoats, basecoats, and enamels must comply with the limits presented in this table if they are purchased premade, that is, if they are not formulated onsite by thinning other finishing materials. If they are formulated onsite, they must be formulated using compliant finishing materials, i.e., those that meet the limits specified in this table, and thinners containing no more than 3.0 percent VHAP by weight.

<sup>c</sup> The control device must operate at an efficiency that is equivalent to no greater than 1.0 kilogram (or 0.8 kilogram) of VHAP being emitted from the affected emission source per kilogram of solids used.

<sup>d</sup> There is no limit on the VHAP content of these adhesives.

<sup>e</sup> The control device must operate at an efficiency that is equivalent to no greater than 1.0 kilogram (or 0.2 kilogram) of VHAP being emitted from the affected emission source per kilogram of solids used.

<sup>f</sup> The limits refer to the formaldehyde content by weight of the coating or contact adhesive, as specified on certified product data sheets.

**Table 4 to Subpart JJ**  
**Pollutants Excluded from Use in Cleaning and Wash-off Solvents**

Chemical Name	CAS No.
4-Aminobiphenyl	92671
Styrene oxide	96093
Diethyl sulfate	64675
N-Nitrosomorpholine	59892
Dimethyl formamide	68122
Hexamethylphosphoramide	680319
Acetamide	60355
4,4'-Methylenedianiline	101779
o-Anisidine	90040
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746016
Beryllium salts	
Benzidine	92875
N-Nitroso-N-methylurea	684935
Bis (chloromethyl) ether	542881
Dimethyl carbamoyl chloride	79447
Chromium compounds (hexavalent)	
1,2-Propylenimine (2-Methyl aziridine)	75558
Arsenic and inorganic arsenic compounds	99999904
Hydrazine	302012
1,1-Dimethyl hydrazine	57147
Beryllium compounds	7440417
1,2-Dibromo-3-chloropropane	96128
N-Nitrosodimethylamine	62759
Cadmium compounds	
Benzo (a) pyrene	50328
Polychlorinated biphenyls (Aroclors)	1336363
Heptachlor	76448
3,3'-Dimethyl benzidine	119937
Nickel subsulfide	12035722
Acrylamide	79061
Hexachlorobenzene	118741
Chlordane	57749
1,3-Propane sultone	1120714

Chemical Name	CAS No.
1,3-Butadiene	106990
Nickel refinery dust	
2-Acetylaminoflourine	53963
3,3'-Dichlorobenzidine	53963
Lindane (hexachlorcyclohexane, gamma)	58899
2,4-Toluene diamine	95807
Dichloroethyl ether (Bis(2-chloroethyl) ether)	111444
1,2-Diphenylhydrazine	122667
Toxaphene (chlorinated camphene)	8001352
2,4-Dinitrotoluene	121142
3,3'-Dimethoxybenzidine	119904
Formaldehyde	50000
4,4'-Methylene bis (2-chloroaniline)	101144
Acrylonitrile	107131
Ethylene dibromide (1,2-Dibromoethane)	106934
DDE (1,1-p-chlorophenyl 1-2 dichloroethylene)	72559
Chlorobenzilate	510156
Dichlorvos	62737
Vinyl chloride	75014
Coke Oven Emissions	
Ethylene oxide	75218
Ethylene thiourea	96457
Vinyl bromide (bromoethene)	593602
Selenium sulfide (mono and di)	7488564
Chloroform	67663
Pentachlorophenol	87865
Ethyl carbamate (Urethane)	51796
Ethylene dichloride (1,2-Dichloroethane)	107062
Propylene dichloride (1,2-Dichloropropane)	78875
Carbon tetrachloride	56235
Benzene	71432
Methyl hydrazine	60344
Ethyl acrylate	140885
Propylene oxide	75569
Aniline	62533

<b>Chemical Name</b>	<b>CAS No.</b>
1,4-Dichlorobenzene(p)	106467
2,4,6-Trichlorophenol	88062
Bis (2-ethylhexyl) phthalate (DEHP)	117817
o-Toluidine	95534
Propoxur	114261
1,4-Dioxane (1,4-Diethyleneoxide)	123911
Acetaldehyde	75070
Bromoform	75252
Captan	133062
Epichlorohydrin	106898
Methylene chloride (Dichloromethane)	75092
Dibenz (ah) anthracene	53703
Chrysene	218019
Dimethyl aminoazobenzene	60117
Benzo (a) anthracene	56553
Benzo (b) fluoranthene	205992
Antimony trioxide	1309644
2-Nitropropane	79469
1,3-Dichloropropene	542756
7, 12-Dimethylbenz(a) anthracene	57976
Benz(c) acridine	225514
Indeno(1,2,3-cd)pyrene	193395
1,2:7,8-Dibenzopyrene	189559



**Table 5 to Subpart JJ**  
**List of VHAPs of Potential Concern Identified by Industry**

<b>CAS No.</b>	<b>Chemical Name</b>	<b>EPA de minimis, tons/yr</b>
68122	Dimethyl formamide	1.0
50000	Formaldehyde	0.2
75092	Methylene chloride	4.0
79469	2-Nitropropane	1.0
78591	Isophorone	0.7
1000425	Styrene monomer	1.0
108952	Phenol	0.1
111422	Dimethanolamine	5.0
109864	2-Methoxyethanol	10.0
111159	2-Ethoxyethyl acetate	10.0

**Table 6 to Subpart JJ**  
**VHAPs of Potential Concern**

CAS No.	Chemical Name	EPA de minimis, tons/yr*
92671	4-Aminobiphenyl	1.0
96093	Styrene oxide	1.0
64675	Diethyl sulfate	1.0
59892	N-Nitrosomorpholine	1.0
68122	Dimethyl formamide	1.0
680319	Hexamethylphosphoramide	0.01
60355	Acetamide	1.0
101779	4,4'-Methylenedianiline	1.0
90040	o-Anisidine	1.0
1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.00000006
92875	Benzidine	0.00003
684935	N-Nitroso-N-methylurea	0.00002
542881	Bis(chloromethyl) ether	0.00003
79447	Dimethyl carbamoyl chloride	0.002
75558	1,2-Propylenimine (2-Methyl aziridine)	0.0003
57147	1,1-Dimethyl hydrazine	0.0008
96128	1,2-Dibromo-3-chloropropane	0.001
62759	N-Nitrosodimethylamine	0.0001
50328	Benzo (a) pyrene	0.001
1336363	Polychlorinated biphenyls (Aroclors)	0.0009
76448	Heptachlor	0.002
119937	3,3'-Dimethyl benzidine	0.001
79061	Acrylamide	0.002
118741	Hexachlorobenzene	0.004
57749	Chlordane	0.005
1120714	1,3-Propane sultone	0.003
106990	1,3-Butadiene	0.007
53963	2-Acetylaminoflourine	0.0005
91941	3,3'-Dichlorobenzidine	0.02
58899	Lindane (hexachlorocyclohexane, gamma)	0.005
95807	2,4-Toluene diamine	0.002
111444	Dichloroethyl ether (Bis(2-chloroethyl)ether)	0.006

CAS No.	Chemical Name	EPA de minimis, tons/yr*
122667	1,2—Diphenylhydrazine	0.009
8001352	Toxaphene (chlorinated camphene)	0.006
121142	2,4-Dinitrotoluene	0.002
119904	3,3'-Dimethoxybenzidine	0.01
50000	Formaldehyde	0.2
101144	4,4'-Methylene bis(2-chloroaniline)	0.02
107131	Acrylonitrile	0.03
106934	Ethylene dibromide(1,2-Dibromoethane)	0.01
72559	DDE (1,1-p-chlorophenyl 1-2 dichloroethylene)	0.01
510156	Chlorobenzilate	0.04
62737	Dichlorvos	0.02
75014	Vinyl chloride	0.02
75218	Ethylene oxide	0.09
96457	Ethylene thiourea	0.06
593602	Vinyl bromide (bromoethene)	0.06
67663	Chloroform	0.09
87865	Pentachlorophenol	0.07
51796	Ethyl carbamate (Urethane)	0.08
107062	Ethylene dichloride (1,2-Dichloroethane)	0.08
78875	Propylene dichloride (1,2-Dichloropropane)	0.1
56235	Carbon tetrachloride	0.1
71432	Benzene	0.2
140885	Ethyl acrylate	0.1
75569	Propylene oxide	0.5
62533	Aniline	0.1
106467	1,4-Dichlorobenzene(p)	0.3
88062	2,4,6-Trichlorophenol	0.6
117817	Bis (2-ethylhexyl) phthalate (DEHP)	0.5
95534	o-Toluidine	0.4
114261	Propoxur	2.0
79016	Trichloroethylene	1.0
123911	1,4-Dioxane (1,4-Diethyleneoxide)	0.6
75070	Acetaldehyde	0.9
75252	Bromoform	2.0

CAS No.	Chemical Name	EPA de minimis, tons/yr*
133062	Captan	2.0
106898	Epichlorohydrin	2.0
75092	Methylene chloride (Dichloromethane)	4.0
127184	Tetrachloroethylene (Perchloroethylene)	4.0
53703	Dibenz (ah) anthracene	0.01
218019	Chrysene	0.01
60117	Dimethyl aminoazobenzene	1.0
56553	Benzo (a) anthracene	0.01
205992	Benzo (b) fluoranthene	0.01
79469	2-Nitropropane	1.0
542756	1,3-Dichloropropene	1.0
57976	7,12-Dimethylbenz (a) anthracene	0.01
225514	Benz(c)acridine	0.01
193395	Indeno(1,2,3-cd)pyrene	0.01
189559	1,2:7,8-Dibenzopyrene	0.01
79345	1,1,2,2-Tetrachloroethane	0.03
91225	Quinoline	0.0006
75354	Vinylidene chloride (1,1-Dichloroethylene)	0.04
87683	Hexachlorobutadiene	0.09
82688	Pentachloronitrobenzene (Quintobenzene)	0.03
78591	Isophorone	0.7
79005	1,1,2-Trichloroethane	0.1
74873	Methyl chloride (Chloromethane)	1.0
67721	Hexachloroethane	0.5
1582098	Trifluralin	0.9
1319773	Cresols/Cresylic acid (isomers and mixture)	1.0
108394	m-Cresol	1.0
75343	Ethylidene dichloride (1,1-Dichloroethane)	1.0
95487	o-Cresol	1.0
106445	p-Cresol	1.0
74884	Methyl iodide (Iodomethane)	1.0
100425	Styrene	1.0
107051	Allyl chloride	1.0
334883	Diazomethane	1.0

CAS No.	Chemical Name	EPA de minimis, tons/yr*
95954	2,4,5—Trichlorophenol	1.0
133904	Chloramben	1.0
106887	1,2—Epoxybutane	1.0
108054	Vinyl acetate	1.0
126998	Chloroprene	1.0
123319	Hydroquinone	1.0
92933	4-Nitrobiphenyl	1.0
56382	Parathion	0.1
13463393	Nickel Carbonyl	0.1
60344	Methyl hydrazine	0.006
151564	Ethylene imine	0.0003
77781	Dimethyl sulfate	0.1
107302	Chloromethyl methyl ether	0.1
57578	beta-Propiolactone	0.1
100447	Benzyl chloride	0.04
98077	Benzotrichloride	0.0006
107028	Acrolein	0.04
584849	2,4—Toluene diisocyanate	0.1
75741	Tetramethyl lead	0.01
78002	Tetraethyl lead	0.01
12108133	Methylcyclopentadienyl manganese	0.1
624839	Methyl isocyanate	0.1
77474	Hexachlorocyclopentadiene	0.1
62207765	Fluomine	0.1
10210681	Cobalt carbonyl	0.1
79118	Chloroacetic acid	0.1
534521	4,6-Dinitro-o-cresol, and salts	0.1
101688	Methylene diphenyl diisocyanate	0.1
108952	Phenol	0.1
62384	Mercury, (acetato-o) phenyl	0.01
98862	Acetophenone	1.0
108316	Maleic anhydride	1.0
532274	2-Chloroacetophenone	0.06
51285	2,4-Dinitrophenol	1.0

CAS No.	Chemical Name	EPA de minimis, tons/yr*
109864	2-Methoxy ethanol	10.0
98953	Nitrobenzene	1.0
74839	Methyl bromide (Bromomethane)	10.0
75150	Carbon disulfide	1.0
121697	N,N-Dimethylaniline	1.0
106514	Quinone	5.0
123386	Propionaldehyde	5.0
120809	Catechol	5.0
85449	Phthalic anhydride	5.0
463581	Carbonyl sulfide	5.0
132649	Dibenzofurans	5.0
100027	4-Nitrophenol	5.0
540841	2,2,4-Trimethylpentane	5.0
111422	Diethanolamine	5.0
822060	Hexamethylene-1,6-diisocyanate	5.0
	Glycol ethers <sup>a</sup>	5.0
	Polycyclic organic matter <sup>b</sup>	0.01

\*These values are based on the de minimis levels provided in the proposed rulemaking pursuant to section 112(g) of the Act using a 70-year lifetime exposure duration for all VHAPs. Default assumptions and the de minimis values based on inhalation reference doses (RfC) are not changed by this adjustment.

<sup>a</sup> Except for ethylene glycol butyl ether, ethylene glycol ethyl ether (2-ethoxy ethanol), ethylene glycol hexyl ether, ethylene glycol methyl ether (2-methoxyethanol), ethylene glycol phenyl ether, ethylene glycol propyl ether, ethylene glycol mono-2-ethylhexyl ether, diethylene glycol butyl ether, diethylene glycol ethyl ether, diethylene glycol methyl ether, diethylene glycol hexyl ether, diethylene glycol phenyl ether, diethylene glycol propyl ether, triethylene glycol butyl ether, triethylene glycol ethyl ether, triethylene glycol methyl ether, triethylene glycol propyl ether, ethylene glycol butyl ether acetate, ethylene glycol ethyl ether acetate, and diethylene glycol ethyl ether acetate.

<sup>b</sup> Except for benzo(b)fluoranthene, benzo(a)anthracene, benzo(a)pyrene, 7,12-dimethylbenz(a)anthracene, benz(c)acridine, chrysene, dibenz(ah) anthracene, 1,2:7,8-dibenzopyrene, indeno(1,2,3-cd)pyrene, but including dioxins and furans.