



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

100 N. Senate Avenue • Indianapolis, IN 46204  
(800) 451-6027 • (317) 232-8603 • [www.idem.IN.gov](http://www.idem.IN.gov)

**Eric J. Holcomb**  
*Governor*

**Bruno L. Pigott**  
*Commissioner*

## NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a  
Significant Revision to a  
Federally Enforceable State Operating Permit (FESOP)

for Deister Machine Company, Inc. in Allen County

Significant Permit Revision No.: 003-43039-00235

The Indiana Department of Environmental Management (IDEM) has received an application from Deister Machine Company, Inc., located at 1933 East Wayne Street, Fort Wayne, IN 46803, for a significant revision of its FESOP issued on July 10, 2017. If approved by IDEM's Office of Air Quality (OAQ), this proposed revision would allow Deister Machine Company, Inc. to make certain changes at its existing source. Deister Machine Company, Inc. has applied to construct a new paint booth and revise the FESOP limit. The new emission unit will be added under the existing paint booth units and Glue and Hardener Hand Roller Application Area VOC FESOP limit.

The applicant intends to construct and operate new equipment that will emit air pollutants; therefore, the permit contains new or different permit conditions. In addition, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). The potential to emit regulated air pollutants will continue to be limited to less than the Title V and PSD major threshold levels. IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow the applicant to make this change.

A copy of the permit application and IDEM's preliminary findings have been sent to:

Allen County Public Library  
900 Library Plaza  
Ft. Wayne, IN 46802

A copy of the preliminary findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

A copy of the application and preliminary findings is also available via IDEM's Virtual File Cabinet (VFC). To access VFC, please go to: <http://www.in.gov/idem/> and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.

### How can you participate in this process?

The date that this notice is posted on IDEM's website (<https://www.in.gov/idem/5474.htm>) marks the beginning of a 30-day public comment period. If the 30<sup>th</sup> day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing,

you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number SPR003-43039-00235 in all correspondence.

**Comments should be sent to:**

Paul Jump  
IDEM, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
(800) 451-6027, ask for Paul Jump or (317) 234-6555  
Or dial directly: (317) 234-6555  
Fax: (317) 232-6749 attn: Paul Jump  
E-mail: [pjump@idem.IN.gov](mailto:pjump@idem.IN.gov)

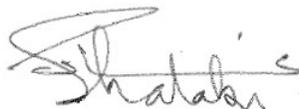
All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <http://www.in.gov/idem/airquality/2356.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**What will happen after IDEM makes a decision?**

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above and will also be sent to the local library indicated above and the IDEM public file room on the 12<sup>th</sup> floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact Paul Jump or my staff at the above address.



Ghassan Shalabi, Section Chief  
Permits Branch  
Office of Air Quality



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**Eric J. Holcomb**  
Governor

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**Bruno L. Pigott**  
Commissioner

Vonnie Berry  
Deister Machine Company, Inc.  
1933 East Wayne Street  
Fort Wayne, Indiana 46803

Re: 003-43039-00235  
Significant Revision to  
F003-37765-00235

Dear Vonnie Berry:

Deister Machine Company, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F003-37765-00235, on July 10, 2017, for a stationary vibrating screen manufacturing plant located at 1933 East Wayne Street, Fort Wayne, Indiana 46803. On July 6, 2020, the Office of Air Quality (OAQ) received an application from the source requesting to construct a new paint booth and revise the FESOP limit. Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a Significant Permit Revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

Pursuant to 326 IAC 2-8-11.1, the following emission unit is approved for construction at the source:

- (a) One (1) small parts aerosol paint booth, identified as AB-1, approved in 2020 for construction, with a maximum capacity of 1.0 unit per hour, using particulate dry and carbon filters as control, and exhausting indoors.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the Significant Permit Revision into the permit.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire FESOP as revised.

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. A copy of the application and permit is also available via IDEM's Virtual File Cabinet (VFC). To access VFC, please go to: <http://www.in.gov/idem/> and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <http://www.in.gov/idem/airquality/2356.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

Deister Machine Company, Inc.  
Fort Wayne, Indiana  
Permit Reviewer: Paul Jump

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FESOP SPR No. 003-43039-00235

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If you have any questions regarding this matter, please contact Paul Jump, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-6555 or (800) 451-6027, and ask for Paul Jump or (317) 234-6555.

Sincerely,

Ghassan Shalabi, Section Chief  
Permits Branch  
Office of Air Quality

Attachments: Revised permit and Technical Support Document.

cc: File - Allen County  
Allen County Health Department  
U.S. EPA, Region 5  
Compliance and Enforcement Branch



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# Federally Enforceable State Operating Permit Renewal OFFICE OF AIR QUALITY

**Deister Machine Company, Inc.  
1933 East Wayne Street  
Fort Wayne, Indiana 46803**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

**The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. It shall not be a defense for the 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. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.**

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

Operation Permit No.: F003-37765-00235	
Master Agency Interest ID: 602	
Original Signed/Issued by: Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: July 10, 2017  Expiration Date: July 10, 2027
Administrative Amendment No.: F003 39178 00235, issued on November 20, 2017	
Significant Permit Revision No.: F003-43039-00235	
Issued by:  Ghassan Shalabi, Section Chief Permits Branch Office of Air Quality	Issuance Date:  Expiration Date: July 10, 2027

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## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-8-3(b)]

---

The Permittee owns and operates a stationary a vibrating screen manufacturing plant.

Source Address:	1933 East Wayne Street, Fort Wayne, Indiana 46803
General Source Phone Number:	260-426-7495
SIC Code:	3532
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

---

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) Spray Booth, identified as Unit #1, with a maximum capacity of 0.25 units per hour, constructed in 2000, consisting of seven (7) HVLP spray guns, equipped with dry filters for particulate control, and exhausting to Stacks 1A and 1B;
- (b) One (1) Spray Booth, identified as unit #2, with a maximum capacity of 0.25 steel vibrating screens per hour, constructed in 2006, consisting of seven (7) low Pressure Air Automation spray guns, equipped with dry filters for particulate control, and exhausting to stacks 2A and 2B;
- (c) One (1) Glue And Hardener Hand Roller Application Area, identified as Unit #3, with a maximum capacity of 1.0 units per hour, constructed in 1972, having no controls, and exhausting indoors;
- (d) One (1) Spray Booth, identified as Unit #4, with a maximum capacity of 0.67 units per hour, constructed in 1998, consisting of seven (7) HVLP spray guns, equipped with dry filters for particulate control, and exhausting to Stack 4;
- (e) One (1) Spray Booth, identified as Unit #6, with a maximum capacity of 0.67 units per hour, consisting of seven (7) HVLP spray guns, equipped with dry filters for particulate control, constructed in 1982, and exhausting to Stacks 6A and 6B;
- (f) One (1) Spray Booth, identified as Unit #7, with a maximum capacity: 0.67 units per hour, constructed in 1999, consisting of seven (7) HVLP spray guns, equipped with dry filters for particulate control, exhausting to Stacks 7A and 7B, capacity;

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(g) Fifty-nine (59) natural gas-fired combustion units, consisting of the following:

<b>Emissions Unit ID</b>	<b>Maximum Heat Input Capacity (MMBtu/hr)</b>
Bay 6-7-1	0.175
Bay 6-7-2	0.175
Bay 6-7-3	0.175
Bay 6-7-4	0.175
Bay 6-7-5	0.175
Bay 6-7-6	0.175
Bay 4-1	0.175
Bay 4-2	0.175
Bay 4-3	6.8
Mach Shp -1	0.4
Mach Shp -2	0.4
Mach Shp -3	0.4
Mach Shp -4	0.1
Mach Shp -5	0.1
Mach Shp -6	0.1
Mach Shp -7	0.1
Mach Shp -8	0.25
New Office Wing -1	0.1065
New Office Wing -2	0.1065
New Office Wing -3	0.06
Wayne Roof units - 1	0.135
Wayne Roof units -2	0.135
Wayne Roof Units - 3	0.165
Wayne Roof Units - 4	0.165
Glasgow Brick -1	0.165
Glasgow Brick -2	0.165
Glasgow Brick -3	0.165
Glasgow Brick -4	0.165
Glasgow Brick -5	0.25
Glasgow Brick -6	0.25
Glasgow Brick -7	0.25
Glasgow Brick -8	0.15
Glasgow Brick -9	0.15
Glasgow Brick -10	0.12
Glasgow Brick -11	0.12
Glasgow Brick -12	0.105
Glasgow Mach Shop -1	0.4
Glasgow Mach Shop -2	0.4

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<b>Emissions Unit ID</b>	<b>Maximum Heat Input Capacity (MMBtu/hr)</b>
Glasgow Mach Shop -3	0.175
Glasgow Mach Shop -4	0.175
Glasgow Mach Shop -5	0.175
Glasgow Mach Shop -6	0.175
1718 Berry -1	0.165
1710 Berry -1	0.4
1710 Berry -2	0.4
1604 Berry -1	0.4
1604 Berry -2	0.4
Pontiac North-1	0.4
Pontiac North-2	0.4
Pontiac North-3	0.4
Pontiac North-4	0.4
Pontiac North-5	0.4
Pontiac North-6	0.4
Pontiac North-7	0.7
Pontiac South-1	4
Pontiac South-2	0.4
Pontiac South-3	0.4
Pontiac South-4	0.18
Pontiac South-5	0.18

- (h) One (1) Small Parts Aerosol Paint Booth, identified as AB-1, approved in 2020 for construction, with a maximum capacity of 1.0 unit per hour, using particulate dry and carbon filters as control, and exhausting indoors.

**A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]**

This stationary source also includes the following insignificant activities:

- (a) Welding operations, with a maximum process weight of 0.59 tons per hour, and consisting of:
  - (1) Forty-nine (49) metal inert gas (MIG) welders;
  - (2) Seven (7) stick welders;
  - (3) One (1) tungsten inert gas (TIG) welder;
  - (4) Thirty-five (35) Oxy-Propane metal cutting/burning operations;
  - (5) One (1) Burn Table, P-1; and
  - (6) One (1) Plasma Cutting Operation.

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- (b) Woodworking equipment controlled by a bag house with grain loading of less than or equal to 0.01 grains per dry standard cubic foot and flow rate less than or equal to 200 standard cubic feet per minute.
- (c) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs;
- (d) Metal Fabrication Activities including metal forming, sizing, machining, grinding and drilling;
- (e) Touch-Up Spray Painting Operation; and
- (f) Two (2) Burn Tables, P-2 and P-3.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

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## **SECTION B GENERAL CONDITIONS**

### **B.1 Definitions [326 IAC 2-8-1]**

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

### **B.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]**

- (a) This permit, F003-37765-00235, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

### **B.3 Term of Conditions [326 IAC 2-1.1-9.5]**

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

### **B.4 Enforceability [326 IAC 2-8-6] [IC 13-17-12]**

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

### **B.5 Severability [326 IAC 2-8-4(4)]**

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

### **B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]**

This permit does not convey any property rights of any sort or any exclusive privilege.

### **B.7 Duty to Provide Information [326 IAC 2-8-4(5)(E)]**

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of

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requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:
- (1) it contains a certification by an "authorized individual", as defined by 326 IAC 2-1.1-1(1), and
  - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:
- Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
  - (2) The compliance status;
  - (3) Whether compliance was continuous or intermittent;
  - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and

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- (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)]

(a) A Preventive Maintenance Plan (PMP) meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain PMPs no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue

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MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.12 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
  - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
  - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,  
Compliance and Enforcement Branch), or  
Telephone Number: 317-233-0178 (ask for Office of Air Quality,

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Compliance and Enforcement Branch)

Facsimile Number: 317-233-6865

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

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- (g) Operations may continue during an emergency only if the following conditions are met:
- (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
  - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
    - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
    - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

**B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) All terms and conditions of permits established prior to F003-37765-00235 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

**B.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]**

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

**B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]**

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
  - (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
  - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.16 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
  - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
  - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

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- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-8-3(g), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.18 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) and (c) without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b)(1) and (c). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(1) and (c).

- (b) Emission Trades [326 IAC 2-8-15(b)]  
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(b).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(c)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.19 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

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- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:  
  
Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

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B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-8590 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.23 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

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**SECTION C**

**SOURCE OPERATION CONDITIONS**

Entire Source

**Emission Limitations and Standards [326 IAC 2-8-4(1)]**

**C.1 Particulate Emission Limitations for Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]**

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

**C.2 Overall Source Limit [326 IAC 2-8]**

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

**C.3 Opacity [326 IAC 5-1]**

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

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- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
  - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
  - (2) If there is a change in the following:
    - (A) Asbestos removal or demolition start date;
    - (B) Removal or demolition contractor; or
    - (C) Waste disposal site.

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- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(c).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(d).

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

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### Testing Requirements [326 IAC 2-8-4(3)]

#### C.8 Performance Testing [326 IAC 3-6]

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- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

### Compliance Requirements [326 IAC 2-1.1-11]

#### C.9 Compliance Requirements [326 IAC 2-1.1-11]

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The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

### Compliance Monitoring Requirements [326 IAC 2-8-4(1)][326 IAC 2-8-5(a)(1)]

#### C.10 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

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- (a) For new units:  
Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.
- (b) For existing units:  
Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]**

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- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

**Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]**

**C.12 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]**

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If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

**C.13 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]**

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Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system);  
or

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- (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records; and/or
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (c) The Permittee shall record the reasonable response steps taken.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]**

C.15 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following, where applicable:
  - (AA) All calibration and maintenance records.
  - (BB) All original strip chart recordings for continuous monitoring instrumentation.
  - (CC) Copies of all reports required by the FESOP.

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Records of required monitoring information include the following, where applicable:

- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
- (BB) The dates analyses were performed.
- (CC) The company or entity that performed the analyses.
- (DD) The analytical techniques or methods used.
- (EE) The results of such analyses.
- (FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.16 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or

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before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

### **Stratospheric Ozone Protection**

#### **C.17 Compliance with 40 CFR 82 and 326 IAC 22-1**

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Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

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**SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

- (a) One (1) Spray Booth, identified as Unit #1, with a maximum capacity of 0.25 units per hour, constructed in 2000, consisting of seven (7) HVLP spray guns, equipped with dry filters for overspray control, and exhausting to Stacks 1A and 1B;
- (b) One (1) Spray Booth, identified as unit #2, with a maximum capacity of 0.25 steel vibrating screens per hour, constructed in 2006, consisting of seven (7) low Pressure Air Automation spray guns, equipped with dry filters for overspray control, and exhausting to stacks 2A and 2B;
- (c) One (1) Glue and Hardener Hand Roller Application Area, identified as Unit #3, with a maximum capacity of 1.0 units per hour, constructed in 1972, having no controls, and exhausting indoors;
- (d) One (1) Spray Booth, identified as Unit #4, with a maximum capacity of 0.67 units per hour, constructed in 1998, consisting of seven (7) HVLP spray guns, equipped with dry filters for overspray control, and exhausting to Stack 4;
- (e) One (1) Spray Booth, identified as Unit #6, with a maximum capacity of 0.67 units per hour, consisting of seven (7) HVLP spray guns, equipped with dry filters for overspray control, constructed in 1982, and exhausting to Stacks 6A and 6B;
- (f) One (1) Spray Booth, identified as Unit #7, with a maximum capacity: 0.67 units per hour, constructed in 1999, consisting of seven (7) HVLP spray guns, equipped with dry filters for overspray control, exhausting to Stacks 7A and 7B, capacity;
- (h) One (1) Small Parts Aerosol Paint Booth, identified as AB-1, approved in 2020 for construction, with a maximum capacity of 1.0 unit per hour, using particulate dry and carbon filters as control, and exhausting indoors.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

**Emission Limitations and Standards [326 IAC 2-8-4(1)]**

**D.1.1 FESOP Limits [326 IAC 2-8]**

In order to render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable, the Permittee shall comply with the following limits:

- (a) The Combined VOC Input, including primer, base coats, glues, and cleaning solvents, to the Spray Paint Booths, identified as Unit #1, Unit #2, Unit #4, Unit #6, and Unit #7, AB-1, and the Glue and Hardener Hand Roller Application Area, identified as Unit #3, shall not exceed 94.0 tons per twelve (12) month period, with compliance determined at the end of each month.
- (b) The Single HAP Xylene Input to the Spray Paint Booths, identified as Unit #1, Unit #2, Unit #4, Unit #6, Unit #7, and AB-1, shall not exceed 9.0 tons per twelve (12) month period, with compliance determined at the end of each month.

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Compliance with the VOC Input Limit, combined with the potential to emit VOC from all other emission units at this source, shall limit the source-wide total potential to emit of VOC to less than one hundred (100) tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable.

Compliance with the Single HAP Xylene Input Limit, combined with potential Xylene emissions from all other emission units at this source, shall limit the source-wide potential emissions of Xylene to less than ten (10) tons per twelve (12) consecutive month period and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable.

D.1.2 Particulate (PM) Emissions [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the Spray Paint Booths, identified as Unit #1, Unit #2, Unit #4, Unit #6, and Unit #7, shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.3 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

- (a) Pursuant to 326 IAC 8-2-9(c)(1), the Permittee shall not allow the discharge into the atmosphere VOC in excess three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator.
- (b) Pursuant to 326 IAC 8-2-9(f), work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials. Work practices shall include, but not be limited to, the following:
- (1) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
  - (2) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.
  - (3) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
  - (4) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one location to another in closed containers or pipes.
  - (5) Minimize VOC emissions from the cleaning of application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.
- (c) In order to render the requirements of 326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations) not applicable, the VOC input to the paint booth, identified as AB-1, shall be less than fifteen (15) pounds per day of VOC, including coatings, dilution solvents, and cleaning solvents. Compliance with this limit shall render the requirements of 326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations) not applicable.

D.1.4 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

In order to render the requirements of 326 IAC 8-1-6 not applicable, the Permittee shall comply with the following limits:

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The VOC Input to the Glue and Hardener Hand Roller Application Area, identified as Unit #3, shall not exceed 24.9 tons per twelve (12) month period, with compliance determined at the end of each month.

Compliance with the VOC Input Limit shall limit the potential to emit of Unit #3 to less than twenty-five (25) tons per year and shall render the requirements of 326 IAC 8-1-6 not applicable to Unit #3.

**D.1.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]**

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A Preventive Maintenance Plan is required for these facilities and its control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

**Compliance Determination Requirements [326 IAC 2-8-4(1)]**

**D.1.6 Particulate Control [326 IAC 6-3]**

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In order to assure the compliance with Condition D.1.2, the Dry Filters for particulate control shall be in operation and control emissions from the spray booths, identified as Unit #1, Unit #2, Unit #4, Unit #6, and Unit #7, at all times the spray booths, identified as Unit #1, Unit #2, Unit #4, Unit #6, and Unit #7, are in operation.

**D.1.7 Volatile Organic Compounds (VOC) [326 IAC 8-1-2] [326 IAC 8-1-4]**

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Compliance with the VOC content and usage limitations contained in Condition D.1.3 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

**Compliance Monitoring Requirements [326 IAC 2-8-4(1)][326 IAC 2-8-5(a)(1)]**

**D.1.8 Monitoring [326 IAC 2-8-5]**

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- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the Stack exhausts 1A, 1B, 2A, 2B, 4, 6A, 6B, 7A and 7B, while the paint booths are in operation. If a condition exists which should result in a response, the Permittee shall take a reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response required by this condition. Failure to take a reasonable response shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take a reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response required by this condition. Failure to take a reasonable response shall be considered a deviation from this permit.

**Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]**

**D.1.9 Record Keeping Requirement**

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- (a) To document the compliance status with Conditions D.1.1(a), D.1.1(b), D.1.3(a), and D.1.4, the permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (7) shall be taken monthly and shall be complete and

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sufficient to establish compliance with the VOC content and usage limits and the single HAP emission limits established in Conditions D.1.1(a), D.1.1(b), D.1.3(a), and D.1.4.

- (1) The amount of VOC, less water, in each coating material and solvent used;
  - (2) The amount of Xylene, in each coating material and solvent used;
  - (3) The amount of coating material and solvent used on a monthly basis.
    - (A) Records shall include purchase orders, invoices, and safety data sheets (SDS) necessary to verify the type and amount used.
    - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
  - (4) The cleanup solvent usage for each month; and
  - (5) The total VOC and Xylene usage for each month and each compliance period.
- (b) To document the compliance status with Condition D.1.3(c), the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC usage limits established in Condition D.1.3(c).
- (1) The VOC content of each coating material and solvent used.
  - (2) The amount of each coating material and solvent used on a daily basis.
    - (A) Records shall include purchase orders, invoices, and safety data sheets (SDS) necessary to verify the type and amount used.
  - (3) The total VOC input to paint booth AB-1, including coating, dilution solvents, and cleaning solvents, for each day.
- (c) To document the compliance status with Condition D.1.8, the Permittee shall maintain a log of weekly overspray observations and daily and monthly inspections.
- (d) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

#### D.1.10 Reporting Requirements

A quarterly report of VOC and Single HAP usage and a quarterly summary of the information to document the compliance status with D.1.1(a), D.1.1(b), D.1.3(a), D.1.3(c), and D.1.4 shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.

The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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**SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

(g) Fifty-nine (59) natural gas-fired combustion units, consisting of the following:

<b>Emissions Unit ID</b>	<b>Maximum Heat Input Capacity (MMBtu/hr)</b>
Bay 6-7-1	0.175
Bay 6-7-2	0.175
Bay 6-7-3	0.175
Bay 6-7-4	0.175
Bay 6-7-5	0.175
Bay 6-7-6	0.175
Bay 4-1	0.175
Bay 4-2	0.175
Bay 4-3	6.8
Mach Shp -1	0.4
Mach Shp -2	0.4
Mach Shp -3	0.4
Mach Shp -4	0.1
Mach Shp -5	0.1
Mach Shp -6	0.1
Mach Shp -7	0.1
Mach Shp -8	0.25
New Office Wing -1	0.1065
New Office Wing -2	0.1065
New Office Wing -3	0.06
Wayne Roof units - 1	0.135
Wayne Roof units -2	0.135
Wayne Roof Units - 3	0.165
Wayne Roof Units - 4	0.165
Glasgow Brick -1	0.165
Glasgow Brick -2	0.165
Glasgow Brick -3	0.165
Glasgow Brick -4	0.165
Glasgow Brick -5	0.25
Glasgow Brick -6	0.25
Glasgow Brick -7	0.25
Glasgow Brick -8	0.15
Glasgow Brick -9	0.15

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Glasgow Brick -10	0.12
Glasgow Brick -11	0.12
Glasgow Brick -12	0.105
Glasgow Mach Shop -1	0.4
Glasgow Mach Shop -2	0.4
Glasgow Mach Shop -3	0.175
Glasgow Mach Shop -4	0.175
Glasgow Mach Shop -5	0.175
Glasgow Mach Shop -6	0.175
1718 Berry -1	0.165
1710 Berry -1	0.4
1711 Berry -2	0.4
1604 Berry -1	0.4
1605 Berry -2	0.4
Pontiac North-1	0.4
Pontiac North-2	0.4
Pontiac North-3	0.4
Pontiac North-4	0.4
Pontiac North-5	0.4
Pontiac North-6	0.4
Pontiac North-7	0.7
Pontiac South-1	4
Pontiac South-2	0.4
Pontiac South-3	0.4
Pontiac South-4	0.18
Pontiac South-5	0.18

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

**Emission Limitations and Standards [326 IAC 2-8-4(1)]**

**D.2.1 Particulate (PM) Emissions [326 IAC 6-2-4]**

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), the PM emissions shall be limited to 0.47 pounds per MMBtu heat input.

**D.2.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]**

A Preventative Maintenance Plan is required for these facilities. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

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**SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

- (a) Welding operations, with a maximum process weight of 0.59 tons per hour, and consisting of:
  - (1) Forty-nine (49) metal inert gas (MIG) welders;
  - (2) Seven (7) stick welders;
  - (3) One (1) tungsten inert gas (TIG) welder;
  - (4) Thirty-five (35) Oxy-Propane metal cutting/burning operations;
  - (5) One (1) Burn Table, P-1; and
  - (6) One (1) Plasma Cutting Operation.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

**Emission Limitations and Standards [326 IAC 2-8-4(1)]**

**D.3.1 Particulate (PM) Emissions [326 IAC 6-3-2]**

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the welding facility shall not exceed 2.86 pounds per hour when operating at a process weight rate of 0.59 tons per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

Where E = rate of emission in pounds per hour; and  
P = process weight rate in tons per hour

**D.3.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]**

A Preventative Maintenance Plan is required for these facilities. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
CERTIFICATION**

Source Name: Deister Machine Company, Inc.  
Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803  
FESOP Permit No.: F003-37765-00235

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.**

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify) \_\_\_\_\_
- Report (specify) \_\_\_\_\_
- Notification (specify) \_\_\_\_\_
- Affidavit (specify) \_\_\_\_\_
- Other (specify) \_\_\_\_\_

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
Phone: (317) 233-0178  
Fax: (317) 233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
EMERGENCY OCCURRENCE REPORT**

Source Name: Deister Machine Company, Inc.  
Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803  
FESOP Permit No.: F003-37765-00235

**This form consists of 2 pages**

**Page 1 of 2**

<input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none"><li>• The Permittee must notify the Office of Air Quality (OAQ), within four (4) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and</li><li>• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-8-12</li></ul>
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If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

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If any of the following are not applicable, mark N/A

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FESOP Quarterly Report**

Source Name: Deister Machine Company, Inc.  
Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803  
FESOP Permit No.: F003-37765-00235  
Facility: Unit #1, Unit #2, Unit #3, Unit #4, Unit #6, Unit #7, and AB-1  
Parameter: Total VOC Input  
Limit: shall not exceed 94.0 tons per twelve (12) month period, with compliance determined at the end of each month.

QUARTER : \_\_\_\_\_ YEAR: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

DRAFT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FESOP Quarterly Report**

Source Name: Deister Machine Company, Inc.  
Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803  
FESOP Permit No.: F003-37765-00235  
Facility: Unit #1, Unit #2, Unit #4, Unit #6, Unit #7, and AB-1  
Parameter: Xylene Input  
Limit: shall not exceed 9.00 tons per twelve (12) month period, with compliance determined at the end of each month.

QUARTER : \_\_\_\_\_ YEAR: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

DRAFT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FESOP Quarterly Report**

Source Name: Deister Machine Company, Inc.  
Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803  
FESOP Permit No.: F003-37765-00235  
Facility: Unit #3  
Parameter: VOC Input  
Limit: shall each not exceed 24.9 tons per twelve (12) month period, with compliance determined at the end of each month.

QUARTER : \_\_\_\_\_ YEAR: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FESOP Usage Report**

(Submit Report Quarterly)

Source Name: Deister Machine Company, Inc.  
Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803  
FESOP Permit No.: F003 37765 00235  
Facility: AB-1  
Parameter: VOC Input  
Limit: The VOC input to the paint booth AB-1 shall be less than fifteen (15) pounds per day of VOC, including coatings, dilution solvents, and cleaning solvents.

Month: \_\_\_\_\_ Year: \_\_\_\_\_

Day	VOC Input (pounds)	Day	VOC Input (pounds)
1		17	
2		18	
3		19	
4		20	
5		21	
6		22	
7		23	
8		24	
9		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	
16			

- No deviation occurred in this month.  
 Deviation/s occurred in this month.  
Deviation has been reported on \_\_\_\_\_

Submitted by: \_\_\_\_\_  
Title/Position: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Deister Machine Company, Inc.  
Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803  
FESOP Permit No.: F003-37765-00235

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B – Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

DRAFT

<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**Indiana Department of Environmental Management  
Office of Air Quality**

Technical Support Document (TSD) for a Significant Permit Revision to a  
Federally Enforceable State Operating Permit (FESOP) Renewal

**Source Description and Location**

<b>Source Name:</b>	<b>Deister Machine Company, Inc.</b>
<b>Source Location:</b>	<b>1933 East Wayne Street, Fort Wayne, IN 46803</b>
<b>County:</b>	<b>Allen</b>
<b>SIC Code:</b>	<b>3532 (Mining Machinery and Equipment, Except Oil and Gas Field Machinery and Equipment)</b>
<b>Operation Permit No.:</b>	<b>F 003-37765-00235</b>
<b>Operation Permit Issuance Date:</b>	<b>July 10, 2017</b>
<b>Significant Permit Revision No.:</b>	<b>003-43039-00235</b>
<b>Permit Reviewer:</b>	<b>Paul Jump</b>

**Source Definition**

This vibrating screen manufacturing company consists of four (4) plants:

- (a) Plant 1 is located at 1933 East Wayne Street, Fort Wayne, Indiana 46803;
- (b) Plant 2 is located at 1710 East Berry Street, Fort Wayne, Indiana 46803;
- (c) Plant 3 is located at 901 Glasgow Street, Fort Wayne, Indiana 46803; and
- (d) Plant 4 is located at 2001 Pontiac Street, Fort Wayne, Indiana 46803;

Since the four (4) plants are located on contiguous properties, have the same SIC codes and are owned by one (1) company, they will be considered one (1) source. This determination was made in Minor Permit Revision 003-10846-00235, issued on May 12, 1999.

This determination was initially made under Minor Permit Revision 003-10846-00235, issued on May 12, 1999.

**Existing Approvals**

The source was issued FESOP Renewal No. 003-37765-00235 on July 10, 2017. The source has since received the following approval:

- (a) Administrative Amendment No. 003-39178-00235, issued on November 20, 2017; and

### County Attainment Status

The source is located in Allen County.

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Unclassifiable or attainment effective January 16, 2018, for the 2015 8-hour ozone standard.
PM <sub>2.5</sub>	Unclassifiable or attainment effective April 15, 2015, for the 2012 annual PM <sub>2.5</sub> standard.
PM <sub>2.5</sub>	Unclassifiable or attainment effective December 13, 2009, for the 2006 24-hour PM <sub>2.5</sub> standard.
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Unclassifiable or attainment effective January 29, 2012, for the 2010 NO <sub>2</sub> standard.
Pb	Unclassifiable or attainment effective December 31, 2011, for the 2008 lead standard.

- (a) **Ozone Standards**  
Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to ozone. Allen County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM<sub>2.5</sub>**  
Allen County has been classified as attainment for PM<sub>2.5</sub>. Therefore, direct PM<sub>2.5</sub>, SO<sub>2</sub>, and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) **Other Criteria Pollutants**  
Allen County has been classified as attainment or unclassifiable in Indiana for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

### Fugitive Emissions

Since this type of operation is not one (1) of the twenty-eight (28) listed source categories under 326 IAC 2-2-1(ff)(1), 326 IAC 2-3-2(g), or 326 IAC 2-7-1(22)(B), and there is no applicable New Source Performance Standard or National Emission Standard for Hazardous Air Pollutants that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

The fugitive emissions of hazardous air pollutants (HAP) are counted toward the determination of Part 70 Permit applicability and source status under Section 112 of the Clean Air Act (CAA).

### Greenhouse Gas (GHG) Emissions

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at [http://www.supremecourt.gov/opinions/13pdf/12-1146\\_4g18.pdf](http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf)) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

**Source Status - Existing Source**

The table below summarizes the potential to emit of the entire source, prior to the proposed revision, after consideration of all enforceable limits established in the effective permits. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

	Source-Wide Emissions Prior to Revision (ton/year)								
	PM <sup>1</sup>	PM <sub>10</sub> <sup>1</sup>	PM <sub>2.5</sub> <sup>1,2</sup>	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Single HAP <sup>3</sup>	Total HAPs
<b>Total PTE of Entire Source Excluding Fugitive Emissions*</b>	23.46	24.06	24.06	0.06	10.52	98.94	8.84	9.05	18.82
Title V Major Source Thresholds	NA	100	100	100	100	100	100	10	25
PSD Major Source Thresholds	250	250	250	250	250	250	250	--	--

<sup>1</sup>Under the Part 70 Permit program (40 CFR 70), PM<sub>10</sub> and PM<sub>2.5</sub>, not particulate matter (PM), are each considered as a "regulated air pollutant."  
<sup>2</sup>PM<sub>2.5</sub> listed is direct PM<sub>2.5</sub>.  
<sup>3</sup>Single highest source-wide HAP: Xylene  
 \*Fugitive HAP emissions are always included in the source-wide emissions.

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no PSD regulated pollutant is emitted at a rate of two hundred fifty (250) tons per year or more and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (b) This existing source is not a major source of HAP, as defined in 40 CFR 63.2, because HAP emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.
- (c) These emissions are based on the TSD of Administrative Amendment No. 003-39178-00235, issued on November 20, 2017.

**Description of Proposed Revision**

The Office of Air Quality (OAQ) has reviewed an application, submitted by Deister Machine Company, Inc. on July 6, 2020, relating to the construction of a new paint booth. The FESOP limits will be revised during this significant permit revision to include the new unit.

The following is a list of the new emission unit and pollution control device(s):

- (a) One (1) small parts aerosol paint booth, identified as AB-1, approved in 2020 for construction, with a maximum capacity of 1.0 unit per hour, using particulate dry and carbon filters as control, and exhausting indoors.

**“Integral Part of the Process” Determination**

In October 1993 a Final Order Granting Summary Judgment was signed by Administrative Law Judge (“ALJ”) Garrettson resolving an appeal filed by Kimball Hospitality Furniture Inc. (Cause Nos. 92-A-J-730 and 92-A-J-833) related to the method by which IDEM calculated potential emissions from woodworking operations. In his findings, the ALJ determined that particulate controls are necessary for the facility to produce its normal product and are integral to the normal operation of the facility, and therefore, potential emissions should be calculated after controls. Based on this ruling, the potential to emit particulate matter from the woodworking operations was calculated after control for purposes of determining permitting level and applicability of 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes).

**Enforcement Issues**

There are no pending enforcement actions related to this revision.

**Emission Calculations**

See Appendix A of this Technical Support Document for detailed emission calculations.

**Permit Level Determination – FESOP Significant Permit Revision**

Pursuant to 326 IAC 2-1.1-1(12), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-8-11.1 (Permit Revisions). This table reflects the PTE before controls of the proposed revision. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

Process / Emission Unit	PTE Before Controls of the New Emission Units (ton/year)								
	PM	PM <sub>10</sub>	PM <sub>2.5</sub> <sup>1</sup>	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Single HAP <sup>2</sup>	Total HAPs
Aerosol Spray Booth AB-1	3.43	3.43	3.43	-	-	4.27	-	0.96	1.52
<b>Total PTE Before Controls of the New Emission Units:</b>	<b>3.43</b>	<b>3.43</b>	<b>3.43</b>	<b>-</b>	<b>-</b>	<b>4.27</b>	<b>-</b>	<b>0.96</b>	<b>1.52</b>

<sup>1</sup>PM<sub>2.5</sub> listed is direct PM<sub>2.5</sub>.  
<sup>2</sup>Single highest HAP: Xylene

Appendix A of this TSD reflects the detailed potential emissions of the proposed revision.

Pursuant to 326 IAC 2-8-11.1(f), this FESOP is being revised through a FESOP Significant Permit Revision because the proposed revision is not an Administrative Amendment or Minor Permit revision and the proposed revision involves adjusting a FESOP limit.

**PTE of the Entire Source After Issuance of the FESOP Revision**

The table below summarizes the after issuance source-wide potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of the revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

	Source-Wide Emissions After Issuance (ton/year)								
	PM <sup>1</sup>	PM <sub>10</sub> <sup>1</sup>	PM <sub>2.5</sub> <sup>1, 2</sup>	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Single HAP <sup>3</sup>	Total HAPs
<b>Total PTE of Entire Source Excluding Fugitives*</b>	26.88	27.48	27.48	0.06	10.52	94.94	8.84	9.05	20.34
Title V Major Source Thresholds	NA	100	100	100	100	100	100	10	25
PSD Major Source Thresholds	250	250	250	250	250	250	250	--	--
<sup>1</sup> Under the Part 70 Permit program (40 CFR 70), PM <sub>10</sub> and PM <sub>2.5</sub> , not particulate matter (PM), are each considered as a "regulated air pollutant." <sup>2</sup> PM <sub>2.5</sub> listed is direct PM <sub>2.5</sub> . <sup>3</sup> Single highest source-wide HAP: Xylene *Fugitive HAP emissions are always included in the source-wide emissions.									

Appendix A of this TSD reflects the detailed potential to emit of the entire source after issuance.

The source opted to take VOC limit(s) in order to render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable to this source and to render the source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA). See Technical Support Document (TSD) State Rule Applicability - Entire Source section, 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset), 326 IAC 2-8 (FESOP), and 326 IAC 20 (Hazardous Air Pollutants) for more information regarding the limit(s).

- (a) This existing Title V minor stationary source will continue to be minor under 326 IAC 2-7 because the potential to emit regulated air pollutants and HAPs from the entire source will continue to be less than or limited to less than the Title V major source threshold levels. Therefore, the source is subject to the provisions of 326 IAC 2-8 (FESOP) and is an area source under Section 112 of the Clean Air Act (CAA).
- (b) This existing minor PSD stationary source will continue to be minor under 326 IAC 2-2 because the potential to emit of all PSD regulated pollutants from the entire source will continue to be less than the PSD major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

**Federal Rule Applicability Determination**

Due to the proposed revision, federal rule applicability has been reviewed as follows:

**New Source Performance Standards (NSPS):**

- (a) The requirements of the New Source Performance Standard for Automobile and Light Duty Truck Surface Coating Operations, 40 CFR 60, Subpart MM, are not included in the permit for the one (1) Small Parts Aerosol Paint Booth, identified as AB-1, since the source is not considered an automobile or light duty truck assembly plant as defined in 40 CFR 60.391.

- (b) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this proposed revision.

**National Emission Standards for Hazardous Air Pollutants (NESHAP):**

- (a) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, 40 CFR 63, Subpart HHHHHH are not included in the permit for the aerosol paint booth, identified as AB-1, since the source does not perform paint stripping using Methyl Chloride, does not apply coatings to motor vehicles and mobile equipment, and does not apply coatings that contain the target HAPs defined in 40 CFR 63.11180. Pursuant to 40 CFR 63.11180, target HAPs are defined as compounds of chromium, lead, manganese, nickel, or cadmium.
- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Nine Metal Fabrication and Finishing Source Categories, 40 CFR 63, Subpart XXXXXX are not included in the permit for the aerosol paint booth, identified as AB-1, since the source does not use materials that contain or have the potential to emit Metal Fabrication HAPs (MFHAPs). MFHAPs are defined to be materials that contain greater than 0.1 percent for carcinogens, as defined by OSHA at 29 CFR 1910.1200(d)(4), and greater than 1.0 percent for noncarcinogens. For the MFHAPs, this corresponds to materials that contain cadmium, chromium, lead, or nickel in amounts greater than or equal to 0.1 percent by weight (of the metal), and materials that contain manganese in amounts greater than or equal to 1.0 percent by weight (of the metal), as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the material. The surface coating operations for this source use only xylene and ethylbenzene.
- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP): Surface Coating of Automobiles and Light-Duty Trucks, 40 CFR 63, Subpart IIII (4I), are not included in this permit, since this source does not surface coat new automobile or new light-duty truck bodies or body parts for new automobiles or new light-duty trucks, and the source is not a major source of HAPs.
- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63, Subpart MMMM, are not included in this permit, since this source is not a major source of HAP emissions.
- (e) There are no National Emission Standards for Hazardous Air Pollutants under 40 CFR 63, 326 IAC 14 and 326 IAC 20 included for this proposed revision.

**Compliance Assurance Monitoring (CAM):**

Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is limited to less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

<b>State Rule Applicability - Entire Source</b>
---

Due to this revision, state rule applicability has been reviewed as follows:

**326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset)**

PSD and Emission Offset applicability is discussed under the PTE of the Entire Source After Issuance of the FESOP Revision section of this document.

**326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))**

The new emission unit(s) will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

### **326 IAC 2-6 (Emission Reporting)**

This source is not subject to 326 IAC 2-6 (Emission Reporting), because it is not required to have an operating permit pursuant to 326 IAC 2-7 (Part 70); it is not located in Lake, Porter, Clark, or Floyd County, and its potential to emit lead is less than 5 tons per year. Therefore, this rule does not apply.

### **326 IAC 2-8-4 (FESOP) and 326 IAC 20 (Hazardous Air Pollutants)**

FESOP applicability is discussed under the PTE of the Entire Source After Issuance of the FESOP Revision section of this document.

#### FESOP VOC Limit(s)

Pursuant to 326 IAC 2-8-4 (FESOP), and in order to render the requirements of 326 IAC 2-7 (Part 70 Permits), not applicable, the Permittee shall comply with the following:

- (a) The Combined VOC Input, including primer, base coats, glues, and cleaning solvents, to the Spray Paint Booths, identified as Unit #1, Unit #2, Unit #4, Unit #6, Unit #7, and AB-1, and the Glue and Hardener Hand Roller Application Area, identified as Unit #3, shall not exceed 94.0 tons per twelve (12) month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit VOC from all other emission units at this source, shall limit the source-wide total potential to emit of VOC to less than 100 tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable.

#### FESOP HAP Limit(s)

Pursuant to 326 IAC 2-8-4 (FESOP), and in order to render the source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA), and render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable, the Permittee shall comply with the following:

- (a) The Single HAP Xylene Input to the Spray Paint Booths, identified as Unit #1, Unit #2, Unit #4, Unit #6, Unit #7, and AB-1, shall not exceed 9.0 tons per twelve (12) month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit HAP from all other emission units at the source, shall limit the source-wide potential to emit single HAP to less than 10 tons per twelve (12) consecutive month period and the source-wide potential to emit total HAPs to less than 25 tons per twelve (12) consecutive month period, and shall render the source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA) and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable.

### **326 IAC 5-1 (Opacity Limitations)**

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

### **326 IAC 6-4 (Fugitive Dust Emissions Limitations)**

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

**326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)**

This source is not subject to the requirements of 326 IAC 6-5, because the source has potential fugitive particulate emissions of less than twenty-five (25) tons per year.

**326 IAC 6.5 (Particulate Matter Limitations Except Lake County)**

Pursuant to 326 IAC 6.5-1-1(a), this source (located in Allen County) is not subject to the requirements of 326 IAC 6.5 because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne.

**326 IAC 6.8 (Particulate Matter Limitations for Lake County)**

Pursuant to 326 IAC 6.8-1-1(a), this source (located in Allen County) is not subject to the requirements of 326 IAC 6.8 because it is not located in Lake County.

<b>State Rule Applicability – Individual Facilities</b>
---

Due to the proposed revision, state rule applicability has been reviewed as follows:

**326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)**

Pursuant to 326 IAC 6-3-1(b)(15), the aerosol paint booth, identified as AB-1, is not subject to the requirements of 326 IAC 6-3, since it uses less than five (5) gallons of surface coating per day.

**326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)**

Even though, this unit was constructed after January 1, 1980, it is not subject to the requirements of 326 IAC 8-1-6 because its unlimited VOC potential emissions are less than twenty-five (25) tons per year.

**326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations)**

The aerosol paint booth, identified as AB-1, was constructed in 2020, is located in Allen County, has the unlimited PTE of VOC equal to or greater than fifteen (15) pounds of VOC per day before add-on controls, and this source performs miscellaneous metal surface coating major SIC Code Group 35. The source has opted to limit the potential to emit VOC from the aerosol paint booth to less than fifteen (15) pounds per day before add-on controls in order to render the requirements of 326 IAC 8-2-9 not applicable in accordance with 326 IAC 8-1-1(b). Therefore, the aerosol paint booth is not subject to the requirements of 326 IAC 8-2-9.

In order to render the requirements of 326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations) not applicable, the VOC input to the aerosol paint booth shall be less than fifteen (15) pounds per day of VOC, including coatings, dilution solvents, and cleaning solvents. Compliance with this limit shall render the requirements of 326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations) not applicable.

<b>Compliance Determination and Monitoring Requirements</b>
---

(a) The Compliance Determination Requirements applicable to this revision are as follows:

Testing Requirements:

There are no testing requirements.

(b) The Compliance Monitoring Requirements applicable to this proposed revision are as follows:

There are no new or modified compliance requirements included with this revision.

### Proposed Changes

The following changes listed below are due to the proposed revision. Deleted language appears as ~~strike through~~ text and new language appears as **bold** text:

- (1) IDEM OAQ added one (1) small parts aerosol paint booth to Section A.2 and Section D.1.
- (2) IDEM OAQ revised the FESOP limit to include the one (1) small parts aerosol paint booth in Section D.1.1(a).
- (3) IDEM OAQ added a FESOP usage form for the one (1) small parts aerosol paint booth.

#### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

\*\*\*

- (h) **One (1) Small Parts Aerosol Paint Booth, identified as AB-1, approved in 2020 for construction, with a maximum capacity of 1.0 unit per hour, using particulate dry and carbon filters as control, and exhausting indoors.**

### SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

#### Emissions Unit Description:

\*\*\*

- (h) **One (1) Small Parts Aerosol Paint Booth, identified as AB-1, approved in 2020 for construction, with a maximum capacity of 1.0 unit per hour, using particulate dry and carbon filters as control, and exhausting indoors.**

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

#### Emission Limitations and Standards [326 IAC 2-8-4(1)]

##### D.1.1 FESOP Limits [326 IAC 2-8]

In order to render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable, the Permittee shall comply with the following limits:

- (a) The Combined VOC Input, including primer, base coats, glues, and cleaning solvents, to the Spray Paint Booths, identified as Unit #1, Unit #2, Unit #4, Unit #6, and Unit #7, **AB-1**, and the Glue and Hardener Hand Roller Application Area, identified as Unit #3, shall not exceed ~~98.0~~ **94.0** tons per twelve (12) month period, with compliance determined at the end of each month.
- (b) The Single HAP Xylene Input to the Spray Paint Booths, identified as Unit #1, Unit #2, Unit #4, Unit #6, Unit #7, and **AB-1**, shall not exceed 9.0 tons per twelve (12) month period, with compliance determined at the end of each month.

\*\*\*

D.1.3 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

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\*\*\*

- (c) In order to render the requirements of 326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations) not applicable, the VOC input to the paint booth, identified as AB-1, shall be less than fifteen (15) pounds per day of VOC, including coatings, dilution solvents, and cleaning solvents. Compliance with this limit shall render the requirements of 326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations) not applicable.

D.1.7 Volatile Organic Compounds (VOC) [326 IAC 8-1-2] [326 IAC 8-1-4]

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\*\*\*

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.1.9 Record Keeping Requirement

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\*\*\*

- (b) To document the compliance status with Condition D.1.3(c), the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC usage limits established in Condition D.1.3(c).
- (1) The VOC content of each coating material and solvent used.
- (2) The amount of each coating material and solvent used on a daily basis.
- (A) Records shall include purchase orders, invoices, and safety data sheets (SDS) necessary to verify the type and amount used.
- (3) The total VOC input to paint booth AB-1, including coating, dilution solvents, and cleaning solvents, for each day.
- (bc) To document the compliance status with Condition D.1.8, the Permittee shall maintain a log of weekly overspray observations and daily and monthly inspections.
- (ed) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

D.1.10 Reporting Requirements

---

A quarterly report of VOC and Single HAP usage and a quarterly summary of the information to document the compliance status with D.1.1(a), D.1.1(b), D.1.3(a), **D.1.3(c)**, and D.1.4 shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FESOP Usage Report**

(Submit Report Quarterly)

Source Name: Deister Machine Company, Inc.  
Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803  
FESOP Permit No.: F003 37765 00235  
Facility: AB-1  
Parameter: VOC Input  
Limit: The VOC input to the paint booth AB-1 shall be less than fifteen (15) pounds per day of VOC, including coatings, dilution solvents, and cleaning solvents.

Month: \_\_\_\_\_ Year: \_\_\_\_\_

Day	VOC Input (pounds)	Day	VOC Input (pounds)
1		17	
2		18	
3		19	
4		20	
5		21	
6		22	
7		23	
8		24	
9		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	
16			

- No deviation occurred in this month.  
 Deviation/s occurred in this month.

Deviation has been reported on \_\_\_\_\_

Submitted by: \_\_\_\_\_  
Title/Position: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

Phone: \_\_\_\_\_

### Additional Changes

IDEM, OAQ made additional changes to the permit as described below in order to update the language to match the most current version of the applicable rule, to eliminate redundancy within the permit, and to provide clarification regarding the requirements of these conditions.

- (1) Section B - Annual Fee Payment of the permit has been revised as follows to include an updated phone number for the OAQ, Billing, Licensing, and Training Section:

#### B.22 Annual Fee Payment [326 IAC 2-1.1-7]

- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230**8590** (ask for OAQ, Billing, Licensing, and Training Section) to determine the appropriate permit fee.

- (2) Effective June 8, 2019, the requirements of 326 IAC 14-10 (Emission Standards for Asbestos Demolition and Renovation Operations) were amended. The OAQ Permits Branch and Compliance and Enforcement Branch have agreed to make the following changes to Section C - Asbestos Abatement Projects in Part 70 Permits, FESOPs, and MSOPs:

#### C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

\*\*\*\*\*

- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2c).

- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3d).

\*\*\*\*\*

- (3) IDEM OAQ has update the permit model language for D.1.9.

#### Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

##### D.1.9 Record Keeping Requirement

\*\*\*

- (A) Records shall include purchase orders, invoices, and ~~material~~ safety data sheets (MSDS) necessary to verify the type and amount used.

- (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

\*\*\*

### Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on July 6, 2020.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No. 003-43039-00235. The staff recommends to the Commissioner that the FESOP Significant Permit Revision be approved.

<b>IDEM Contact</b>
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- (a) If you have any questions regarding this permit, please contact Paul Jump, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-6555 or (800) 451-6027, and ask for Paul Jump or (317) 234-6555.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <http://www.in.gov/idem/airquality/2356.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A: Emissions Calculations  
Source Summary**

**Company Name:** Deister Machine Company  
**Source Address:** 1933 East Wayne Street, Fort Wayne, IN 46803  
**Permit Number:** 003-43039-00235  
**Reviewer:** Paul Jump

Uncontrolled Potential to Emit										
	PM	PM10	PM2.5	SO2	NOx	VOC	CO	Total HAPs	Single Worst HAP	
Paintbooth Unit #1	17.80	17.80	17.80	-	-	34.91	-	0.21	0.21	Xylene
Paintbooth Unit #2	17.80	17.80	17.80	-	-	34.91	-	0.21	0.21	Xylene
Paintbooth Unit #4	29.71	29.71	29.71	-	-	25.16	-	5.66	4.22	Xylene
Paintbooth Unit #6	29.71	29.71	29.71	-	-	25.16	-	5.66	4.22	Xylene
Paintbooth Unit #7	29.71	29.71	29.71	-	-	25.16	-	5.66	4.22	Xylene
Aerosol Spray Booth AB-1	3.43	3.43	3.43	-	-	4.27	-	1.52	0.96	Xylene
Unit #3	-	-	-	-	-	26.28	-	-	-	-
Touch-Up Spray Painting Operation	0.05	0.05	0.05	-	-	0.36	-	0.10	0.05	Xylene
Woodcutting Operations	0.08	0.08	0.08	-	-	-	-	-	-	-
NG Combustion	0.20	0.80	0.80	0.06	10.52	0.58	8.84	0.20	0.19	Hexane
Welding	16.90	16.90	16.90	-	-	-	-	1.11	1.10	Manganese
<b>Total</b>	<b>145.38</b>	<b>145.98</b>	<b>145.98</b>	<b>0.06</b>	<b>10.52</b>	<b>176.77</b>	<b>8.84</b>	<b>20.34</b>	<b>#VALUE!</b>	<b>Xylene</b>

Controlled Potential to Emit										
	PM	PM10	PM2.5	SO2	NOx	VOC	CO	Total HAPs	Single Worst HAP	
Paintbooth Unit #1	0.89	0.89	0.89	-	-	94.00	-	0.21	9.00	Xylene
Paintbooth Unit #2	0.89	0.89	0.89	-	-		-	0.21		
Paintbooth Unit #4	1.49	1.49	1.49	-	-		-	5.66		
Paintbooth Unit #6	1.49	1.49	1.49	-	-		-	5.66		
Paintbooth Unit #7	1.49	1.49	1.49	-	-		-	5.66		
Aerosol Spray Booth AB-1	0.17	0.17	0.17	-	-		-	1.52		
Unit #3	-	-	-	-	-		-	-		
Touch-Up Spray Painting Operation	0.05	0.05	0.05	-	-	0.36	-	0.10	0.05	Xylene
Woodcutting Operations	0.08	0.08	0.08	-	-	-	-	-	-	-
NG Combustion	0.20	0.80	0.80	0.06	10.52	0.58	8.84	0.20	0.19	Hexane
Welding	16.90	16.90	16.90	-	-	-	-	1.11	1.10	Manganese
<b>Total</b>	<b>23.63</b>	<b>24.23</b>	<b>24.23</b>	<b>0.06</b>	<b>10.52</b>	<b>94.94</b>	<b>8.84</b>	<b>20.34</b>	<b>9.05</b>	<b>Xylene</b>

Limited Potential to Emit										
	PM	PM10	PM2.5	SO2	NOx	VOC	CO	Total HAPs	Single Worst HAP	
Paintbooth Unit #1	0.89	0.89	0.89	-	-	94.00	-	0.21	9.00	Xylene
Paintbooth Unit #2	0.89	0.89	0.89	-	-		-	0.21		
Paintbooth Unit #4	1.49	1.49	1.49	-	-		-	5.66		
Paintbooth Unit #6	1.49	1.49	1.49	-	-		-	5.66		
Paintbooth Unit #7	1.49	1.49	1.49	-	-		-	5.66		
Aerosol Spray Booth AB-1	3.43	3.43	3.43	-	-		-	1.52		
Unit #3	-	-	-	-	-		-	-		
Touch-Up Spray Painting Operation	0.05	0.05	0.05	-	-	0.36	-	0.10	0.05	Xylene
Woodcutting Operations	0.08	0.08	0.08	-	-	-	-	-	-	-
NG Combustion	0.20	0.80	0.80	0.06	10.52	0.58	8.84	0.20	0.19	Hexane
Welding	16.90	16.90	16.90	-	-	-	-	1.11	1.10	Manganese
<b>Total</b>	<b>26.88</b>	<b>27.48</b>	<b>27.48</b>	<b>0.06</b>	<b>10.52</b>	<b>94.94</b>	<b>8.84</b>	<b>20.34</b>	<b>9.05</b>	<b>Xylene</b>

**Appendix A: Emissions Calculations  
Summary of Modification**

**Company Name: Deister Machine Company  
Source Address: 1933 East Wayne Street, Fort Wayne, IN 46803  
Permit Number: 003-43039-00235  
Reviewer: Paul Jump**

<b>PTE Before Controls of the New Emission Units (ton/year)</b>										
<b>Emission Unit</b>	<b>PM</b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>VOC</b>	<b>CO</b>	<b>Combined HAPs</b>	<b>Single HAP</b>	
Aerosol Spray Booth(AB-1)	3.43	3.43	3.43	-	-	4.27	-	1.52	0.96	Xylene
<b>Total PTE Before Controls of the New Emission Units:</b>	<b>3.43</b>	<b>3.43</b>	<b>3.43</b>	<b>0.00</b>	<b>0.00</b>	<b>4.27</b>	<b>0.00</b>	<b>1.52</b>	<b>0.96</b>	<b>Xylene</b>

**Appendix A: Emissions Calculations  
VOC and Particulate  
From Aerosol Coating Operations**

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**Company Name: Deister Machine Company  
Source Address: 1933 East Wayne Street, Fort Wayne, IN 46803  
Permit Number: 003-43039-00235  
Reviewer: Paul Jump**

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water*	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Uncontrolled Particulate Potential (ton/yr)	Controlled Particulate Potential (ton/yr)	Controlled Particulate Potential (lb/hr)	lb VOC/gal solids	Transfer Efficiency	Control Efficiency (%)
<b>AB-1</b> Fast Dry 35 Gloss Alykd White/Pasel Base (00338179)	11.68	35.05%	0.00%	35.05%	0.00%	64.95%	0.188	1,000	4.09	4.09	0.77	18.42	3.36	3.43	0.17	0.04	6.30	45%	95%
<b>AB-1</b> Krylon Industrial Tough Coat Rust Control Primer (A00340007)	6.83	9.52%	25.00%	9.52%	0.00%	65.48%	0.188	1,000	0.65	0.65	0.12	2.93	0.54	2.80	0.14	0.03	0.99	45%	95%
<b>AB-1</b> Fast Dry Industrial Acrylic Enamel (HSE-1760)	9.94	52.18%	0.00%	52.18%	0.00%	62.93%	0.188	1,000	5.19	5.19	0.98	23.40	4.27	2.15	0.11	0.02	8.24	45%	95%
<b>Total Potential to Emit</b>											<b>0.98</b>	<b>23.40</b>	<b>4.27</b>	<b>3.43</b>	<b>0.17</b>				

**METHODOLOGY**

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) \* Weight % Organics) / (1-Volume % water)  
 Pounds of VOC per Gallon Coating = (Density (lb/gal) \* Weight % Organics)  
 Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr)  
 Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day)  
 Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hr/yr) \* (1 ton/2000 lbs)  
 Particulate Potential Tons per Year = (units/hour) \* (gal/unit) \* (lbs/gal) \* (1- Transfer efficiency) \* (8760 hrs/yr) \* (1 ton/2000 lbs)  
 Pounds VOC per Gallon of Solids = (Density (lbs/gal) \* Weight % organics) / (Volume % solids)  
 Total = Worst Coating + Sum of all solvents used  
 \* = % by weight exempt VOC (acetone)

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Ethylbenzene	Xylene Emissions (ton/yr)	Ethylbenzene Emissions (ton/yr)	Total HAPs (ton/yr)	Single Worst HAP (ton/yr)
<b>AB-1</b> Fast Dry 35 Gloss Alykd	11.68	0.188	1,000	10.00%	2.70%	0.96	0.26	1.22	0.962
<b>AB-1</b> Krylon Industrial Tough Coat Rust Control Primer (A00340007)	6.83	0.188	1,000	0.30%	10.00%	0.02	0.56	0.58	0.562
<b>AB-1</b> Fast Dry Industrial Acrylic Enamel (HSE-1760)	9.94	0.188	1,000	10.00%	2.60%	0.82	0.21	1.03	0.818

<b>Potential HAP Emissions</b>		<b>0.96</b>	<b>0.56</b>
	<b>Total HAPs</b>	<b>1.52</b>	
	<b>Single Worst HAP</b>	<b>0.96</b>	<b>Xylene</b>

**Appendix A: Emissions Calculations  
VOC and Particulate  
From Surface Coating Operations**

Company Name: Deister Machine Company  
Source Address: 1933 East Wayne Street, Fort Wayne, IN 46803  
Permit Number: 003-43039-00235  
Reviewer: Paul Jump

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Uncontrolled Particulate Potential (ton/yr)	Controlled Particulate Potential (ton/yr)	Controlled Particulate Potential (lb/hr)	lb VOC/gal solids	Transfer Efficiency (%)	Control Efficiency (%)	
<b>Unit #1</b>																				
Durethane DTM Deister Sandstone	9.69	32.90%	0.00%	32.90%	0.00%	67.10%	10.000	0.250	3.19	3.19	7.97	191.28	34.91	17.80	0.89	0.20	4.75	75%	95%	
<b>Unit #2</b>																				
Durethane DTM Deister Sandstone	9.69	32.90%	0.00%	32.90%	0.00%	67.10%	10.000	0.250	3.19	3.19	7.97	191.28	34.91	17.80	0.89	0.20	4.75	75%	95%	
<b>Unit #4</b>																				
Amercoat 370 Pearl Gray Resin	14.02	17.47%	0.00%	17.47%	0.00%	82.53%	3.500	0.670	2.45	2.45	5.74	137.85	25.16	29.71	1.49	0.34	2.97	75%	95%	
<b>Unit #6</b>																				
Amercoat 370 Pearl Gray Resin	14.02	17.47%	0.00%	17.47%	0.00%	82.53%	3.500	0.670	2.45	2.45	5.74	137.85	25.16	29.71	1.49	0.34	2.97	75%	95%	
<b>Unit #7</b>																				
Amercoat 370 Pearl Gray Resin	14.02	17.47%	0.00%	17.47%	0.00%	82.53%	3.500	0.670	2.45	2.45	5.74	137.85	25.16	29.71	1.49	0.34	2.97	75%	95%	

<b>Total Potential to Emit</b>	<b>33.17</b>	<b>796.10</b>	<b>145.29</b>	<b>124.73</b>	<b>6.24</b>
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**METHODOLOGY**

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) \* Weight % Organics) / (1-Volume % water)  
 Pounds of VOC per Gallon Coating = (Density (lb/gal) \* Weight % Organics)  
 Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr)  
 Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day)  
 Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hr/yr) \* (1 ton/2000 lbs)  
 Particulate Potential Tons per Year = (units/hour) \* (gal/unit) \* (lbs/gal) \* (1-Transfer efficiency) \* (8760 hrs/yr) \* (1 ton/2000 lbs)  
 Pounds VOC per Gallon of Solids = (Density (lbs/gal) \* Weight % organics) / (Volume % solids)  
 Total = Worst Coating + Sum of all solvents used

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Ethylbenzene	Xylene Emissions (ton/yr)	Ethylbenzene Emissions (ton/yr)	Total HAPs (ton/yr)	Single Worst HAP (ton/yr)
<b>Unit #1</b>									
Durethane DTM Deister Sa	9.69	10.000	0.250	0.20%	0.00%	0.21	0.00	0.21	0.212
<b>Unit #2</b>									
Durethane DTM Deister Sa	9.69	10.000	0.250	0.20%	0.00%	0.21	0.00	0.21	0.212
<b>Unit #4</b>									
Amercoat 370 Pearl Gray R	14.02	3.500	0.670	2.93%	1.00%	4.22	1.44	5.66	4.219
<b>Unit #6</b>									
Amercoat 370 Pearl Gray R	14.02	3.500	0.670	2.93%	1.00%	4.22	1.44	5.66	4.219
<b>Unit #7</b>									
Amercoat 370 Pearl Gray R	14.02	3.500	0.670	2.93%	1.00%	4.22	1.44	5.66	4.219

<b>Potential HAP Emissions</b>		<b>13.08</b>	<b>4.32</b>
<b>Total HAPs</b>		<b>17.40</b>	
<b>Single Worst</b>		<b>13.08 Xylene</b>	

**Appendix A: Emissions Calculations  
VOC and Particulate  
glue and hardener hand roller application area, Unit #3**

Company Name: Deister Machine Company  
Source Address: 1933 East Wayne Street, Fort Wayne, IN 46803  
Permit Number: 003-43039-00235  
Reviewer: Paul Jump

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Uncontrolled Particulate Potential (ton/yr)	Controlled Particulate Potential (ton/yr)	Controlled Particulate Potential (lb/hr)	lb VOC /gal solids	Transfer Efficiency (%)	Control Efficiency (%)
<b>Unit #3</b>																			
Rena Tip Top SC 4000 Cement	7.50	40.00%	0.00%	40.00%	0.00%	60.00%	2.000	1.000	3.00	3.00	6.00	144.00	26.28	0.00	0	0	5.00	100%	0%
Rena Tip Top Hardener E40	8.35	74.00%	0.00%	74.00%	0.00%	26.00%	0.125	1.000	6.18	6.18	0.77	18.54	3.38	0.00	0	0	23.77	100%	0%

<b>Total Potential to Emit</b>	<b>6.00</b>	<b>144.00</b>	<b>26.28</b>	<b>0.00</b>	<b>0.00</b>
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**METHODOLOGY**

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) \* Weight % Organics) / (1-Volume % water)  
 Pounds of VOC per Gallon Coating = (Density (lb/gal) \* Weight % Organics)  
 Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr)  
 Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day)  
 Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hr/yr) \* (1 ton/2000 lbs)  
 Particulate Potential Tons per Year = (units/hour) \* (gal/unit) \* (lbs/gal) \* (1- Weight % Volatiles) \* (1-Transfer efficiency) \*(8760 hrs/yr) \*(1 ton/2000 lbs)  
 Pounds VOC per Gallon of Solids = (Density (lbs/gal) \* Weight % organics) / (Volume % solids)  
 Total = Worst Coating + Sum of all solvents used

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum unit/hour	Weight % Xylene	Weight % Ethylbenzen	Xylene Emissions (ton/yr)	Ethylbenzene Emissions (ton/yr)	Total HAPs (ton/yr)	Single Worst HAP (ton/yr)
<b>Unit #3</b>									
Rena Tip Top SC 4000 Cement	7.50	2.000	1.000	0.00%	0.00%	0.00	0.00	0.00	0.000
Rena Tip Top Hardener E40	8.35	0.125	1.000	0.00%	0.00%	0.00	0.00	0.00	0.000

<b>Potential HAP Emissions</b>	<b>0.00</b>	<b>0.00</b>
<b>Total HAPs</b>	<b>0.00</b>	
<b>Single Worst HAP</b>	<b>0.00</b>	<b>Xylene</b>

**Appendix A: Emissions Calculations  
VOC and Particulate  
Touch-Up Spray Painting Operation**

Company Name: Deister Machine Company  
Source Address: 1933 East Wayne Street, Fort Wayne, IN 46803  
Permit Number: 003-43039-00235  
Reviewer: Paul Jump

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/yr)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Uncontrolled Particulate Potential (ton/yr)	Controlled Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency	Control Efficiency (%)
Light Gray Primer	6.66	79.90%	0.00%	79.90%	0.00%	20.10%	104.0	5.32	5.32	0.06	1.52	0.28	0.04	0.04	26.47	45%	0%
Gloss White	6.66	79.90%	0.00%	79.90%	0.00%	20.10%	2.0	5.32	5.32	0.001	0.03	0.01	0.001	0.001	26.47	45%	0%
Red	6.41	79.90%	0.00%	79.90%	0.00%	20.10%	5.0	5.12	5.12	0.003	0.07	0.01	0.002	0.002	25.48	45%	0%
Yellow	6.5	79.90%	0.00%	79.90%	0.00%	20.10%	2.0	5.19	5.19	0.001	0.03	0.01	0.001	0.001	25.84	45%	0%
Blue	6.5	79.90%	0.00%	79.90%	0.00%	20.10%	2.0	5.19	5.19	0.001	0.03	0.01	0.001	0.001	25.84	45%	0%
Orange	6.41	79.90%	0.00%	79.90%	0.00%	20.10%	2.0	5.12	5.12	0.001	0.03	0.01	0.001	0.001	25.48	45%	0%
Gloss Black	6.33	79.90%	0.00%	79.90%	0.00%	20.10%	11.0	5.06	5.06	0.01	0.15	0.03	0.004	0.004	25.16	45%	0%
Brown	6.41	79.90%	0.00%	79.90%	0.00%	20.10%	2.0	5.12	5.12	0.001	0.03	0.01	0.001	0.001	25.48	45%	0%
Satin White	6.75	79.90%	0.00%	79.90%	0.00%	20.10%	1.0	5.39	5.39	0.001	0.01	0.00	0	0.00	26.83	100%	0%
Flat Black	6.58	79.90%	0.00%	79.90%	0.00%	20.10%	5.0	5.26	5.26	0.003	0.07	0.01	0	0.00	26.16	100%	0%

<b>Total Potential to Emit</b>	<b>0.08</b>	<b>1.95</b>	<b>0.36</b>	<b>0.05</b>	<b>0.05</b>
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**METHODOLOGY**

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) \* Weight % Organics) / (1-Volume % water)  
Pounds of VOC per Gallon Coating = (Density (lb/gal) \* Weight % Organics)  
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr)  
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day)  
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hrs/yr) \* (1 ton/2000 lbs)  
Particulate Potential Tons per Year = (units/hour) \* (gal/unit) \* (lbs/gal) \* (1- Weight % Volatiles) \* (1-Transfer efficiency) \* (8760 hrs/yr) \* (1 ton/2000 lbs)  
Pounds VOC per Gallon of Solids = (Density (lb/gal) \* Weight % organics) / (Volume % solids)  
Total = Worst Coating + Sum of all solvents used

Material	Density (Lb/Gal)	Gallons of Material (gal/yr)	Weight % Xylene	Weight % Toluene	Weight % Methanol	Weight % Ethyl Benzene	Xylene Emissions (ton/yr)	Toluene Emissions (ton/yr)	Methanol Emissions (ton/yr)	Ethyl Benzene Emissions (ton/yr)
Light Gray Primer	6.66	104.0	13.30%	10.61%	0.18%	3.01%	0.05	0.04	0.001	0.01
Gloss White	6.66	2.0	0.00%	9.04%	0.00%	0.00%	0.00	0.001	0.00	0.00
Red	6.41	5.0	0.00%	9.71%	0.00%	0.00%	0.00	0.002	0.00	0.00
Yellow	6.5	2.0	0.00%	9.63%	0.00%	0.00%	0.00	0.001	0.00	0.00
Blue	6.5	2.0	0.00%	9.85%	0.00%	0.00%	0.00	0.001	0.00	0.00
Orange	6.41	2.0	0.00%	9.50%	0.00%	0.00%	0.00	0.001	0.00	0.00
Gloss Black	6.33	11.0	0.00%	10.20%	0.00%	0.00%	0.00	0.004	0.00	0.00
Brown	6.41	2.0	0.00%	9.89%	0.00%	0.00%	0.00	0.001	0.00	0.00
Satin White	6.75	1.0	0.00%	10.57%	0.00%	0.00%	0.00	0.0004	0.00	0.00
Flat Black	6.58	5.0	0.00%	9.13%	0.00%	0.00%	0.00	0.002	0.00	0.00

<b>Potential HAP Emissions</b>					
<b>Total HAPs</b>	<b>0.10</b>	<b>0.05</b>	<b>0.05</b>	<b>0.00</b>	<b>0.01</b>
<b>Single Worst HAP</b>	<b>0.05 Xylene</b>				

**Appendix A: Emissions Calculations  
Woodcutting Operation**

**Company Name:** Deister Machine Company  
**Address, City, IN, Zip:** 1933 East Wayne Street, Fort Wayne, IN 46803  
**Permit Number:** 003-43039-00235  
**Permit Reviewer:** Paul Jump

Particulate Emission Before and After Control (tons/yr)					
Emission Unit	Grain Loading (gr/dscf)	Air flow Rate (scfm)	Potential Emissions (tons/yr)	Control Efficiency	Emissions after Integral Control (tons/yr)
Table Saw (Wayne St.)	0.01	200.00	0.75	90.00%	0.075

Methodology:

Uncontrolled Emissions:

Uncontrolled Emissions (tons/yr) = Controlled Emissions / (1 - Control Efficiency (%))

Controlled Emissions :

Controlled Emissions (tons/yr) = Grain Loading (gr/dscf) \* Air Flow Rate (scfm)\*(60min/hr)\*(1lb/7000gr)\* 8760 hr/yr \* 1 ton/2,000 lbs

**Appendix A: Emissions Calculations  
Welding and Thermal Cutting**

**Company Name:** Deister Machine Company  
**Source Address:** 1933 East Wayne Street, Fort Wayne, IN 46803  
**Permit Number:** 003-43039-00235  
**Reviewer:** Paul Jump

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)	Max. electrode consumption, total (lbs/hr)	EMISSION FACTORS*			EMISSIONS			HAPS (lbs/hr)
				(lb pollutant/lb electrode)			(lbs/hr)			
WELDING				PM = PM10 = PM2.5	Mn		PM = PM10 = PM2.5	Mn		
Metal Inert Gas (MIG)(carbon steel)	49	9.51	465.99	0.0055	0.0005		2.563	0.233	0.233	
Stick (E7018 electrode)	7	1.96	13.75	0.0211	0.0009		0.290	0.012	0.012	
Tungsten Inert Gas (TIG)(carbon steel)	1	0.81	0.81	0.0055	0.0005		0.004	0.000	0.000	
		<b>Total (lbs/hr)</b>	<b>481</b>			<b>Total (lbs/hr)</b>	<b>2.86</b>			
		<b>Total (tons/hr)</b>	<b>0.24</b>							
FLAME CUTTING	Number of Stations	Max. Metal Thickness Cut (in.)	Max. Metal Cutting Rate (in./minute)	EMISSION FACTORS			EMISSIONS			HAPS (lbs/hr)
				(lb pollutant/1,000 inches cut, 1" thick)**			(lbs/hr)			
				PM = PM10 = PM2.5	Mn	Cr	PM = PM10 = PM2.5	Mn	Cr	
Oxypropane	35	0.625	9	0.0815	0.0002	0.0002	0.963	0.002	0.002	0.005
Plasma** Burn Table (P-1)	1	1.25	18	0.0039	0.0002	0.0002	0.005	0.0003	0.0003	0.001
Plasma** Burn Tables (P-2, P-3)	2	1.25	55	0.0039	0.0002	0.0002	0.032	0.0017	0.0017	0.003
Plasma** Robotics	1	0.5	3	0.0039	0.0002	0.0002	0.0004	0.00002	0.00002	0.00004
		<b>Total (in/hour)</b>	<b>5100</b>							
EMISSION TOTALS							PM = PM10 = PM2.5	Mn	Cr	HAPs
Potential Emissions lbs/hr							3.86	0.25	0.00	0.25
Potential Emissions lbs/day							92.59	6.00	0.10	6.11
Potential Emissions tons/year							<b>16.90</b>	<b>1.10</b>	<b>0.02</b>	<b>1.11</b>

**Methodology:**

\*Emission Factors are default values for carbon steel unless a specific electrode type is noted in the Process column.

\*\*Emission Factor for plasma cutting from American Welding Society (AWS). Trials reported for wet cutting of 8 mm thick mild steel with 3.5 m/min cutting speed (at 0.2 g/min emitted). Therefore, the emission factor for plasma cutting is for 8

Using AWS average values: (0.25 g/min)/(3.6 m/min) x (0.0022 lb/g)/(39.37 in./m) x (1,000 in.) = 0.0039 lb/1,000 in. cut, 8 mm thick

Plasma cutting emissions, lb/hr: (# of stations)(max. cutting rate, in./min.)(60 min./hr.)(emission factor, lb. pollutant/1,000 in. cut, 8 mm thick)

Cutting emissions, lb/hr: (# of stations)(max. metal thickness, in.)(max. cutting rate, in./min.)(60 min./hr.)(emission factor, lb. pollutant/1,000 in. cut, 1" thick)

Welding emissions, lb/hr: (# of stations)(max. lbs of electrode used/hr/station)(emission factor, lb. pollutant/lb. of electrode used)

Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day

Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/year x 1 ton/2,000 lbs.

**Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100**

**Company Name:** Deister Machine Company  
**Source Address:** 1933 East Wayne Street, Fort Wayne, IN 46803  
**Permit Number:** 003-43039-00235  
**Reviewer:** Paul Jump

Emissions Unit ID	Description	Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr	Pollutant						
					PM*	PM10*	direct PM2.5*	SO2	NOx**	VOC	CO
					Emission Factor in lb/MMCF						
					1.9	7.6	7.6	0.6	100	5.5	84
Bay 6-7-1		0.175	1020	1.50	0.001	0.01	0.01	0.0005	0.1	0.004	0.1
Bay 6-7-2		0.175	1020	1.50	0.001	0.01	0.01	0.0005	0.1	0.004	0.1
Bay 6-7-3		0.175	1020	1.50	0.001	0.01	0.01	0.0005	0.1	0.004	0.1
Bay 6-7-4		0.175	1020	1.50	0.0014	0.006	0.006	0.0005	0.08	0.004	0.06
Bay 6-7-5		0.175	1020	1.50	0.0014	0.006	0.006	0.0005	0.08	0.004	0.06
Bay 6-7-6		0.175	1020	1.50	0.0014	0.006	0.006	0.0005	0.08	0.004	0.06
bay 4-1		0.175	1020	1.50	0.0014	0.006	0.006	0.0005	0.08	0.004	0.06
bay 4-2		0.175	1020	1.50	0.0014	0.006	0.006	0.0005	0.08	0.004	0.06
bay 4-3		6.800	1020	58.40	0.0555	0.222	0.222	0.0175	2.92	0.161	2.45
Mach Shp -1		0.400	1020	3.44	0.0033	0.013	0.013	0.0010	0.17	0.009	0.14
Mach Shp -2		0.400	1020	3.44	0.0033	0.013	0.013	0.0010	0.17	0.009	0.14
Mach Shp -3		0.400	1020	3.44	0.0033	0.013	0.013	0.0010	0.17	0.009	0.14
Mach Shp -4		0.100	1020	0.86	0.0008	0.003	0.003	0.0003	0.04	0.002	0.04
Mach Shp -5		0.100	1020	0.86	0.0008	0.003	0.003	0.0003	0.04	0.002	0.04
Mach Shp -6		0.100	1020	0.86	0.0008	0.003	0.003	0.0003	0.04	0.002	0.04
Mach Shp -7		0.100	1020	0.86	0.0008	0.003	0.003	0.0003	0.04	0.002	0.04
Mach Shp -8		0.250	1020	2.15	0.002	0.01	0.01	0.001	0.11	0.01	0.09
New office wing -1		0.107	1020	0.91	0.001	0.003	0.003	0.0003	0.05	0.003	0.04
New office wing -2		0.107	1020	0.91	0.001	0.003	0.003	0.0003	0.05	0.003	0.04
New office wing -3		0.060	1020	0.52	0.0005	0.002	0.002	0.0002	0.03	0.001	0.02
Wayne Roof units - 1		0.135	1020	1.16	0.001	0.004	0.004	0.0003	0.06	0.003	0.05
Wayne Roof units -2		0.135	1020	1.16	0.001	0.004	0.004	0.0003	0.06	0.003	0.05
Wayne Roof Units - 3		0.165	1020	1.42	0.001	0.01	0.01	0.0004	0.07	0.004	0.06
Wayne Roof Units - 4		0.165	1020	1.42	0.001	0.01	0.01	0.0004	0.07	0.004	0.06
Glasgow brick -1		0.165	1020	1.42	0.001	0.01	0.01	0.0004	0.07	0.004	0.06
Glasgow brick -2		0.165	1020	1.42	0.001	0.01	0.01	0.0004	0.07	0.004	0.06
Glasgow brick -3		0.165	1020	1.42	0.001	0.005	0.005	0.0004	0.07	0.004	0.06
Glasgow brick -4		0.165	1020	1.42	0.001	0.01	0.01	0.000	0.07	0.004	0.06
Glasgow brick -5		0.250	1020	2.15	0.002	0.008	0.008	0.0006	0.11	0.006	0.09
Glasgow brick -6		0.250	1020	2.15	0.002	0.01	0.01	0.001	0.11	0.01	0.09
Glasgow brick -7		0.250	1020	2.15	0.002	0.01	0.01	0.001	0.11	0.01	0.09
Glasgow brick -8		0.150	1020	1.29	0.001	0.005	0.005	0.0004	0.06	0.004	0.05
Glasgow brick -9		0.150	1020	1.29	0.001	0.005	0.005	0.000	0.06	0.004	0.05
Glasgow brick -10		0.120	1020	1.03	0.001	0.004	0.004	0.0003	0.05	0.003	0.04
<b>Total MMBtu/hr Page 1</b>		<b>12.753</b>		<b>Total Potential Emissions (tons/yr)</b>	<b>0.10</b>	<b>0.42</b>	<b>0.42</b>	<b>0.03</b>	<b>5.48</b>	<b>0.30</b>	<b>4.60</b>

\*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.  
 PM2.5 emission factor is filterable and condensable PM2.5 combined.

\*\*Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

**Appendix A: Emissions Calculations**

**Natural Gas Combustion Only**

**MM BTU/HR <100**

**(Continued)**

**Company Name: Deister Machine Company**  
**Source Address: 1933 East Wayne Street, Fort Wayne, IN 46803**  
**Permit Number: 003-43039-00235**  
**Reviewer: Paul Jump**

Emissions Unit ID	Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr	Pollutant						
				PM*	PM10*	direct PM2.5*	SO2	NOx**	VOC	CO
				Emission Factor in lb/MMCF						
				1.9	7.6	7.6	0.6	100	5.5	84
Glasgow brick -11	0.120	1020	1.03	0.001	0.00	0.00	0.000	0.1	0.00	0.0
Glasgow brick -12	0.105	1020	0.90	0.001	0.00	0.00	0.0003	0.0	0.002	0.0
Glasgow mach shop -1	0.400	1020	3.44	0.003	0.01	0.01	0.0010	0.2	0.009	0.1
Glasgow mach shop -2	0.400	1020	3.44	0.0033	0.013	0.013	0.0010	0.17	0.009	0.14
Glasgow mach shop -3	0.175	1020	1.50	0.0014	0.006	0.006	0.0005	0.08	0.004	0.06
Glasgow mach shop -4	0.175	1020	1.50	0.0014	0.006	0.006	0.0005	0.08	0.004	0.06
Glasgow mach shop -5	0.175	1020	1.50	0.0014	0.006	0.006	0.0005	0.08	0.004	0.06
Glasgow mach shop -6	0.175	1020	1.50	0.0014	0.006	0.006	0.0005	0.08	0.004	0.06
1718 Berry -1	0.165	1020	1.42	0.0013	0.005	0.005	0.0004	0.07	0.004	0.06
1710 Berry -1	0.400	1020	3.44	0.0033	0.013	0.013	0.0010	0.17	0.009	0.14
1710 Berry -2	0.400	1020	3.44	0.0033	0.013	0.013	0.0010	0.17	0.009	0.14
1604 Berry -1	0.400	1020	3.44	0.0033	0.013	0.013	0.0010	0.17	0.009	0.14
1604 Berry -2	0.400	1020	3.44	0.0033	0.013	0.013	0.0010	0.17	0.009	0.14
Pontiac North-1	0.400	1020	3.44	0.0033	0.013	0.013	0.0010	0.17	0.009	0.14
Pontiac North-2	0.400	1020	3.44	0.0033	0.013	0.013	0.0010	0.17	0.009	0.14
Pontiac North-3	0.400	1020	3.44	0.0033	0.013	0.013	0.0010	0.17	0.009	0.14
Pontiac North-4	0.400	1020	3.44	0.003	0.013	0.013	0.0010	0.2	0.009	0.1
Pontiac North-5	0.400	1020	3.44	0.003	0.013	0.013	0.0010	0.17	0.009	0.14
Pontiac North-6	0.400	1020	3.44	0.003	0.013	0.013	0.0010	0.2	0.009	0.1
Pontiac North-7	0.700	1020	6.01	0.006	0.023	0.023	0.0018	0.30	0.017	0.3
Pontiac South-1	4.000	1020	34.35	0.033	0.131	0.131	0.0103	1.7	0.094	1.4
Pontiac South-2	0.400	1020	3.44	0.003	0.013	0.013	0.0010	0.17	0.009	0.14
Pontiac South-3	0.400	1020	3.44	0.003	0.013	0.013	0.0010	0.2	0.009	0.1
Pontiac South-4	0.180	1020	1.55	0.0015	0.006	0.006	0.0005	0.08	0.004	0.06
Pontiac South-5	0.180	1020	1.55	0.0015	0.006	0.006	0.0005	0.08	0.004	0.06
<b>Total MMBtu/hr Page 2</b>	<b>11.750</b>	<b>Total Potential Emissions (tons/yr)</b>		<b>0.10</b>	<b>0.38</b>	<b>0.38</b>	<b>0.03</b>	<b>5.05</b>	<b>0.28</b>	<b>4.24</b>
<b>Total MMBtu/hr Page 1</b>	<b>12.753</b>									
<b>Total For the Source</b>	<b>24.503</b>									

\*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.  
 PM2.5 emission factor is filterable and condensable PM2.5 combined.

0.474492651

\*\*Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

**Methodology**

All emission factors are based on normal firing.  
 MMBtu = 1,000,000 Btu  
 MMCF = 1,000,000 Cubic Feet of Gas  
 Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03  
 Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu  
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton



**Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100  
(Continued)**

**Company Name:** Deister Machine Company  
**Source Address:** 1933 East Wayne Street, Fort Wayne, IN 46803  
**Permit Number:** 003-43039-00235  
**Reviewer:** Paul Jump

Hazardous Air Pollutants (HAPs)				HAPs - Organics					HAPs - Metals						
Emissions Unit	Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Total - Organics	Lead	Cadmium	Chromium	Manganese	Nickel	Total - Metals
				Emission Factor in lb/MMcf						Emission Factor in lb/MMcf					
Glasgow brick -11	0.120	1020	1.03	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	9.7E-04	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	2.8E-06
Glasgow brick -12	0.105	1020	0.90	1.1E-06	6.2E-07	3.9E-05	9.3E-04	1.8E-06	9.7E-04	2.6E-07	5.7E-07	7.2E-07	2.0E-07	1.1E-06	2.5E-06
Glasgow mach shop -1	0.400	1020	3.44	9.5E-07	5.4E-07	3.4E-05	8.1E-04	1.5E-06	8.5E-04	2.3E-07	5.0E-07	6.3E-07	1.7E-07	9.5E-07	2.5E-06
Glasgow mach shop -2	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
Glasgow mach shop -3	0.175	1020	1.50	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
Glasgow mach shop -4	0.175	1020	1.50	1.6E-06	9.0E-07	5.6E-05	1.4E-03	2.6E-06	1.4E-03	3.8E-07	8.3E-07	1.1E-06	2.9E-07	1.6E-06	4.1E-06
Glasgow mach shop -5	0.175	1020	1.50	1.6E-06	9.0E-07	5.6E-05	1.4E-03	2.6E-06	1.4E-03	3.8E-07	8.3E-07	1.1E-06	2.9E-07	1.6E-06	4.1E-06
Glasgow mach shop -6	0.175	1020	1.50	1.6E-06	9.0E-07	5.6E-05	1.4E-03	2.6E-06	1.4E-03	3.8E-07	8.3E-07	1.1E-06	2.9E-07	1.6E-06	4.1E-06
1718 Berry -1	0.165	1020	1.42	1.5E-06	8.5E-07	5.3E-05	1.3E-03	2.4E-06	1.3E-03	3.5E-07	7.8E-07	9.9E-07	2.7E-07	1.5E-06	3.9E-06
1710 Berry -1	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
1710 Berry -2	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
1604 Berry -1	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
1604 Berry -2	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
Pontiac North-1	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
Pontiac North-2	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
Pontiac North-3	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
Pontiac North-4	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
Pontiac North-5	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
Pontiac North-6	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
Pontiac North-7	0.700	1020	6.01	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
Pontiac South-1	4.000	1020	34.35	3.6E-05	2.1E-05	1.3E-03	3.1E-02	5.8E-05	3.2E-02	8.6E-06	1.9E-05	2.4E-05	6.5E-06	3.6E-05	9.4E-05
Pontiac South-2	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
Pontiac South-3	0.400	1020	3.44	3.6E-06	2.1E-06	1.3E-04	3.1E-03	5.8E-06	3.2E-03	8.6E-07	1.9E-06	2.4E-06	6.5E-07	3.6E-06	9.4E-06
Pontiac South-4	0.180	1020	1.55	1.6E-06	9.3E-07	5.8E-05	1.4E-03	2.6E-06	1.5E-03	3.9E-07	8.5E-07	1.1E-06	2.9E-07	1.6E-06	4.2E-06
Pontiac South-5	0.180	1020	1.55	1.6E-06	9.3E-07	5.8E-05	1.4E-03	2.6E-06	1.5E-03	3.9E-07	8.5E-07	1.1E-06	2.9E-07	1.6E-06	4.2E-06
				<b>1.06E-04</b>	<b>6.05E-05</b>	<b>3.78E-03</b>	<b>9.08E-02</b>	<b>1.72E-04</b>	<b>9.49E-02</b>	<b>2.52E-05</b>	<b>5.55E-05</b>	<b>7.06E-05</b>	<b>1.92E-05</b>	<b>1.06E-04</b>	<b>2.76E-04</b>

Potential Emission (tons/yr) **0.10**  
Single Worst HAP (tons/yr) **0.09**  
**Hexane**

**Methodology**

All emission factors are based on normal firing.  
MMBtu = 1,000,000 Btu  
MMCF = 1,000,000 Cubic Feet of Gas  
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03  
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu  
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton  
The five highest organic and metal HAPs emission factors are provided above.  
Additional HAPs emission factors are available in AP-42, Chapter 1.4.



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

100 N. Senate Avenue • Indianapolis, IN 46204  
(800) 451-6027 • (317) 232-8603 • [www.idem.IN.gov](http://www.idem.IN.gov)

**Eric J. Holcomb**  
Governor

**Bruno L. Pigott**  
Commissioner

October 6, 2020  
Vonnie Berry  
Deister Machine Company, Inc.  
1933 East Wayne Street  
Fort Wayne, Indiana 46803

Re: Public Notice  
Deister Machine Company, Inc.  
Permit Level: FESOP Significant Permit Revision  
(Minor PSD)  
Permit Number: 003-43039-00235

Dear Vonnie Berry:

Enclosed is the Notice of 30-Day Period for Public Comment for your draft air permit.

Our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person. The Notice of 30-Day Period for Public Comment has also been sent to the OAQ Permits Branch Interested Parties List and, if applicable, your Consultant/Agent and/or Responsible Official/Authorized Individual.

The preliminary findings, including the draft permit, technical support document, emission calculations, and other supporting documents, **are available electronically at:**

**IDEM's online searchable database:** <http://www.in.gov/apps/idem/caats/> . Choose Search Option by **Permit Number**, then enter permit 43039

and

**IDEM's Virtual File Cabinet (VFC):** <http://www.IN.gov/idem>. Enter VFC in the search box, then search for permit documents using a variety of criteria, such as Program area, date range, permit #, Agency Interest Number, or Source ID.

The Public Notice period will begin the date the Notice is published on the IDEM Official Public Notice website. Publication has been requested and is expected within 2-3 business days. You may check the exact Public Notice begins and ends date here: <https://www.in.gov/idem/5474.htm>

Please note that as of April 17, 2019, IDEM is no longer required to publish the notice in a newspaper.

OAQ has submitted the draft permit package to the Allen County Public Library (Main Branch), 900 Library Plaza in Fort Wayne Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the draft permit documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Mr. Paul Jump, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 4-6555 or dial (317) 234-6555.

Sincerely,  
*John F. Jackson*

John F. Jackson  
Permits Branch  
Office of Air Quality

Enclosures  
PN Applicant Cover Letter access via website 8/10/2020



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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**Eric J. Holcomb**  
*Governor*

**Bruno L. Pigott**  
*Commissioner*

October 6, 2020

To: Allen County Public Library (Main Branch)

From: Jenny Acker, Branch Chief  
Permits Branch  
Office of Air Quality

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

**Applicant Name: Deister Machine Company, Inc.**  
**Permit Number: 003-43039-00235**

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

If you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures  
PN Library updated 4/2019



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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**Eric J. Holcomb**  
Governor

**Bruno L. Pigott**  
Commissioner

## Notice of Public Comment

October 6, 2020

**Deister Machine Company, Inc.**  
**003-43039-00235**

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has posted on IDEM's Public Notice website at <https://www.in.gov/idem/5474.htm>.

The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

**Please Note:** *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Joanne Smiddie-Brush with the Air Permits Administration Section at 1-800-451-6027, ext. 3-0185 or via e-mail at [JBRUSH@IDEM.IN.GOV](mailto:JBRUSH@IDEM.IN.GOV). If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure  
PN AAA Cover Letter 2/28/2020

# Mail Code 61-53

IDEM Staff	JJACKSON DEISTER MACHINE CO INC 003-43039-00235 (draft)		October 6, 2020	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee
											Remarks
1		Vonnie Berry Deister Machine Co Inc 1933 E Wayne St Fort Wayne IN 46803 (Source CAATS)									
2		Daniel & Sandy Trimmer 15021 Yellow River Road Columbia City IN 46725 (Affected Party)									
3		Duane & Deborah Clark Clark Farms 6973 E. 500 S. Columbia City IN 46725 (Affected Party)									
4		Allen County Public Library - Main Branch 900 Library Plaza, PO Box 2270 Fort Wayne IN 46802 (Library)									
5		Fort Wayne City Council and Mayors Office 200 E Berry Street Ste 120 Fort Wayne IN 46802 (Local Official)									
6		Mr. Jeff Coburn Plumbers & Steamfitters, Local 166 2930 W Ludwig Rd Fort Wayne IN 46818-1328 (Affected Party)									
7		Roanoke Town Council P.O. Box 328 Roanoke IN 46783 (Local Official)									
8		Allen Co. Board of Commissioners 200 E Berry Street Ste 410 Fort Wayne IN 46802 (Local Official)									
9		Fort Wayne-Allen County Health Department 200 E Berry St Suite 360 Fort Wayne IN 46802 (Health Department)									
10		Mary Parson SES Environmental 3807 Transportation Dr Fort Wayne IN 46818 (Consultant)									
11		Lisa Green The Journal Gazette 600 W Main St Fort Wayne IN 46802 (Affected Party)									
12											
13											
14											
15											

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