

Tim Hough & Amber Sauer
Deister Machine Co. Inc.
1933 East Wayne Street
Fort Wayne, Indiana 46803

Re: **003-12647**
First Significant Revision to
FESOP 003-6845-00235

Dear Tim Hough & Amber Sauer:

Deister Machine Co. Inc. was issued a permit on July 3, 1997 for a vibrating screen manufacturing source. A letter requesting changes to this permit was received on August 22, 2000. 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.

The source is adding additional spray guns to their existing spray booths. They will also increase their usage of paint and glue. The source will now require a limit on VOC usage.

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Management (OAM).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

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 attach a copy of this modification and the following revised permit pages to the front of the original permit.

Deister Machine Co. Inc.
Fort Wayne, Indiana

Page 2 of 3
FESOP 003-12647-00235

Deister Machine Co. Inc.
Fort Wayne, Indiana

Page 3 of 3
FESOP 003-12647-00235

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Edward A. Longenberger, c/o OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

Attachments
EAL/MES

cc: File - Allen County
U.S. EPA, Region V
Allen County Health Department
Air Compliance Section Inspector - Jennifer Dorn
Compliance Data Section - Mendy Jones
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

**FEDERALLY ENFORCEABLE STATE
OPERATING PERMIT (FESOP)
and ENHANCED NEW SOURCE REVIEW
OFFICE OF AIR MANAGEMENT**

**Deister Machine Company, Inc.
1933 East Wayne Street
Ft. Wayne, IN 46803**

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR 70 and contains the conditions and provisions specified in 326 IAC 2-8 and 40 CFR 70.6 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments) and IC 13-15 and IC 13-17 (prior to July 1, 1996, IC 13-1-1-4 and IC 13-7-10).

Operation Permit No.: F 003-6845-00235	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: July 3, 1997
First Administrative Amendment No. AAF 003-9129-00235, Issued on April 3, 1998 First Minor Modification No. MMF 003-9825-00235, Issued on August 31, 1998 First Minor Revision No. MPR 003-10846-00235, Issued on May 12, 1999	
First Significant Revision: SPR 003-12647-00235	Sections Affected: A, C, D.1, D.2, D.3, and Quarterly Report Forms
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

TABLE OF CONTENTS		
Section	Description	Page No.
	COVER PAGE	1
	TABLE OF CONTENTS	2 - 3
A	SOURCE SUMMARY	4
A.1	General Information	
A.2	Emission Units and Pollution Control Summary	
A.3	Insignificant Activities	
A.4	FESOP Applicability [326 IAC 2-8-2]	
B	GENERAL CONDITIONS	5 - 13
B.1	General Requirements [IC13-15] [IC 13-17]	
B.2	Definitions [326 IAC 2-8-1]	
B.3	Permit Term [326 IAC 2-8-4(2)]	
B.4	Enforceability [326 IAC 2-8-6]	
B.5	Termination of Right to Operate [326 IAC 2-8-9]	
B.6	Severability [326 IAC 2-8-4(4)]	
B.7	Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]	
B.8	Duty to Supplement & Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)]	
B.9	Compliance Order Issuance [326 IAC 2-8-5(b)]	
B.10	Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]	
B.11	Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)]	
B.12	Annual Compliance Certification [326 IAC 2-8-5(a)(1)]	
B.13	Preventive Maintenance Plan [326 IAC 2-8-5(a)(1)] [326 IAC 2-8-4(9)] [326 IAC 1-6-3]	
B.14	Emergency Provision [326 IAC 2-8-12]	
B.15	Deviations from Permit Requirements and/or Conditions [326 IAC 2-8-4(3)(C)(ii)]	
B.16	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(a)] [326 IAC 2-8-8(b)] [326 IAC 2-8-8(c)]	
B.17	Permit Renewal [326 IAC 2-8-3(h)]	
B.18	Administrative Permit Amendment [326 IAC 2-8-10]	
B.19	Minor Permit Modification [326 IAC 2-8-11(a)] [326 IAC 2-8-11(b)(1) and (2)]	
B.20	Significant Permit Modification [326 IAC 2-8-11(d)]	
B.21	Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-8-11(b)(2)]	
B.22	Operational Flexibility [326 IAC 2-8-15]	
B.23	Construction Permit Requirement [326 IAC 2-1]	
B.24	Inspection and Entry [326 IAC 2-8-5(a)(2)]	
B.25	Annual Fee Payment [326 IAC 2-8-4(6)] [326 IAC 2-8-16]	

TABLE OF CONTENTS		
Section	Description	Page No.
C	SOURCE OPERATION CONDITIONS	14 - 18
D.1	FACILITY OPERATION CONDITIONS	19 - 23
	Glue hardener application area and five (5) spray booths	
	FORMS	
	Certification Form	24
	Deviation Forms (2)	25 - 26
	Reporting Forms (3)	27 - 29
	Total Number of Permit Pages	29
	Total Number of Forms	6
	Technical Support Document	20
	Appendix A of TSD: Emissions Calculations	2
	TSD Addendum	4

SECTION A SOURCE OPERATION CONDITIONS

A.1 General Information

The Permittee owns and operates a vibrating screen manufacturing facility.

Responsible Official: E. Mark Deister
Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803,
1710 East Berry Street, Fort Wayne, Indiana 46803,
901 Glasgow Street, Fort Wayne, Indiana 46803, and
2001 Pontiac Street, Fort Wayne, Indiana 46803
SIC Code: 3532
County Location: Allen
County Status: Attainment for all criteria pollutants
Source Status: FESOP Program

A.2 Emission Units and Pollution Control Summary

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

- (a) One (1) glue and hardener hand roller application area, identified as Unit #3, capacity: 0.33 units per hour.
- (b) One (1) spray booth, identified as Unit #4, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stacks S-1 and S-6, capacity: 0.33 units per hour.
- (c) One (1) spray booth, identified as Unit #5, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stacks S-2 and S-8, capacity: 0.10 units per hour.
- (d) One (1) spray booth, identified as Unit #6, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stack S-3, capacity: 1.50 units per hour.
- (e) One (1) spray booth, identified as Unit #7, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stacks S-4 and S-7, capacity: 0.33 units per hour.
- (f) One (1) spray booth, identified as Unit #8, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stack S-5, capacity: 0.33 units per hour.

A.3 Insignificant Activities

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(20):

- (a) Natural gas-fired combustion units with heat input capacities equal to or less than ten million (10,000,000) BTU per hour.
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: Welding Equipment.

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 Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) for a Federally Enforceable Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

- B.1 General Requirements [IC 13-15] [IC 13-17] (Prior to July 1, 1996: IC 13-7 and IC 13-1-1)
The permittee shall comply with the provisions of IC 13-15 (Permits Generally), IC 13-17 (Air Pollution Control) and the rules promulgated thereunder.
- B.2 Definitions [326 IAC 2-8-1]
Terms in this permit shall have the meaning assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, any applicable definitions found in IC 13-11 (prior to July 1, 1996, IC 13-7-2, IC 13-1-1-2), 326 IAC 1-2, and 326 IAC 2-7 shall prevail.
- B.3 Permit Term [326 IAC 2-8-4(2)]
This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-5-5-3 (prior to July 1, 1996, IC 13-7-10-2.5), of the permit.
- B.4 Enforceability [326 IAC 2-8-6]
(a) All terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM.
(b) Unless otherwise stated, terms and conditions of this permit, including any provisions to limit the source's potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA) and citizens under the Clean Air Act.
- B.5 Termination of Right to Operate [326 IAC 2-8-9]
The expiration of this permit terminates the Permittee's right to operate unless a timely and complete renewal application has been submitted consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-7.
- B.6 Severability [326 IAC 2-8-4(4)]
(a) The provisions of this permit are severable, and if any provisions of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.
(b) Indiana 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.
- B.7 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.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)]
(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management,
Permits Branch, Office of Air Management,
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The Permittee shall also provide additional information as requested by IDEM, OAM, to

determine the compliance status of the source in accordance with 326 IAC 2-8-5(a).

- (c) The Permittee shall furnish to IDEM, OAM, within a reasonable time, any information that the IDEM, OAM 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.
- (d) Upon written request, the Permittee shall also furnish to IDEM, OAM, copies of records required to be kept by this permit. For information claimed to be confidential, the Permittee shall furnish such records directly to both the U.S. EPA and IDEM, OAM, along with a claim of confidentiality.

Such confidentiality claims shall meet the requirements of 40 CFR Part 2, Subpart B (when submitting to U.S. EPA) and 326 IAC 17 (when submitting to IDEM, OAM).

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAM 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.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:

- (1) enforcement action;
- (2) permit termination, revocation and reissuance or modification; and
- (3) denial of a permit renewal application.

(b) 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.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)]

Any application form, report, or compliance certification submitted under this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification and any other certification required under this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

A responsible official is defined at 326 IAC 2-7-1(33).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

(a) The Permittee shall annually certify that the source has complied with the terms and conditions contained in this permit, including emission limitations, standards, and work practices. The certification shall be submitted July 1 to:

Indiana Department of Environmental Management,
Compliance Data Section, Office of Air Management,
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Deister Machine Company, Inc.
Ft. Wayne, Indiana
Permit Reviewer: Aaron Wiley

Significant Permit Revision 003-12647-00235
Revised by: MES

Page 8 of 35
FESOP No.: F 003-6845-00235

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

- (b) This annual compliance certification report required by this permit shall be timely if:
 - (1) Delivered by U.S. mail and postmarked on or before the date it is due; or
 - (2) Delivered by any other method if it is received and stamped by IDEM, OAM, on or before the date it is due.

- (c) The annual compliance certification report shall include the following:
 - (1) The identification of each term and 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; and
 - (5) Such other facts as IDEM, OAM, may require to determine the compliance status of the source.

B.13 Preventive Maintenance Plan [326 IAC 2-8-4(9)] [326 IAC 1-6-3]

- (a) The Permittee shall prepare, maintain and implement operation and Preventive Maintenance Plans as necessary including the following information on each:
 - (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;
 - (3) Corrective actions that will be implemented in the event an inspection indicates an out of specification situation;
 - (4) A time schedule for taking such corrective actions including a schedule for devising additional corrective actions for situations that may not have been predicted; and
 - (5) Identification and quantification of the replacement parts which will be maintained in inventory for quick replacement.

- (b) Preventive Maintenance Plans shall be submitted to IDEM, OAM, upon request and shall be subject to review and approval by IDEM, OAM.

B.14 Emergency Provision [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 as follows:

(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 describes 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 of this permit;
- (4) The Permittee notified IDEM, OAM, within four (4) daytime business hours after the beginning of the emergency occurrence by telephone or facsimile;

Telephone No.: 1-800-451-6027 (ask for Office of Air Management) or,
Telephone No.: 317-233-0178
Facsimile No.: 317-233-5967

(5) The Permittee submitted written notice or by facsimile of the emergency to:

Indiana Department of Environmental Management,
Compliance Branch, Office of Air Management,
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency. The notice shall fulfill 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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(C)(33).

- (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 any emergency or upset provision contained in 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision

contained in any applicable requirement.

- (e) IDEM, OAM, may require that the preventive maintenance plan required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

- (f) Failure to notify IDEM, OAM, by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (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 clause (B) above.

- B.15 Deviations from Permit Requirements and/or Conditions [326 IAC 2-8-4(3)(C)(ii)]
Deviations from requirements, (for emergencies see Condition B.14 - Emergency Provision) the probable cause of such deviations, and any corrective actions or preventive measures taken shall be reported to:

Indiana Department of Environmental Management,
Compliance Branch, Office of Air Management,
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ten (10) calendar days from the date of the discovery of the deviation.

Written notification shall be submitted on the attached Deviation Occurrence Reporting Forms.

- B.16 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(a)]
[326 IAC 2-8-8(b)] [326 IAC 2-8-8(c)]
- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a 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)]
 - (b) This permit shall be reopened and revised under any of the circumstances listed in IC 15-15-7-2 (prior to July 1, 1996, in IC 13-7-10-5) or if the commissioner determines any of the following:
 - (1) That it 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, OAM, 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 practical. [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, OAM, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAM, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 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, OAM, and shall include, at minimum, 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(20).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management,
Permits Branch, Office of Air Management,
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

- (b) Timely Submittal of Permit Renewal [326 IAC 2-5-3]
 - (1) The Permittee has a duty to submit a timely and complete permit renewal application. A timely renewal application is one that is:
 - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (B) Delivered by U.S. mail and postmarked on or before the date it is due; or
 - (C) Delivered by any other method if it is received and stamped by IDEM, OAM, on or before the date it is due.
 - (2) If IDEM, OAM 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.
- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]

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, OAM 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 in writing by IDEM, OAM, any additional information identified as needed to process the application.

- B.18 Administrative Permit Amendment [326 IAC 2-8-10]
- (a) An administrative permit amendment is a FESOP revision that makes changes of the type specified under 326 IAC 2-8-10(a).
 - (b) An administrative permit amendment may be made by IDEM, OAM, consistent with the procedures specified under 326 IAC 2-8-10(b).
 - (c) The Permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]
- B.19 Minor Permit Modification [326 IAC 2-8-11(a)] [326 IAC 2-8-11(b)(1) and (2)]
- (a) A permit modification is any revision to this permit that cannot be accomplished as an administrative permit amendment under 326 IAC 2-8-10.
 - (b) Minor permit modification procedures shall follow the procedures specified under 326 IAC 2-8-11(b)(1)(A) through (F).
 - (c) An application requesting the use of minor modification procedures shall meet the requirements of 326 IAC 2-8-3(c) and shall include the information required in 326 IAC 2-8-11(b)(3)(A) through (D).
 - (d) The Permittee may make the change proposed in its minor permit modification application immediately after it files such application unless the change is subject to the construction permit requirements of 326 IAC 2-1, 326 IAC 2-2, or 326 IAC 2-3. After the Permittee makes the change allowed under minor permit modification procedures, and until IDEM, OAM takes any of the actions specified in 326 IAC 2-8-11(b)(5), the Permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this period, the Permittee need not comply with the existing permit terms and conditions it seeks to modify. If the Permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against it. [326 IAC 2-8-11(b)(6)]
- B.20 Significant Permit Modification [326 IAC 2-8-11(d)]
- (a) Significant modification procedures shall be used for applications requesting permit modifications that do not qualify as minor permit modifications or as administrative amendments.
 - (b) Any significant change in existing monitoring permit terms or conditions and every relaxation of reporting or record keeping permit terms or conditions of this permit shall be considered significant.
 - (c) Nothing in 326 IAC 2-8-11(d) shall be construed to preclude the Permittee from making changes consistent with 326 IAC 2-8 that would render existing permit compliance terms and conditions irrelevant.
 - (d) Significant modifications of this permit shall meet all requirements of 326 IAC 2-8, including those for application, public participation, and review by the U.S. EPA, as they apply to permit issuance and renewal.
- B.21 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-8-11(b)(2)]
Notwithstanding 326 IAC 2-8-11(b)(1)(D)(i) and 326 IAC 2-8-11(c)(1), minor permit modification procedures may be used for modifications of this permit involving the use of economic incentives,

marketable FESOP's, emissions trading, and other similar approaches to the extent that such minor permit modification procedures are explicitly provided for in the applicable implementation plan (SIP) or in applicable requirements promulgated by the U.S. EPA.

B.22 Operational Flexibility [326 IAC 2-8-15]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d), without 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) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed therein as a rate of emissions or in terms of total emissions);
- (3) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
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

- (4) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review. Such records shall consist of all information required to be submitted to IDEM, OAM, in the notices specified in 326 IAC 2-8-15(b)(1), (c)(1), and (d).

(b) For each such change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

(c) Emission trades [326 IAC 2-8-15(c)]

The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject

to the constraints in section (a) of this condition and those in 326 IAC 2-8-15(c).

- (d) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
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) and subject to the constraints in section (a) of this condition and those in 326 IAC 2-8-15(d).

B.23 Construction Permit Requirement [326 IAC 2-1]

Prior to any change in the operation which may result in an increase in allowable emissions exceeding those specified in 326 IAC 2-1-1 (Construction and Operating Permit Requirements), the change must be approved by the Office of Air Management (OAM)

B.24 Inspection and Entry [326 IAC 2-8-5(a)(2)]

Upon presentation of IDEM identification cards, credentials, and other documents as may be required by law, the Permittee shall allow IDEM, OAM, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of demonstrating compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of demonstrating compliance with this permit or applicable requirements. [326 IAC 2-8-5(a)(4)]

B.25 Annual Fee Payment [326 IAC 2-8-4(6)] [326 IAC 2-8-16]

- (a) The Permittee shall pay annual fees to IDEM, OAM, consistent with the fee schedule established in 326 IAC 2-8-16.
- (b) Failure to pay may result in administrative enforcement action, revocation of this permit, referral to the Office of Attorney General for collection, or other appropriate measures.
- (c) The Permittee shall pay the annual fee within thirty (30) calendar days of receipt of a billing by IDEM, OAM or in a time period that is consistent with the payment schedule issued by IDEM, OAM.
- (d) If the Permittee does not receive a bill from IDEM, OAM, thirty (30) calendar days before due date, the Permittee shall call the following telephone numbers: 1-800-451-6027 or 317-233-0179 (ask for OAM, Data Support Section), to determine the appropriate permit fee. The applicable fee is due April 1 of each year.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations [326 IAC 2-8-4(1)]

- C.1 Overall Source Limit (326 IAC 2-8)
Pursuant to 326 IAC 2-8, emissions of any regulated pollutant from the entire source shall not exceed 99 tons per 365 consecutive day period. Emissions of hazardous air pollutants (HAPs) from the entire source shall not exceed 9.4 tons per 365 consecutive day period for any individual HAP of 24 tons per 365 consecutive day period of any combination of HAPs. Emissions shall include those from all emission points at the source including those that are insignificant as defined in 326 IAC 2-7-1(20). The source shall be allowed to add insignificant activities not already listed in this permit, as long as the total emissions from the source do not exceed the above specified limits. In the event that any condition or combination of conditions in Section D of this permit differs from the above, the most restrictive limit will prevail.
- C.2 Opacity
Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following:
- (a) Visible emissions shall not exceed an average of 40 percent opacity in 24 consecutive readings,
 - (b) Visible emissions shall not exceed 60 percent opacity for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period.
- C.3 Open Burning
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.
- C.4 Fugitive Dust Emissions
The Permittee shall be in violation of 326 IAC 6-4 if any of the criteria specified in 326 IAC 6-4-2 (1) through (4) are violated.
- C.5 Operation of Equipment [326 IAC 2-8-5(a)(4)]
- (a) All equipment that potentially might emit pollutants into the ambient air shall be properly operated and maintained.
 - (b) Unless otherwise stated in this permit, all air pollution control equipment listed in this permit shall be operated at all times that the emission unit(s) vented to the control equipment is in operation.
 - (c) The permittee shall perform all necessary maintenance and make all necessary attempts to keep all air pollution control equipment in proper operating condition at all times.

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

- C.6 Compliance Monitoring [326 IAC 2-8-4(3)]
Compliance with applicable requirements shall be documented in accordance with the provisions of 326

IAC 2-8-4(3). The Permittee shall be responsible for installing any necessary equipment and initiating any additional monitoring no more than ninety (90) days after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee shall notify:

Indiana Department of Environmental Management,
Compliance Data Section, Office of Air Management,
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

in writing, with full justification of the reasons for inability to meet this date and a schedule which it expects to meet. If a denial of the request is not received before the monitoring is fully implemented, the schedule shall be deemed approved. The notification shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(C)(33).

C.7 Maintenance of Monitoring Equipment [326 IAC 1-6]

The Permittee shall perform all necessary maintenance and make all necessary attempts to keep all required monitoring equipment in proper operating condition at all times. In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. Preventive maintenance plans of the monitors shall be implemented. In addition prompt correction, as indicated, shall be initiated within the time frames specified, whenever the parameters monitored fall outside of the indicated values.

C.8 Monitoring Methods [326 IAC 3]

Any monitoring or testing performed to meet the requirements of this permit shall be performed, whenever applicable according to the provisions of 326 IAC 3, or 40 CFR Part 60, Appendix A, as appropriate, unless some other method is specified in this permit.

C.9 Pressure Gauge Specifications

Whenever a condition in this permit requires the taking of pressure drop across any part of the unit or its control device the gauge employed shall have a scale such that the expected normal reading shall be no less than 20 percent of full scale and be accurate within ± 2 percent of full scale reading. The instrument shall be quality assured and maintained as specified by the vendor.

Corrective Actions [326 IAC 2-8-4] [326 IAC 2-8-5]

C.10 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. The compliance monitoring plan can be either an entirely new document, consist in whole of information contained in other documents, or consist of a combination of new information and information contained in other documents. If the compliance monitoring plan incorporates by reference information contained in other documents, the Permittee shall identify as part of the compliance monitoring plan the documents in which the information is found. The elements of the compliance monitoring plan are:

- (1) This condition;
- (2) The Compliance Determination Requirements in Section D of this permit;

- (3) The Compliance Monitoring Requirements in Section D of this permit;
 - (4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and
 - (5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAM upon request and shall be subject to review and approval by IDEM, OAM. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of:
 - (A) Reasonable response steps that may be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and
 - (B) A time schedule for taking reasonable response steps including a schedule for devising additional response steps for situations that may not have been predicted.
- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to take reasonable response steps may constitute a violation of the permit.
- (c) Upon investigation of a compliance monitoring excursion, the Permittee is excused from taking further response steps for any of the following reasons:
- (1) A false reading occurs due to the malfunction of the monitoring equipment. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.
 - (3) An automatic measurement was taken when the process was not operating.

- (4) The process has already returned or is returning to operating within “normal” parameters and no response steps are required.
- (d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (e) All monitoring required in Section D shall be performed at all times the equipment is operating. If monitoring is required by Section D and the equipment is not operating, then the Permittee may record the fact that the equipment is not operating or perform the required monitoring.
- (f) At its discretion, IDEM may excuse the Permittee’s failure to perform the monitoring and record keeping as required by Section D, if the Permittee provides adequate justification and documents that such failures do not exceed five percent (5%) of the operating time in any quarter. Temporary, unscheduled unavailability of qualified staff shall be considered a valid reason for failure to perform the monitoring or record keeping requirements in Section D.

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

C.11 Monitoring Data Availability

All observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions. Records shall be kept of the times that the equipment is not operating. If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality. If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded. At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed 5 percent of the operating time in any quarter. Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason.

C.12 General Record Keeping Requirements

- (a) Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location and available within one hour upon verbal request of an IDEM, OAM representative, for a minimum of three (3) years. They may be stored elsewhere for the remaining two years providing they are made available within thirty (30) days after written request.
- (b) Records of required monitoring information shall include:
 - (1) The date, place, and time of sampling or measurements;
 - (2) The dates analyses were performed;
 - (3) The company or entity performing the analyses;
 - (4) The analytic techniques or methods used;
 - (5) The results of such analyses; and

- (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include:
 - (1) Copies of all reports required by this permit;
 - (2) All original strip chart recordings for continuous monitoring instrumentation;
 - (3) All calibration and maintenance records;
 - (4) All preventive maintenance and corrective actions that were implemented. Such records shall briefly describe what was done and indicate who did it;
 - (5) Relevant work purchases orders;
 - (6) Quality assurance and quality control procedures;
 - (7) Operator's standard operating procedures;
 - (8) Manufacturer's specifications or their equivalent; and
 - (9) Equipment "troubleshooting" guidance.

C.13 General Reporting Requirements

- (a) Reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management,
Compliance Data Section, Office of Air Management,
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015
- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be timely if:
 - (1) Delivered by U.S. mail and postmarked on or before the date it is due; or
 - (2) Delivered by any other method if it is received and stamped by IDEM, OAM, on or before the date it is due.
- (c) All instances of deviations from any requirements of this permit must be clearly identified in such reports.
- (d) Any corrective actions taken as a result of an exceedance of a limit, an excursion from the parametric values, or a malfunction that may have caused excess emissions must be clearly identified in such reports.
- (e) The first report shall cover the period commencing the date of issuance of this permit and ending September 30, 1997.

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) One (1) glue and hardener hand roller application area, identified as Unit #3, capacity: 0.33 units per hour.
- (b) One (1) spray booth, identified as Unit #4, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stacks S-1 and S-6, capacity: 0.33 units per hour.
- (c) One (1) spray booth, identified as Unit #5, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stacks S-2 and S-8, capacity: 0.10 units per hour.
- (d) One (1) spray booth, identified as Unit #6, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stack S-3, capacity: 1.50 units per hour.
- (e) One (1) spray booth, identified as Unit #7, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stacks S-4 and S-7, capacity: 0.33 units per hour.
- (f) One (1) spray booth, identified as Unit #8, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stack S-5, capacity: 0.33 units per hour.

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

Construction Condition

Affidavit of Construction

D.1.1 Pursuant to 326 IAC 2-5.1-3,

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Management (OAM), Permit Administration & Development Section.
 - (1) If the Affidavit of Construction verifies that the facilities covered in this Construction Permit were constructed as proposed in the application, then the facilities may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM.
 - (2) If the Affidavit of Construction does not verify that the facilities covered in this Construction Permit were constructed as proposed in the application, then the Permittee shall receive an Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section prior to beginning operation of the facilities.
- (b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.

- (c) Upon receipt of the Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section, the Permittee shall attach it to this document.

Operation Conditions

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

D.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of coatings applied to the metal vibrating screens (including primer and base coats and glues) shall be limited to 3.5 pounds of VOCs per gallon of coating less water.

Solvent sprayed from application equipment during clean up or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

D.1.3 FESOP Limit and PSD Minor Limit [326 IAC 2-8][326 IAC 2-2] [40 CFR 52.21]

These facilities shall use less than 99.7 tons of VOC, including coatings, dilution solvents, and cleaning solvents, per 12 consecutive month period. This usage limit is required to limit the potential to emit of VOC from the entire source to less than 100 tons per 12 consecutive month period. Compliance with this limit makes 326 IAC 2-7 (Part 70), 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable.

D.1.4 Hazardous Air Pollutants

That the hazardous air pollutant emissions for these facilities shall be limited as follows:

- (a) The amount of any single hazardous air pollutant (HAP) delivered to the applicators plus the amount of any single hazardous air pollutant (HAP) used for clean-up shall be limited to less than 9.3 tons per 12 consecutive month period.
- (b) The amount of any combination of HAPs delivered to the applicators plus the amount of any combination of HAPs used for clean-up shall be limited to less than 24 tons per 12 consecutive month period.

Therefore, the requirements of 326 IAC 2-7 (Part 70) do not apply.

D.1.5 Particulate Matter Overspray

- (a) Pursuant to 326 IAC 6-3-2(c), the particulate matter (PM) overspray from the five (5) spray booths shall be limited by the following:

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

$$E = 4.10 P^{0.67} \quad \text{where} \quad E = \text{emission rate in pounds per hour} \\ P = \text{process weight rate in tons per hour.}$$

- (b) Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the one (1) glue and hardener hand roller application area shall be limited by the following:

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

$$E = 4.10 P^{0.67} \quad \text{where} \quad E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

D.1.6 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

Compliance Determination Requirements

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

(a) Compliance with the VOC content and usage limitations contained in Conditions D.1.2 and D.1.3 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAM, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

(b) When applying coatings to the metal vibrating screens which have VOC contents greater than 3.5 pounds of VOCs per gallon of coating less water, an alternative method of demonstrating compliance with the VOC content limitation specified in Condition D.1.2 shall be achieved through daily volume weighted averaging of all coatings applied pursuant to 326 IAC 8-1-2(a)(7). The daily volume weighted average shall be calculated based on the following equation:

$$\text{lb VOC/gal less water} = 3 \text{ coats} \left[\frac{\text{density, lb/gal} * \text{wt. \% organic} * \text{gal. of material, gal/unit}}{(1-\% \text{ vol. water} * \text{density coat, lb/gal})} \right] \\ \text{density water, lb/gal}$$

[3 coats, gal/unit].

D.1.8 VOC and HAP Emissions

Compliance with Condition D.1.3 shall be demonstrated within 30 days of the end of each month based on the total volatile organic compound usage for the most recent twelve (12) month period. Compliance with Condition D.1.4 shall be demonstrated within 30 days of the end of each month based on the total and individual HAP usage for the most recent twelve (12) month period.

D.1.9 Particulate Matter (PM)

The dry filters for PM control shall be in operation at all times when the five (5) spray booths are in operation.

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

D.1.10 Monitoring

- (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 spray booth stacks while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of 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. The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.
- (c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.11 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.2, D.1.3 and D.1.4, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC and HAP usage limits and the VOC and HAP emission limits established in Conditions D.1.2, D.1.3 and D.1.4.
 - (1) The amount, VOC, and HAP content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
 - (2) A log of the dates of use;
 - (3) The volume weighted VOC and HAP content of the coatings used on each day when a non-compliant coating or adhesive is used;
 - (4) The cleanup solvent usage for each month;
 - (5) The total VOC and HAP usage for each month; and
 - (6) The weight of VOC and HAPs emitted for each compliance period.

- ((b) To document compliance with Conditions D.1.9 and D.1.10, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.12 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.3 and D.1.4 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.

State Form 47738 (5-96)

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION**

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

Source Name: Deister Machine Company, Inc.
Source Address: 1933 East Wayne Street, Ft. Wayne, Indiana 46803
FESOP No.: F 003-6845-00235

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:

- 9 Deviation Occurrence Reporting Form (For Control Equipment Monitoring)
- 9 Deviation Occurrence Reporting Form (For Material Usage, Quality, Etc.)
- 9 Test Result (specify) _____
- 9 Report (specify) _____
- 9 Notification (specify) _____
- 9 Other (specify) _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

State Form 47739 (5-96)

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR MANAGEMENT
 COMPLIANCE DATA SECTION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
 DEVIATION OCCURRENCE REPORT
 (For Control Equipment Monitoring Only)**

Source Name: Deister Machine Company, Inc.
 Source Address: 1933 East Wayne Street, Ft. Wayne, Indiana 46803
 FESOP No.: F 003-6845-00235

If a deviation has occurred, a separate copy of this report must be submitted for each monitoring device on all control equipment listed in this permit. Attach a signed certification to complete this report.	
Stack/Vent ID:	
Control Equipment: (ex: thermal oxidizer, scrubber, baghouses)	
Type of Parameter Monitored: (ex: temperature, pressure drop, efficiency)	
<input type="checkbox"/> Continuously	<input type="checkbox"/> Periodically, at a frequency of:
Parameter Operating Restrictions/Range: (ex: 1,400°F, 2-4 psi pressure drop)	
Report Covers From: (date: month/day/yr)	To:
<input type="checkbox"/> No Deviations from the Parameter Restriction/Range Occurred During the Monitoring Period. Complete Records Maintained at the Facility Verify Compliance with this Condition.	
<input type="checkbox"/> Summary of Deviations from the Parameter Restriction/Range During the Monitoring Period are Identified Below. Complete Records Maintained at the Facility.	

	For Parameter Recorded Continuously	For Parameter Recorded Periodically
Total Unit Operating Time		
Total Time of Deviations (Identify All Deviations)		
Percent of Time Indicating Deviations ($\frac{T}{T1} \times 100$)		

Date of Deviation	Start/Stop Time of Deviation (Continuous Monitoring Only)	Actual Value Recorded	Reason for Deviation & Corrective Action Taken

State Form 47741 (5-96)

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION**

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

Source Name: Deister Machine Company, Inc.
Source Address: 1933 East Wayne Street, Ft. Wayne, Indiana 46803
FESOP No.: F 003-6845-00235

If a deviation has occurred, a separate copy of this report must be submitted for **each** material type, quantity usage and operation limitation (except control equipment monitoring) listed in this permit.
Attach a signed certification to complete this report.

Stack/Vent ID:

Equipment/Operation:

Parameter Subject to Material Type, Quantity Usage or Operation Limitations Specified in the Permit:
(ex: 2500 lb/day, 300 hours/yr, 5000 gallons/month)

Determination Period for this Parameter:
(ex: 365-day rolling sum, fixed monthly rate)

9 Permit Has No Rate Limitations for this Parameter.

Content Restriction for this Parameter:
(ex: maximum of 40% VOC in inks, 0.5% sulfur content)

Demonstration Method for this Parameter:
(ex: MSDS, Supplier, material sampling & analysis)

9 Permit Has No Content Limitations for this Parameter.

Comments:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR MANAGEMENT
 COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Deister Machine Company, Inc.
 Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803
 1710 East Berry Street, Fort Wayne, Indiana 46803
 901 Glasgow Street, Fort Wayne, Indiana 46803
 2001 Pontiac Street, Fort Wayne, Indiana 46803
 Mailing Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803
 FESOP No.: F003-6845-00235
 FESOP Revision No.: 003-10846
 Facility: Five (5) spray booths and one (1) glue and hardener application area
 Parameter: HAP usage
 Limit: Individual HAP: less than 9.3 tons per 12 consecutive month period

YEAR: _____

Month	Single HAP (tons)	Single HAP (tons)	Single HAP (tons)
	This Month	Previous 11 Months	12 Month Total

- 9 No deviation occurred in this quarter.
- 9 Deviation/s occurred in this quarter.
 Deviation has been reported on: _____

Submitted by: _____
 Title / Position: _____
 Signature: _____
 Date: _____
 Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Deister Machine Company, Inc.
Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803
1710 East Berry Street, Fort Wayne, Indiana 46803
901 Glasgow Street, Fort Wayne, Indiana 46803
2001 Pontiac Street, Fort Wayne, Indiana 46803
Mailing Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803
FESOP No.: F003-6845-00235
FESOP Revision No.: 003-10846
Facility: Five (5) spray booths and one (1) glue and hardener application area
Parameter: HAPs usage
Limit: Total HAPs: less than 24 tons per 12 consecutive month period

YEAR: _____

Month	Total HAP (tons)	Total HAP (tons)	Total HAP (tons)
	This Month	Previous 11 Months	12 Month Total

- 9 No deviation occurred in this quarter.
- 9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Deister Machine Company, Inc.
Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803
1710 East Berry Street, Fort Wayne, Indiana 46803
901 Glasgow Street, Fort Wayne, Indiana 46803
2001 Pontiac Street, Fort Wayne, Indiana 46803
Mailing Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803
FESOP No.: F003-6845-00235
FESOP Revision No.: SPR003-12647-00235
Facility: Five (5) spray booths and one (1) glue and hardener application area
Parameter: VOC Usage
Limit: Less than 99.7 tons per 12 consecutive month period

YEAR: _____

Month	VOC usage (tons)	VOC usage (tons)	VOC usage (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

A certification is not required for this report.

Deister Machine Company, Inc.
Ft. Wayne, Indiana
Permit Reviewer: Aaron Wiley

Significant Permit Revision 003-12647-00235
Revised by: MES

Page 35 of 35
FESOP No.: F 003-6845-00235

Indiana Department of Environmental Management Office of Air Management

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

Source Name:	Deister Machine Co. Inc.
Source Location:	1933 East Wayne Street, Fort Wayne, Indiana 46803
County:	Allen
SIC Code:	3532
Operation Permit No.:	F 003-6845-00235
Significant Permit Revision No.:	SPR 003-12647-00235
Permit Reviewer:	Edward A. Longenberger

On November 16, 2000, the Office of Air Management (OAM) had a notice published in the Fort Wayne Journal Gazette, Fort Wayne, Indiana, stating that Deister Machine Co., Inc. had applied for a Significant Permit Revision to a Federally Enforceable State Operating Permit (FESOP) to operate a vibrating screen manufacturing source with dry filters for overspray control. The notice also stated that OAM proposed to issue a Significant Permit Revision to a FESOP for this operation and provided information on how the public could review the proposed Significant Permit Revision to a FESOP and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this Significant Permit Revision to a FESOP should be issued as proposed.

On December 12, 2000, Amber Sauer of Deister Machine Company, Inc. submitted comments on the proposed Significant Permit Revision to a FESOP. The comments are as follows: The permit language, if changed, has deleted language as ~~strikeouts~~ and new language **bolded**.

Comment 1:

The table of contents shows "A.3 - Construction".

Response 1:

The table of contents has been changed in order to accurately represent the titles of the conditions:

A	SOURCE SUMMARY	4
A.1	General Information	
A.2	Emission Units and Pollution Control Summary	
A.3	Construction Insignificant Activities	
A.4	Insignificant Activities FESOP Applicability [326 IAC 2-8-2]	
A.5	FESOP Applicability [326 IAC 2-8-2]	

Comment 2:

The FESOP is missing the conditions regarding Affidavit of Construction.

Response 2:

The following condition has been added to Section D.1. All subsequent condition numbers have been

adjusted to reflect this change:

Construction Condition

Affidavit of Construction

D.1.1 Pursuant to 326 IAC 2-5.1-3,

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Management (OAM), Permit Administration & Development Section.**
 - (1) If the Affidavit of Construction verifies that the facilities covered in this Construction Permit were constructed as proposed in the application, then the facilities may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM.**
 - (2) If the Affidavit of Construction does not verify that the facilities covered in this Construction Permit were constructed as proposed in the application, then the Permittee shall receive an Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section prior to beginning operation of the facilities.**
- (b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.**
- (c) Upon receipt of the Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section, the Permittee shall attach it to this document.**

Operation Conditions

Comment 3:

Compliance Monitoring Plan is referenced in Condition D.1.9 (now Condition D.1.10) but does not describe it anywhere in the permit.

Response 3:

Condition D.1.9 (now D.1.10) references a Condition in Section C, "Compliance Monitoring Plan - Failure to Take Response Steps." This condition was formerly called "Failure to Take Corrective Action." Condition C.10 has been changed in order to contain the information referenced by Condition D.1.9 (now D.1.10):

~~C.10 Failure to Take Corrective Action~~

~~For each unit for which parametric monitoring is required, appropriate corrective actions as described in the Preventive Maintenance Plan shall be taken when indicated by monitoring information. Failure to take corrective action following an excursion of a surrogate monitoring parameter within the prescribed time will constitute a violation of the permit unless taking the corrective action set forth in the Plan would be unreasonable.~~

~~After investigating the reason for the excursion, the Permittee may be excused from taking further corrective action for any of the following reasons:~~

- ~~(a) Providing that prompt action was taken to correct the monitoring equipment, that the monitoring equipment malfunctioned, giving a false reading; or~~
- ~~(b) The Permittee has determined that the parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied; or~~
- ~~(c) An automatic measurement was taken when the process was not operating; or~~
- ~~(d) The Permittee determines that the process has already returned to operating within "normal" parameters and no corrective action is required.~~

~~Records shall be kept of all instances in which the action values were not met and of all corrective actions taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.~~

C.10 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. The compliance monitoring plan can be either an entirely new document, consist in whole of information contained in other documents, or consist of a combination of new information and information contained in other documents. If the compliance monitoring plan incorporates by reference information contained in other documents, the Permittee shall identify as part of the compliance monitoring plan the documents in which the information is found. The elements of the compliance monitoring plan are:**
 - (1) This condition;**
 - (2) The Compliance Determination Requirements in Section D of this permit;**
 - (3) The Compliance Monitoring Requirements in Section D of this permit;**
 - (4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and**
 - (5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAM, upon request and shall be subject to review and approval by IDEM, OAM. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of:**
 - (A) Reasonable response steps that may be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and**
 - (B) A time schedule for taking reasonable response steps including a**

schedule for devising additional response steps for situations that may not have been predicted.

- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to take reasonable response steps may constitute a violation of the permit.**
- (c) Upon investigation of a compliance monitoring excursion, the Permittee is excused from taking further response steps for any of the following reasons:**
 - (1) A false reading occurs due to the malfunction of the monitoring equipment. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.**
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.**
 - (3) An automatic measurement was taken when the process was not operating.**
 - (4) The process has already returned or is returning to operating within “normal” parameters and no response steps are required.**
- (d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.**
- (e) All monitoring required in Section D shall be performed at all times the equipment is operating. If monitoring is required by Section D and the equipment is not operating, then the Permittee may record the fact that the equipment is not operating or perform the required monitoring.**
- (f) At its discretion, IDEM may excuse the Permittee’s failure to perform the monitoring and record keeping as required by Section D, if the Permittee provides adequate justification and documents that such failures do not exceed five percent (5%) of the operating time in any quarter. Temporary, unscheduled unavailability of qualified staff shall be considered a valid reason for failure to perform the monitoring or record keeping requirements in Section D.**

Indiana Department of Environmental Management Office of Air Management

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

Source Background and Description

Source Name:	Deister Machine Co. Inc.
Source Location:	1933 East Wayne Street, Fort Wayne, Indiana 46803 1710 East Berry Street, Fort Wayne, Indiana 46803 901 Glasgow Street, Fort Wayne, Indiana 46803 2001 Pontiac Street, Fort Wayne, Indiana 46803
County:	Allen
SIC Code:	3532
Operation Permit No.:	F 003-6845-00235
Operation Permit Issuance Date:	July 3, 1997
Significant Permit Revision No.:	SPR 003-12647-00235
Permit Reviewer:	Edward A. Longenberger

The Office of Air Management (OAM) has reviewed a significant permit revision application from Deister Machine Co. Inc. relating to the construction and operation of additional spray guns in each of the existing spray booths, and the usage of additional paint and glue.

History

On August 22, 2000, Deister Machine Co. Inc. submitted an application to the OAM requesting to install additional spray guns to their existing spray booths, and to use additional paint and glue. Deister Machine Co. Inc. was issued a Federally Enforceable State Operating Permit (FESOP) on July 3, 1997. An Administrative Amendment was issued on April 3, 1998. A Minor Modification was issued on August 31, 1998, and a Minor Revision was issued on May 12, 1999.

Source Definition

This vibrating screen manufacturing source 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 are considered one (1) source. This determination was made in the review of Minor Permit Revision 003-10846-00235 to the FESOP 003-6845-00235.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the FESOP Significant Permit Revision be approved. This recommendation is based on the following facts and conditions:

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 August 22, 2000. Additional information was received on October 13, 2000.

Emission Calculations

See pages 1 and 2 of 2 of Appendix A of this document for detailed emissions calculations.

Potential To Emit of Revision

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source 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.”

This table reflects the PTE before controls for this revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	722
PM ₁₀	722
SO ₂	0.00
VOC	628
CO	0.00
NO _x	0.00

HAPs	Potential To Emit (tons/year)
Xylene	174
MIBK	104
Methylene Chloride	0.391

HAPs	Potential To Emit (tons/year)
Toluene	37.0
Ethyl Benzene	30.2
Trichloroethylene	3.49
TOTAL	349

Justification for Revision

The FESOP is being revised through a FESOP Significant Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-11.1(f)(1) since the potential to emit PM₁₀ and VOC from this revision is greater than twenty five (25) tons per year.

County Attainment Status

The source is located in Allen County.

Pollutant	Status
PM ₁₀	attainment
SO ₂	attainment
NO ₂	attainment
Ozone	attainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) and oxides of nitrogen (NO_x) are precursors for the formation of ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Allen County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.
- (b) Allen County has been classified as attainment or unclassifiable for all remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.

Source Status

Existing Source PSD or Emission Offset Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	73.91
PM ₁₀	73.91
SO ₂	0.02
VOC	71.25
CO	1.00
NO _x	3.51

- (a) This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of two-hundred fifty (250) tons per year or more, and it is not one of the 28 listed source categories.
- (b) These emissions are based upon information found in the TSD for Minor Permit Revision 003-10846-00235, issued on May 12, 1999, to the FESOP 003-6845-00235, issued on July 3, 1997.

Potential to Emit of Revision After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this FESOP revision.

Process/facility	Potential to Emit (tons/year)						
	PM	PM ₁₀	SO ₂	VOC	CO	NO _x	HAPs
Entire Source (five (5) spray booths and one (1) glue and hardener operation with Proposed Revision)	39.8	39.8	0.00	99.7	0.00	0.00	9.3/24.0
Insignificant Activities	2.62	2.62	0.02	0.21	1.00	3.51	0.09/0.09
Total (New FESOP Limit)	42.42	42.42	0.02	<100	1.00	3.51	9.4/24.09
Title V Threshold Level	-	100	100	100	100	100	10/25
PSD Threshold Level	250	250	250	250	250	250	-

- (a) This revision to an existing minor stationary source is not major because the emission increase is less than the PSD threshold levels. Therefore, pursuant to 326 IAC 2-2, and 40

CFR 52.21, the PSD requirements do not apply.

- (b) The VOC from the five (5) spray booths and one (1) glue and hardener operation is limited to 99.7 tons per year, and HAPs are limited to 9.3 tons per year for individual HAPs and 24.09 tons per year for total HAPs in order to qualify this source for a FESOP. The HAP limits are consistent with the original FESOP limits. The new PM, PM₁₀ and VOC FESOP limits will supercede the original FESOP limits.
- (c) This revision to the existing FESOP will **not** change the status of the stationary source because the emissions from the entire source will still be limited to less than the Part 70 major source thresholds.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this proposed revision.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14, 40 CFR Part 61, 40 CFR Part 62 and 40 CFR Part 63) applicable to this proposed revision.

State Rule Applicability - Individual Facilities

326 IAC 8-2-9 (Miscellaneous Metal Coating)

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volume weighted average volatile organic compound (VOC) content of coatings applied to metal vibrating screens (including primer and base coats and glues) shall be limited to 3.5 pounds of VOCs per gallon of coating less water, as delivered to the applicator for any calendar day.

Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

Based on the MSDS submitted by the source and calculations made, the five (5) spray booths which do not apply adhesive are in compliance with this requirement.

Because the VOC content of the glue used on the vibrating metal screens is greater than 3.5 pounds of VOCs per gallon of coating less water, an alternative method of demonstrating compliance with this rule is needed. Therefore, pursuant to AAF 003-9129-00235, issued on April 3, 1998, only on days when applying non-compliant coatings, compliance with this rule shall be achieved through daily volume weighted averaging of all coatings applied pursuant to 326 IAC 8-1-2(a)(7). The daily volume weighted average shall be calculated based on the following equation:

$$\text{lb VOC/gal less water} = \frac{3 \text{ coats} [\text{density, lb/gal} * \text{wt. \% organic} * \text{gal. of material, gal/unit} / (1 - \% \text{ vol. water} * \text{density coat, lb/gal})]}{\text{density water, lb/gal}}$$

[3 coats, gal/unit].

326 IAC 6-3-2 (Process Operations)

- (a) Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the five (5) spray booths shall be

limited by the following:

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

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

The dry filters shall be in operation at all times the spray booths are in operation, in order to comply with this limit.

- (b) Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the one (1) glue and hardener hand roller application area shall be limited by the following:

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

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAM, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

- (a) The five (5) spray booths have applicable compliance monitoring conditions as specified below:
- (1) 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 surface coating booth stack(s) while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

- (2) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.
- (3) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

These monitoring conditions are necessary because the dry filters must operate properly to ensure compliance with 326 IAC 6-3 (Process Operations) and 326 IAC 2-8 (FESOP).

Proposed Changes

In order to more accurately represent the emission units present at this source, Sections A and D have been amended as shown below. In an effort to reduce redundancy, all significant emission units have been included in Section D.1. Sections D.2 and D.3 have been completely eliminated. The permit now has one Quarterly Report Form for the individual HAP usage, and a separate Quarterly Report Form for the total HAPs usage. A Quarterly Report Form has been added for the VOC limit.

The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language appears in bold):

SECTION A SOURCE OPERATION CONDITIONS

A.1 General Information

The Permittee owns and operates a vibrating screen manufacturing facility.

Responsible Official: E. Mark Deister
Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803,
1710 East Berry Street, Fort Wayne, Indiana 46803,
901 Glasgow Street, Fort Wayne, Indiana 46803, and
2001 Pontiac Street, Fort Wayne, Indiana 46803

SIC Code: 3532
County Location: Allen
County Status: Attainment for all criteria pollutants
Source Status: FESOP Program

A.2 Emission Units and Pollution Control Summary

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

~~One (1) booth designated P1 and P2, consisting of:~~

~~(a) Five (5) air atomization applicators for applying paint primer and base coat to metal surfaces;
and~~

~~(b) Hand rollers for the application of glue.~~

~~A.3 Construction~~

~~The permit includes the following equipment to be installed at the source to replace the existing paint booth listed in A.2:~~

~~Up to three (3) booths consisting of a total of the following:~~

- ~~(a) Five (5) air atomization applicators for applying paint primer and base coat to metal surfaces; and~~
- ~~(b) Hand rollers for the application of glue. This facility shall be located at 1710 East Berry Street which has been determined to be an adjacent property.~~
- ~~(c) One (1) spray booth, identified as Glasgow, and one (1) spray booth, identified as Freuhoff, each equipped with one (1) air atomizer applicator with overspray emissions controlled by dry filters.~~
- (a) One (1) glue and hardener hand roller application area, identified as Unit #3, capacity: 0.33 units per hour.**
- (b) One (1) spray booth, identified as Unit #4, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stacks S-1 and S-6, capacity: 0.33 units per hour.**
- (c) One (1) spray booth, identified as Unit #5, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stacks S-2 and S-8, capacity: 0.10 units per hour.**
- (d) One (1) spray booth, identified as Unit #6, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stack S-3, capacity: 1.50 units per hour.**
- (e) One (1) spray booth, identified as Unit #7, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stacks S-4 and S-7, capacity: 0.33 units per hour.**
- (f) One (1) spray booth, identified as Unit #8, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stack S-5, capacity: 0.33 units per hour.**

A.43 Insignificant Activities

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(20):

- (a) Natural gas-fired combustion units with heat input capacities equal to or less than ten million (10,000,000) BTU per hour.**
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs:**
 - (1) Welding Equipment.**

A.54 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 Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) for a Federally Enforceable Operating Permit (FESOP).

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

Paint Booth (P1 & P2), consists of the following equipment:

- ~~(a) Five (5) air atomization applicators for applying paint primer and base coat to metal surfaces; and~~
- ~~(b) Hand rollers for the application of glue.~~
- (a) One (1) glue and hardener hand roller application area, identified as Unit #3, capacity: 0.33 units per hour.**
- (b) One (1) spray booth, identified as Unit #4, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stacks S-1 and S-6, capacity: 0.33 units per hour.**
- (c) One (1) spray booth, identified as Unit #5, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stacks S-2 and S-8, capacity: 0.10 units per hour.**
- (d) One (1) spray booth, identified as Unit #6, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stack S-3, capacity: 1.50 units per hour.**
- (e) One (1) spray booth, identified as Unit #7, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stacks S-4 and S-7, capacity: 0.33 units per hour.**
- (f) One (1) spray booth, identified as Unit #8, consisting of seven (7) spray guns, equipped with dry filters for overspray control and exhausting to Stack S-5, capacity: 0.33 units per hour.**

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

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

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of coatings applied to the metal vibrating screens (including primer and base coats and glues) shall be limited to 3.5 pounds of VOCs per gallon of coating less water.

Solvent sprayed from application equipment during clean up or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

D.1.2 FESOP Limit and PSD Minor Limit [326 IAC 2-8][326 IAC 2-2] [40 CFR 52.21]

These facilities shall use less than 99.7 tons of VOC, including coatings, dilution solvents, and cleaning solvents, per 12 consecutive month period. This usage limit is required to

limit the potential to emit of VOC from the entire source to less than 100 tons per 12 consecutive month period. Compliance with this limit makes 326 IAC 2-7 (Part 70), 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable.

D.1.23 Hazardous Air Pollutants

That the hazardous air pollutant emissions for **these facilities** ~~the entire source~~ shall be limited as follows:

- (a) The amount of any single hazardous air pollutant (HAP) delivered to the applicators plus the amount of any single hazardous air pollutant (HAP) used for clean-up shall be limited to **less than 9.3 tons per 12 consecutive month period.** ~~a fixed monthly rate of 0.78 tons per month.~~
- (b) The amount of any combination of HAPs delivered to the applicators plus the amount of any combination of HAPs used for clean-up shall be limited to **less than 24 tons per 12 consecutive month period.** ~~a fixed monthly rate of 2.0 tons per month.~~

Therefore, the requirements of 326 IAC 2-7 (**Part 70**) do not apply.

D.1.34 Particulate Matter Overspray

- (a) Pursuant to 326 IAC 6-3-2(c), the particulate matter (PM) overspray from the **five (5) spray booths** ~~paint booth (P1 & P2)~~ shall be limited by the following:

Interpolation ~~and extrapolation~~ of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

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

where E = emission rate in pounds per hour
P = process weight rate in tons per hour.

- (b) Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the one (1) glue and hardener hand roller application area shall be limited by the following:

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

$$E = 4.10 P^{0.67} \quad \text{where} \quad E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

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

Testing of this facility is not required by this permit. ~~This does not preclude testing requirements on this facility under 326 IAC 2-1-4(f).~~

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

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

Compliance Determination Requirements

D.1.3 ~~3~~6 Volatile Organic Compounds (VOC) [326 IAC 8-1-2(a)]

- (a) Compliance with the VOC content and usage limitations contained in Conditions D.1.1 and D.1.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAM, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.**
- (b) When applying coatings to the metal vibrating screens which have VOC contents greater than 3.5 pounds of VOCs per gallon of coating less water, an alternative method of demonstrating compliance with the VOC content limitation specified in condition D.1.1 shall be achieved through daily volume weighted averaging of all coatings applied pursuant to 326 IAC 8-1-2(a)(7). The daily volume weighted average shall be calculated based on the following equation:**

$$\frac{\text{lb VOC/gal less water} = 3 \text{ coats} [\text{density, lb/gal} * \text{wt. \% organic} * \text{gal. of material, gal/unit}] / (1 - \% \text{ vol. water} * \text{density coat, lb/gal})}{\text{density water, lb/gal}}$$

[3 coats, gal/unit].

D.1.7 VOC and HAP Emissions

Compliance with Condition D.1.2 shall be demonstrated within 30 days of the end of each month based on the total volatile organic compound usage for the most recent twelve (12) month period. Compliance with Condition D.1.3 shall be demonstrated within 30 days of the end of each month based on the total and individual HAP usage for the most recent twelve (12) month period.

D.1.8 Particulate Matter (PM)

The dry filters for PM control shall be in operation at all times when the five (5) spray booths are in operation.

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

D.1.9 Monitoring

-
- (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 spray booth stacks while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of 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. The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered**

a violation of this permit.

- (c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.10 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.1, D.1.2 and D.1.3, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC and HAP usage limits and the VOC and HAP emission limits established in Conditions D.1.1, D.1.2 and D.1.3.
- (1) The amount, VOC, and HAP content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
 - (2) A log of the dates of use;
 - (3) The volume weighted VOC and HAP content of the coatings used on each day when a non-compliant coating or adhesive is used;
 - (4) The cleanup solvent usage for each month;
 - (5) The total VOC and HAP usage for each month; and
 - (6) The weight of VOC and HAPs emitted for each compliance period.
- (b) To document compliance with Conditions D.1.8 and D.1.9, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.11 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.2 and D.1.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.

~~D.1.4 Particulate Matter Overspray~~

~~Daily inspections shall be performed to verify the placement, integrity, and particle loading of the filters. To document compliance with D.1.3, observations shall be made daily of the overspray while one or more of the booths are in operation. A trained employee will record whether emissions are normal or abnormal. A trained employee is an employee who has worked at the plant at least one month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.~~

~~Weekly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when an overspray emission, evidence of an overspray emission, or other abnormal emission is observed. Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.~~

~~D.1.5 Volatile Organic Compound and HAPs~~

~~The type and amount of coatings and solvents used, the amount of VOCs delivered to the applicator, the amount of a worst case single HAP delivered to the applicator, and the amount of any combination of HAPs delivered to the applicator must be monitored and recorded on a daily basis. The HAP usage information must be reported to OAM on a quarterly basis. Material Safety Data Sheets (MSDS) must be kept on file for each coating and solvent used.~~

~~D.1.6 Preventive Maintenance Plan [326 IAC 2-8-4(a)]~~

~~A Preventive Maintenance Plan in accordance with Section B.13 of this permit, is required for this facility.~~

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

~~D.1.7 Record Keeping Requirements~~

~~The Permittee shall maintain records to document compliance with Conditions D.1.1 and D.1.2. These records shall be maintained in accordance with Section C - General Record Keeping Requirements. These records shall include a minimum of the following:~~

- ~~(a) The weight of VOC and HAP containing material used, including purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used;~~
- ~~(b) A log of the dates of use;~~
- ~~(c) The VOC and HAP content (weight percent) of each material used;~~
- ~~(d) The weight of HAPs emitted for each compliance period, considering capture and control efficiency, the amount disposed of as waste, if applicable; and~~
- ~~(e) A log of daily usage of VOC content of each coating to document compliance with Condition D.1.1 (daily volume-weighted average of all coatings applied in a coating line, pounds per gallon less water).~~

~~Records maintained for (a) through (e) of this condition shall be taken daily and shall be complete and sufficient to establish compliance with the VOC usage limits and HAP emission limits established in Condition D.1.1 and D.1.2.~~

~~D.1.8 Quarterly Reporting~~

~~That a quarterly summary to document compliance with operation condition number D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, using the enclosed forms or their equivalent, within thirty (30) days after the end of the quarter being reported.~~

SECTION D.2 FACILITY OPERATION CONDITIONS

The modification of the Deister Machine Company, Inc., to update the equipment includes the removal of the existing paint booth and the installation of up to three (3) paint booths and two (2) natural gas-fired make-up units each rated at 2.0 million Btu per hour.

The three (3) booths consisting of a total of the following:

- (a) Five (5) air atomization applicators for applying paint primer and base coat to metal surfaces; and
- (b) Hand rollers for the application of glue. This facility shall be located at 1710 East Berry Street which has been determined to be an adjacent property.

~~THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1 AND 40 GFR 52.780, WITH CONDITIONS LISTED BELOW:~~

~~Construction Conditions [326 IAC 2-1-3.2]~~

~~General Construction Conditions~~

~~D.2.1 The data and information supplied with the application shall be considered part of this permit. Prior to any proposed change in construction which may affect allowable emissions, the change must be approved by the Office of Air Management (OAM):~~

~~D.2.2 This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17), and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements:~~

~~Effective Date of the Permit~~

~~D.2.3 Pursuant to IC 13-15-5-3, this section of this permit becomes effective upon its issuance.~~

~~D.2.4 Pursuant to 326 IAC 2-1-9(b) (Revocation of Permits), IDEM, OAM may revoke this section of the approved permit if construction is not commenced within eighteen (18) months after receipt of this permit or if construction is suspended for a continuous period of one (1) year or more:~~

~~D.2.5 All requirements of these construction conditions shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules):~~

~~First Time Operation Permit~~

~~D.2.6 This document shall also become the first-time operation permit for the facilities under this section of this permit, pursuant to 326 IAC 2-1-4 (Operating Permits) when, prior to start of operation, the following requirements are met:~~

- (a) The attached affidavit of construction shall be submitted to:

Indiana Department of Environmental Management
Permit Administration & Development Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015

Indianapolis, Indiana 46206-6015

verifying that the facilities were constructed as proposed in the application. The facilities covered in this section of this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM:

- (b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.
- (c) The permittee shall receive an Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section and attach it to this permit.
- (d) As soon as the new spray booths are constructed, the old spray booth shall be removed in order to keep the potential to emit of VOC below the 100 tons per year limit as specified in Section C.1.

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

~~D.2.7 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]~~

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of coatings applied to the metal vibrating screens (including primer and base coats and glues) shall be limited to 3.5 pounds of VOCs per gallon of coating less water.

Solvent sprayed from application equipment during clean up or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

~~D.2.8 Hazardous Air Pollutants~~

That the hazardous air pollutant emissions for the entire source shall be limited as follows:

- (a) The amount of any single hazardous air pollutant (HAP) delivered to the applicator plus the amount of any single hazardous air pollutant (HAP) used for clean-up shall be limited to a fixed monthly rate of 0.78 tons per month.
- (b) The amount of any combination of HAPs delivered to the applicator plus the amount of any combination of HAPs used for clean-up shall be limited to a fixed monthly rate of 2.0 tons per month.

Therefore, the requirements of 326 IAC 2-7 do not apply.

~~D.2.9 Particulate Matter Overspray~~

Pursuant to 326 IAC 6-3-2(c), the particulate matter (PM) overspray from the paint booths shall be limited by the following:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

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

where E = emission rate in pounds per hour
P = process weight rate in tons per hour.

~~These records shall be maintained in accordance with Section C – General Record Keeping Requirements. These records shall include a minimum of the following:~~

- ~~(a) — The weight of VOC and HAP containing material used, including purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used;~~
- ~~(b) — A log of the dates of use;~~
- ~~(c) — The VOC and HAP content (weight percent) of each material used;~~
- ~~(d) — The weight of HAPs emitted for each compliance period, considering capture and control efficiency, the amount disposed of as waste, if applicable; and~~
- ~~(e) — A log of daily usage of VOC content of each coating to document compliance with Condition D.2.7 (daily volume-weighted average of all coatings applied in a coating line, pounds per gallon less water).~~

~~Records maintained for (a) through (e) of this condition shall be taken daily and shall be complete and sufficient to establish compliance with the VOC usage limits and HAP emission limits established in Condition D.2.7 and D.2.8.~~

~~D.2.14 Reporting Requirements~~

~~That a quarterly summary to document compliance with operation condition number D.2.8 shall be submitted to the address listed in Section C – General Reporting Requirements, using the reporting forms or their equivalent located at the end of this permit, within thirty (30) days after the end of the quarter being reported.~~

~~SECTION D.3 FACILITY OPERATION CONDITIONS~~

~~Facility Description [326 IAC 2-8-4(10)] One (1) spray booth, identified as Glasgow, and one (1) spray booth, identified as Freuhoff, with a maximum capacity of 1 and 0.0208 units per hour respectively each equipped with one (1) air atomizer applicator with overspray emissions controlled by dry filters.~~

~~Emissions Limitations and Standards [326 IAC 2-8-4(1)]~~

~~D.3.1 Volatile Organic Compound (VOC) [326 IAC 8-2-9]~~

~~Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volume weighted average volatile organic compound (VOC) content of coating applied to metal vibrating screens (including primer and base coats and glue) shall be limited to 3.5 pounds of VOCs per gallon of coating less water, as delivered to the applicator for any calendar day.~~

~~Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.~~

~~D.3.2 Hazardous Air Pollutants~~

~~The hazardous air pollutants emissions from the entire source shall be limited as follows:~~

- ~~(a) — The amount of any single hazardous air pollutant (HAP) delivered to the applicator plus the amount of any single hazardous air pollutant (HAP) used for clean-up shall be limited to~~

less than 10 tons per 12 consecutive month period.

- (b) — The amount of any combination of HAPs delivered to the applicator plus the amount of any combination of HAPs used for clean-up shall be limited to less than 25 tons per 12 consecutive month period.

Therefore, the requirements of 326 IAC 2-7 do not apply.

~~D.3.3 Particulate Matter (PM) [326 IAC 6-3-2(c)]~~

~~The PM emissions from the two (2) spray booths, Glasgow and Freuhoff, shall not exceed the pound per hour emission rate established as E in the following formula:~~

~~Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:~~

$$E = 4.10 P^{0.67} \text{ where } E = \text{rate of emission in pounds per hour; and } P = \text{process weight rate in tons per hour}$$

~~D.3.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.~~

Compliance Determination Requirements

~~D.3.5 Testing Requirements [326 IAC 2-8-5(a)(1), (4)][326 IAC 2-1-1-11]~~

~~The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.3.3 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.~~

~~D.3.6 Volatile Organic Compounds (VOC)~~

~~Compliance with the VOC content limitation contained in Conditions D.3.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.~~

~~D.3.7 HAP Emissions~~

~~Compliance with Condition D.3.2 shall be demonstrated within 30 days of the end of each month based on the total and individual HAP usage for the most recent twelve (12) month period.~~

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

~~D.3.8 Particulate Matter (PM)~~

~~The dry filters for PM control shall be in operation at all times when the two (2) surface coating booths (Glasgow and Freuhoff) are in operation.~~

~~D.3.9 Monitoring~~

- ~~(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 surface coating booth stack(s) while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a~~

~~condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of 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. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.~~
- ~~(c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.~~

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.3.10 Record Keeping Requirements

- ~~(a) To document compliance with Conditions D.3.1 and D.3.2, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC and HAP usage limits and/or the VOC and HAP emission limits established in Condition D.3.1 and D.3.2:~~
- ~~(1) The amount, VOC, and HAP content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;~~
- ~~(2) A log of the dates of use;~~
- ~~(c) The volume weighted VOC and HAP content of the coatings used for each month;~~
- ~~(4) The cleanup solvent usage for each month;~~
- ~~(5) The total VOC and HAP usage for each month; and~~
- ~~(6) The weight of VOC and HAPs emitted for each compliance period.~~
- ~~(b) To document compliance with Condition D.3.8 and D.3.9, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.~~
- ~~(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~

D.3.11 Reporting Requirements

~~A quarterly summary of the information to document compliance with Condition D.3.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit;~~

using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR MANAGEMENT
 COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Deister Machine Company, Inc.
 Source Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803
 1710 East Berry Street, Fort Wayne, Indiana 46803
 901 Glasgow Street, Fort Wayne, Indiana 46803
 2001 Pontiac Street, Fort Wayne, Indiana 46803
 Mailing Address: 1933 East Wayne Street, Fort Wayne, Indiana 46803
 FESOP No.: F003-6845-00235
 FESOP Revision No.: 003-10846
 Facility: ~~All new and existing surface coating booths~~ **Five (5) spray booths and one (1) glue and hardener application area**
 Parameter: HAP usage
 Limit: Individual HAP: less than ~~40~~ **9.3** tons per 12 consecutive month period

YEAR: _____

Month	Column 1 Single HAP (tons)	Column 2 Single HAP (tons)	Column 1 + Column 2 Single HAP (tons)
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

- 9 No deviation occurred in this quarter.
- 9 Deviation/s occurred in this quarter.
 Deviation has been reported on: _____

Submitted by: _____
 Title / Position: _____

Deister Machine Co. Inc.
Fort Wayne, Indiana
Permit Reviewer: EAL/MES

Page 22 of 22
Significant Permit Revision No.: 003-12647-00235

Signature: _____
Date: _____
Phone: _____

Conclusion

The construction of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No. 003-12647-00235.

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

Company Name: Deister Machine Co. Inc.
Address City IN Zip: 1933 East Wayne Street, Fort Wayne, Indiana 46803
FESOP Significant Revision: 003-12647
Plt ID: 003-00235
Reviewer: Edward A. Longenberger
Date: August 22, 2000

Material	Density (lbs/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (units/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)	Particulate Potential (tons/yr)	lbs VOC/gal solids	Transfer Efficiency			
Unit #3																			
SC2000 Cement & UT-R20 Hardener	12.04	81.70%	0.0%	81.7%	0.0%	0.00%	0.82000	0.330	9.84	9.84	2.66	63.88	11.66	0.00	ERR	100%			
Unit #4																			
Dk Gray LF Hi-Solids Primer	11.24	28.90%	0.0%	28.9%	0.0%	48.90%	15.00000	0.330	3.25	3.25	16.08	385.91	70.43	95.30	6.64	45%			
Diester Sandstone High Solid Enamel	9.58	33.70%	0.0%	33.7%	0.0%	48.40%	15.00000	0.330	3.23	3.23	15.98	383.54	70.00	75.74	6.67	45%			
Quick Dry Enamel	9.49	34.60%	0.0%	34.6%	0.0%	44.70%	15.00000	0.330	3.28	3.28	16.25	390.08	71.19	74.01	7.35	45%			
Unit #5																			
Dk Gray LF Hi-Solids Primer	11.24	28.90%	0.0%	28.9%	0.0%	48.90%	10.00000	0.100	3.25	3.25	3.25	77.96	14.23	19.25	6.64	45%			
Diester Sandstone High Solid Enamel	9.58	33.70%	0.0%	33.7%	0.0%	48.40%	10.00000	0.100	3.23	3.23	3.23	77.48	14.14	15.30	6.67	45%			
Quick Dry Enamel	9.49	34.60%	0.0%	34.6%	0.0%	44.70%	10.00000	0.100	3.28	3.28	3.28	78.80	14.38	14.95	7.35	45%			
Unit #6																			
Dk Gray LF Hi-Solids Primer	11.24	28.90%	0.0%	28.9%	0.0%	48.90%	0.15000	1.500	3.25	3.25	0.73	17.54	3.20	4.33	6.64	45%			
Diester Sandstone High Solid Enamel	9.58	33.70%	0.0%	33.7%	0.0%	48.40%	0.15000	1.500	3.23	3.23	0.73	17.43	3.18	3.44	6.67	45%			
Quick Dry Enamel	9.49	34.60%	0.0%	34.6%	0.0%	44.70%	0.15000	1.500	3.28	3.28	0.74	17.73	3.24	3.36	7.35	45%			
Unit #7																			
Dk Gray LF Hi-Solids Primer	11.24	28.90%	0.0%	28.9%	0.0%	48.90%	15.00000	0.330	3.25	3.25	16.08	385.91	70.43	95.30	6.64	45%			
Diester Sandstone High Solid Enamel	9.58	33.70%	0.0%	33.7%	0.0%	48.40%	15.00000	0.330	3.23	3.23	15.98	383.54	70.00	75.74	6.67	45%			
Quick Dry Enamel	9.49	34.60%	0.0%	34.6%	0.0%	44.70%	15.00000	0.330	3.28	3.28	16.25	390.08	71.19	74.01	7.35	45%			
Unit #8																			
Dk Gray LF Hi-Solids Primer	11.24	28.90%	0.0%	28.9%	0.0%	48.90%	15.00000	0.330	3.25	3.25	16.08	385.91	70.43	95.30	6.64	45%			
Diester Sandstone High Solid Enamel	9.58	33.70%	0.0%	33.7%	0.0%	48.40%	15.00000	0.330	3.23	3.23	15.98	383.54	70.00	75.74	6.67	45%			
Quick Dry Enamel	9.49	34.60%	0.0%	34.6%	0.0%	44.70%	15.00000	0.330	3.28	3.28	16.25	390.08	71.19	74.01	7.35	45%			
State Potential Emissions											Add worst case coating to all solvents		Uncontrolled		160	3829.43	699	796	
METHODOLOGY											Control Efficiency		95.0%	Controlled		160	3829.43	699	39.8
											Previous Potential			Increase due to Modification				71.3	73.9
																		628	722

Pounds of VOC per Gallon Coating less Water = (Density (lbs/gal) * Weight % Organics) / (1-Volume % water)
Pounds of VOC per Gallon Coating = (Density (lbs/gal) * Weight % Organics)
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lbs/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

**Appendix A: Emission Calculations
HAP Emission Calculations**

Company Name: Deister Machine Co. Inc.
Address City IN Zip: 1933 East Wayne Street, Fort Wayne, IN 46803
FESOP Significant Revision: 003-12647
Plt ID: 003-00235
Reviewer: Edward A. Longenberger
Date: August 22, 2000

Material	Density (lbs/gal)	Gallons of Material * (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % MIBK	Weight % Methylene Chloride	Weight % Toluene	Weight % Ethyl Benzene	Weight % Trichloroethylene	Xylene Emissions (tons/yr)	MIBK Emissions (tons/yr)	Methylene Chloride Emissions (tons/yr)	Toluene Emissions (tons/yr)	Ethyl Benzene Emissions (tons/yr)	Trichloroethylene Emissions (tons/yr)
Unit #3															
SC2000 Cement	12.08	0.78720	0.330	0.00%	0.00%	0.00%	0.00%	0.00%	82.00%	0.00	0.00	0.00	0.00	0.00	11.27
UT-R20 Hardener	11.01	0.03280	0.330	0.00%	0.00%	75.00%	0.00%	0.00%	0.00%	0.00	0.00	0.39	0.00	0.00	0.00
Unit #4															
Dk Gray LF Hi-Solids Primer	11.47	14.25000	0.330	14.30%	6.39%	0.00%	4.94%	3.09%	0.00%	33.78	15.10	0.00	11.67	7.30	0.00
Diester Sandstone High Solid Enamel	9.73	14.25000	0.330	5.89%	8.71%	0.00%	0.00%	1.11%	0.00%	11.80	17.46	0.00	0.00	2.22	0.00
Quick Dry Enamel	9.63	14.25000	0.330	6.41%	0.00%	0.00%	0.00%	0.00%	0.00%	12.71	0.00	0.00	0.00	0.00	0.00
Unit #5															
Dk Gray LF Hi-Solids Primer	11.47	9.50000	0.100	14.30%	6.39%	0.00%	4.94%	3.09%	0.00%	6.82	3.05	0.00	2.36	1.47	0.00
Diester Sandstone High Solid Enamel	9.73	9.50000	0.100	5.89%	8.71%	0.00%	0.00%	1.11%	0.00%	2.38	3.53	0.00	0.00	0.45	0.00
Quick Dry Enamel	9.63	9.50000	0.100	6.41%	0.00%	0.00%	0.00%	0.00%	0.00%	2.57	0.00	0.00	0.00	0.00	0.00
Unit #6															
Dk Gray LF Hi-Solids Primer	11.47	0.14250	1.500	14.30%	6.39%	0.00%	4.94%	3.09%	0.00%	1.54	0.69	0.00	0.53	0.33	0.00
Diester Sandstone High Solid Enamel	9.73	0.14250	1.500	5.89%	8.71%	0.00%	0.00%	1.11%	0.00%	0.54	0.79	0.00	0.00	0.10	0.00
Quick Dry Enamel	9.63	0.14250	1.500	6.41%	0.00%	0.00%	0.00%	0.00%	0.00%	0.58	0.00	0.00	0.00	0.00	0.00
Unit #7															
Dk Gray LF Hi-Solids Primer	11.47	14.25000	0.330	14.30%	6.39%	0.00%	4.94%	3.09%	0.00%	33.78	15.10	0.00	11.67	7.30	0.00
Diester Sandstone High Solid Enamel	9.73	14.25000	0.330	5.89%	8.71%	0.00%	0.00%	1.11%	0.00%	11.80	17.46	0.00	0.00	2.22	0.00
Quick Dry Enamel	9.63	14.25000	0.330	6.41%	0.00%	0.00%	0.00%	0.00%	0.00%	12.71	0.00	0.00	0.00	0.00	0.00
Unit #8															
Dk Gray LF Hi-Solids Primer	11.47	14.25000	0.330	14.30%	6.39%	0.00%	4.94%	3.09%	0.00%	33.78	15.10	0.00	11.67	7.30	0.00
Diester Sandstone High Solid Enamel	9.73	14.25000	0.330	5.89%	8.71%	0.00%	0.00%	1.11%	0.00%	11.80	17.46	0.00	0.00	2.22	0.00
Quick Dry Enamel	9.63	14.25000	0.330	6.41%	0.00%	0.00%	0.00%	0.00%	0.00%	12.71	0.00	0.00	0.00	0.00	0.00
Individual Total										189	106	0.391	37.9	30.9	11.3
Overall Total										376					

METHODOLOGY

* The gallons of material per unit for the Enamels and Primers represent the amount of paint applied excluding the acetone. The densities are 'as supplied'.

HAPS emission rate (tons/yr) = Density (lbs/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs