



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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

Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding the Renewal of a
Federally Enforceable State Operating Permit (FESOP)

for Stedman Machine Company in Dearborn County (Center Township)

FESOP Renewal No.: F029-40096-00006

The Indiana Department of Environmental Management (IDEM) has received an application from Stedman Machine Company located at 129 Franklin Street, Aurora, IN 47001 for a renewal of its FESOP issued on August 5, 2014. If approved by IDEM's Office of Air Quality (OAQ), this proposed renewal would allow Stedman Machine Company to continue to operate its existing source.

This draft FESOP does not contain any new equipment that would emit air pollutants; however, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). This notice fulfills the public notice procedures to which those conditions are subject. IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow for these changes.

A copy of the permit application and IDEM's preliminary findings are available at:

Aurora Public Library
414 Second Street
Aurora, IN 47001

and

IDEM Southeast Regional Office
820 West Sweet Street
Brownstown, IN 47220-9557

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

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

How can you participate in this process?

The date that this notice is published in a newspaper marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

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

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

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number F029-40096-00006 in all correspondence.

Comments should be sent to:

Tamara Havics
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 2-8219
Or dial directly: (317) 232-8219
Fax: (317) 232-6749 attn: Tamara Havics
E-mail: THavics@idem.IN.gov


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

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

What will happen after IDEM makes a decision?

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

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



Tripurari P. Sinha, Ph.D., Section Chief
Permits Branch
Office of Air Quality



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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

Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

DRAFT

Federally Enforceable State Operating Permit Renewal OFFICE OF AIR QUALITY

**Stedman Machine Company
129 Franklin Street
Aurora, Indiana 47001**

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

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

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

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

Operation Permit No.: F029-40096-00006 Master Agency Interest ID: 1667	
Issued by: Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date:

TABLE OF CONTENTS

SECTION A	SOURCE SUMMARY	4
A.1	General Information [326 IAC 2-8-3(b)]	
A.2	Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]	
A.3	Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]	
A.4	FESOP Applicability [326 IAC 2-8-2]	
SECTION B	GENERAL CONDITIONS	7
B.1	Definitions [326 IAC 2-8-1]	
B.2	Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]	
B.3	Term of Conditions [326 IAC 2-1.1-9.5]	
B.4	Enforceability [326 IAC 2-8-6][IC 13-17-12]	
B.5	Severability [326 IAC 2-8-4(4)]	
B.6	Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]	
B.7	Duty to Provide Information [326 IAC 2-8-4(5)(E)]	
B.8	Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]	
B.9	Annual Compliance Certification [326 IAC 2-8-5(a)(1)]	
B.10	Compliance Order Issuance [326 IAC 2-8-5(b)]	
B.11	Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)]	
B.12	Emergency Provisions [326 IAC 2-8-12]	
B.13	Prior Permits Superseded [326 IAC 2-1.1-9.5]	
B.14	Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]	
B.15	Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]	
B.16	Permit Renewal [326 IAC 2-8-3(h)]	
B.17	Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]	
B.18	Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]	
B.19	Source Modification Requirement [326 IAC 2-8-11.1]	
B.20	Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]	
B.21	Transfer of Ownership or Operational Control [326 IAC 2-8-10]	
B.22	Annual Fee Payment [326 IAC 2-7-19][326 IAC 2-8-4(6)][326 IAC 2-8-16][326 IAC 2-1.1-7]	
B.23	Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314][326 IAC 1-1-6]	
SECTION C	SOURCE OPERATION CONDITIONS.....	17
	Emission Limitations and Standards [326 IAC 2-8-4(1)]	17
C.1	Overall Source Limit [326 IAC 2-8]	
C.2	Opacity [326 IAC 5-1]	
C.3	Open Burning [326 IAC 4-1][IC 13-17-9]	
C.4	Incineration [326 IAC 4-2][326 IAC 9-1-2]	
C.5	Fugitive Dust Emissions [326 IAC 6-4]	
C.6	Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]	
	Testing Requirements [326 IAC 2-8-4(3)].....	19
C.7	Performance Testing [326 IAC 3-6]	
	Compliance Requirements [326 IAC 2-1.1-11]	19
C.8	Compliance Requirements [326 IAC 2-1.1-11]	
	Compliance Monitoring Requirements [326 IAC 2-8-4(1)][326 IAC 2-8-5(a)(1)]	19
C.9	Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]	
C.10	Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]	
	Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]	20
C.11	Risk Management Plan [326 IAC 2-8-4][40 CFR 68]	
C.12	Response to Excursions or Exceedances [326 IAC 2-8-4][326 IAC 2-8-5]	

C.13	Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]	
Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]		21
C.14	General Record Keeping Requirements [326 IAC 2-8-4(3)][326 IAC 2-8-5]	
C.15	General Reporting Requirements [326 IAC 2-8-4(3)(C)][326 IAC 2-1.1-11]	
Stratospheric Ozone Protection		23
C.16	Compliance with 40 CFR 82 and 326 IAC 22-1	
SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS		24
Emission Limitations and Standards [326 IAC 2-8-4(1)]		24
D.1.1	FESOP and HAP Minor Limits [326 IAC 2-8-4][326 IAC 2-4.1][40 CFR 63]	
D.1.2	Particulate Matter Limitations Except Lake County [326 IAC 6.5-1]	
D.1.3	Preventive Maintenance Plan [326 IAC 1-6-3]	
Compliance Determination Requirements [326 IAC 2-8-4(1)]		24
D.1.4	Volatile Organic Compounds and Hazardous Air Pollutant [326 IAC 8-1-2][326 IAC 8-1-4]	
Compliance Monitoring Requirements [326 IAC 2-8-4(1)][326 IAC 2-8-5(a)(1)]		25
D.1.5	Monitoring	
Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]		25
D.1.6	Record Keeping Requirement	
D.1.7	Reporting Requirements	
SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS		26
Emission Limitations and Standards [326 IAC 2-8-4(1)]		28
D.2.1	Particulate Matter Limitations Except Lake County [326 IAC 6.5-1]	
D.2.2	Preventive Maintenance Plan [326 IAC 1-6-3]	
Compliance Determination Requirements [326 IAC 2-8-4(d)]		28
D.2.3	Particulate Control	
Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]		28
D.2.4	Baghouse Parametric Monitoring	
D.2.5	Broken or Failed Bag Detection	
Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)][326 IAC 2-8-16]		29
D.2.6	Record Keeping Requirements	
SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS		30
Emission Limitations and Standards [326 IAC 2-8-4(1)]		30
D.3.1	Organic Solvent Degreasing Operations: Cold Cleaner Operations [326 IAC 8-3-2]	
D.3.2	Material Requirements for Cold Cleaner Degreasers [326 IAC 8-3-8]	
D.3.3	Preventive Maintenance Plan [326 IAC 1-6-3]	
Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)][326 IAC 2-8-16]		31
D.3.4	Record Keeping Requirements	
CERTIFICATION		32
EMERGENCY OCCURRENCE REPORT		33
FESOP Quarterly Report		35
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT		37

SECTION A

SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary crushing equipment manufacturing facility.

Source Address:	129 Franklin Street, Aurora, Indiana 47001
General Source Phone Number:	812-926-0038
SIC Code:	3532 (Mining Machinery and Equipment, except Oil and Gas Field Machinery and Equipment)
County Location:	Dearborn Outside Lawrenceburg Township
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program
	Minor Source, under PSD Rules
	Minor Source, Section 112 of the Clean Air Act
	Not 1 of 28 Source Categories

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

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

Paint Booth and Cleanup: Building #1 (EU-01)

- (a) One paint booth and cleanup operation, identified as EU-01, constructed in 1974, with a maximum capacity of 1.06 gallons of coating per hour, using dry filters for particulate control, and exhausting to stack PV-41.

Batch Processing: Test Plant Building #4 (EU-02)

- (b) One (1) electric H-48 Cage Mill Crusher, identified as TM-48, constructed in 1980, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (c) One (1) electric GS-3030 Impactor Crusher, identified as TM-49, constructed in 1984, with a maximum capacity of 0.10 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (d) One (1) electric V-36 VSI Impactor Crusher, identified as TM-50, constructed in December 1997, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (e) One (1) electric Micro Max 2400 Crusher, identified as TM-51, constructed in January 1999, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (f) One (1) electric DR-16 X16 Crusher, identified as TM-52, constructed in December 1997, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.

- (g) One (1) electric BX-20 X12 HM Crusher, identified as TM-53, constructed in 1980, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (h) Two (2) electric Conveyors, identified as TC-56, and TC-57, constructed in 1980, each with maximum capacity 010 tons per hour, using no control equipment, and exhausting to the ambient air. TC-56 is an intake conveyor and TC-57 is a discharge conveyor.

Batch Processing: Test Plant Building #5 (EU-04)

- (i) One (1) electric VRM Roller Mill Crusher, identified as TM-58, constructed in 2014, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-64 for particulate control, and exhausting to stack PV-43.
- (j) One (1) electric GS-3030 Crusher, identified as TM-59, constructed in 2014, with a maximum capacity of 15 tons per hour, using baghouse SBH-62 for particulate control, and exhausting to stack PV-44.
- (k) One (1) electric UM-04 Impactor Crusher, identified as TM-60, constructed in 2014, with a maximum capacity of 0.10 tons per hour, using baghouse SBH-62 for particulate control, and exhausting to stack PV-44.
- (l) One (1) electric Sweco screen, identified as TM-61, constructed in 2014 with maximum capacity of 15 tons per hour, using no control equipment, and exhausting to the ambient air.
- (m) Five (5) electric Conveyors, identified as TC-66, TC-67, TC-68, TC-69 and TFC-70, constructed in 2014, each with maximum capacity 15 tons per hour, using no control equipment, and exhausting outside. TC-66, TC-67 and TC-68 are feed conveyors. TC-69 and TC-70 are discharge conveyors.

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

This stationary source also includes the following insignificant activities:

Parts Cleaning (IA-01)

- (a) One (1) cold cleaner degreaser, identified as IA-01, constructed in 1981, using no controls and exhausting indoors.
- (b) One (1) manual brake parts cleaning operation, constructed in 1981, with a maximum capacity of five (5) sixteen (16) ounce spray cans per day, using no controls and exhausting indoors.

Combustion - Space Heaters and Furnaces (IA-02)

- (c) Eight (8) natural gas-fired infrared heaters, identified as SHU-42, constructed in 1966, each with a maximum capacity of 0.05 MMBtu per hour, and exhausting outside.
- (d) Six (6) natural gas-fired infrared heaters, identified as SHU-43, constructed in July 1982, each with a maximum capacity of 0.075 MMBtu per hour, and exhausting outside.
- (e) Sixteen (16) natural gas-fired infrared heaters, identified as SHU-44, constructed between 2005 and 2007, each with a maximum capacity of 0.0715 MMBtu per hour, and exhausting outside.

- (f) Two (2) natural gas-fired heaters, identified as SHU-45, constructed in 1993, each with a maximum capacity of 0.075 MMBtu per hour, and exhausting outside.
- (g) One (1) natural gas-fired heater, identified as SHU-46, constructed in 1993, with a maximum capacity of 0.075 MMBtu per hour, and exhausting outside.
- (h) Three (3) natural gas-fired furnaces, identified as SHU-47, constructed in June 1993, each with a maximum capacity of 0.125 MMBtu per hour, and exhausting outside.
- (i) One (1) natural gas-fired furnace, identified as SHU-54, constructed in November 1978, with a maximum capacity of 0.125 MMBtu per hour, and exhausting outside.

Metal Welding & Cutting (EU-03)

- (j) An arc welding operation consisting of:
 - (1) Three (3) (FCAW) arc welders, identified as SW-02, 36, 39, constructed in 1980, each with a maximum capacity of 5 pounds of electrode wire per hour, and exhausting within the building;
 - (2) Ten (10) (FCAW) arc welders, identified as SW-03(2), 04(2), 05(3), 07, 08, 09, constructed in 1980, each with a maximum capacity of 5 pounds of electrode wire per hour, and exhausting within the building;
 - (3) One (1) (FCAW) arc welder, identified as SW-06, constructed in 1980, with a maximum capacity of 2.5 pounds of electrode wire per hour, and exhausting within the building;
 - (4) Three (3) (FCAW) arc welders, identified as SW-31, 32, 40, constructed in 1980, each with a maximum capacity of 6 pounds of electrode wire per hour, and exhausting within the building; and
 - (5) One (1) (SMAW) arc welder, identified as SW-41, constructed in 1980, with a maximum capacity of 5 pounds of electrode wire per hour, and exhausting within the building.
- (k) One (1) Flame cutter, identified as SB-01, constructed in 1980, with a maximum cutting rate of 10 inches per minute;
- (l) One (1) Hand held Plasma Cutter, identified as SB-11, constructed in 1980, with a maximum cutting rate of 20 inches per minute;
- (m) Paved and unpaved roadways.

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

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

SECTION B GENERAL CONDITIONS

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

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

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

- (a) This permit, F029-40096-00006, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

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

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

- (a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:

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

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

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

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

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

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

- (a) A Preventive Maintenance Plan (PMP) meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.

- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ or Southeast Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Southeast Regional Office phone: (812) 358-2027; fax: (812) 358-2058.

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

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

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

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

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

(C) Corrective actions taken.

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

(6) The Permittee immediately took all reasonable steps to correct the emergency.

- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

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

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

- (a) All terms and conditions of permits established prior to F029-40096-00006 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or

(3) deleted.

(b) All previous registrations and permits are superseded by this permit.

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

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

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

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

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

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

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-8-3(g), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

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

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

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) and (c) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

- (4) The Permittee notifies the:

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

and

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

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

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

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

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

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

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

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

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

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

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

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

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to

whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Overall Source Limit [326 IAC 2-8]

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

(a) Pursuant to 326 IAC 2-8:

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

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

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

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

C.2 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1][IC 13-17-9]

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

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

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

C.5 Fugitive Dust Emissions [326 IAC 6-4]

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

C.6 Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]

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

All required notifications shall be submitted to:

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

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

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

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

C.7 Performance Testing [326 IAC 3-6]

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.8 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.9 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

- (a) For new units:

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

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

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

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

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

C.10 Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

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

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

C.11 Risk Management Plan [326 IAC 2-8-4][40 CFR 68]

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

C.12 Response to Excursions or Exceedances [326 IAC 2-8-4][326 IAC 2-8-5]

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

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

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

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

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

C.14 General Record Keeping Requirements [326 IAC 2-8-4(3)][326 IAC 2-8-5]

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

(BB) All original strip chart recordings for continuous monitoring instrumentation.

(CC) Copies of all reports required by the FESOP.

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

(AA) The date, place, as defined in this permit, and time of sampling or measurements.

(BB) The dates analyses were performed.

(CC) The company or entity that performed the analyses.

(DD) The analytical techniques or methods used.

(EE) The results of such analyses.

(FF) The operating conditions as existing at the time of sampling or measurement.

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

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

C.15 General Reporting Requirements [326 IAC 2-8-4(3)(C)][326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B -Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.16 Compliance with 40 CFR 82 and 326 IAC 22-1

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Paint Booth and Cleanup: Building #1 (EU-01)

- (a) One paint booth and cleanup operation, identified as EU-01, constructed in 1974, with a maximum capacity of 1.06 gallons of coating per hour, using dry filters for particulate control, and exhausting to stack PV-41.

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

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

D.1.1 FESOP and HAP Minor Limits [326 IAC 2-8-4][326 IAC 2-4.1][40 CFR 63]

Pursuant to 326 IAC 2-8-4 (FESOP), and in order to render the requirements of 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAPs)) not applicable, the Permittee shall comply with the following:

- (1) The input of Xylene to the paint booth and cleanup operation (EU-01) shall not exceed seven (7.0) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (2) The input of the total combination of HAPs to the paint booth and cleanup operation (EU-01) shall not exceed twenty (20.0) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit HAPs from all other emission units at this source, shall limit the source-wide total potential to emit of any single HAP to less than ten (10) tons per twelve (12) consecutive month period, the total HAPs to less than twenty-five (25) tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP)) not applicable, and shall render this source an area source of HAP emissions under section 12 of the Clean Air Act (CAA).

D.1.2 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1]

Pursuant to 326 IAC 6.5-1-2(h) (Particulate Matter Limitations Except Lake County), particulate matter (PM) emissions from the one (1) paint booth and cleanup operation (EU-01), shall be controlled by dry particulate filters, waterwash, or an equivalent control device, and the Permittee shall operate each control device in accordance with manufacturer's specifications.

D.1.3 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for this unit and any associated control device. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

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

D.1.4 Volatile Organic Compounds and Hazardous Air Pollutant [326 IAC 8-1-2][326 IAC 8-1-4]

Compliance with the HAP usage limitations contained in Condition D.1.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" HAP data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical

procedures specified in 326 IAC 8-1-4.

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

D.1.5 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 (PV-41) while one or more of the booths are in operation. If a condition exists which should result in a response, the Permittee shall take a reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response required by this condition. Failure to take a reasonable response shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take a reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response required by this condition. Failure to take a reasonable response shall be considered a deviation from this permit.

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

D.1.6 Record Keeping Requirement

- (a) To document the compliance status with the single and combined HAP usage limits in Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (3) below.
 - (1) The amount and HAP content of each coating material and solvent used. Records shall include inventory records and Material Safety Data Sheets (MSDS) necessary to verify the type and amount used.
 - (2) The single and combined HAP usage for each month.
 - (3) The weight of single and combined HAPs emitted for each compliance period.
- (b) To document the compliance status with Condition D.1.5, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections.

D.1.7 Reporting Requirements

Quarterly summaries of the information to document the compliance status with Condition D.1.1 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The reports submitted by the Permittee do require a certification, that meets the requirements of 326 IAC 2-8-5(a)(1), by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Batch Processing: Test Plant Building #4 (EU-02)

- (b) One (1) electric H-48 Cage Mill Crusher, identified as TM-48, constructed in 1980, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (c) One (1) electric GS-3030 Impactor Crusher, identified as TM-49, constructed in 1984, with a maximum capacity of 0.10 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (d) One (1) electric V-36 VSI Impactor Crusher, identified as TM-50, constructed in December 1997, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (e) One (1) electric Micro Max 2400 Crusher, identified as TM-51, constructed in January 1999, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (f) One (1) electric DR-16 X16 Crusher, identified as TM-52, constructed in December 1997, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (g) One (1) electric BX-20 X12 HM Crusher, identified as TM-53, constructed in 1980, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (h) Two (2) electric Conveyors, identified as TC-56, and TC-57, constructed in 1980, each with maximum capacity 010 tons per hour, using no control equipment, and exhausting outside. TC-56 is an intake conveyor and TC-57 is a discharge conveyor.

Batch Processing: Test Plant Building #5 (EU-04)

- (i) One (1) electric VRM Roller Mill Crusher, identified as TM-58, approved in 2014 for construction, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-64 for particulate control, and exhausting to stack PV-43.
- (j) One (1) electric GS-3030 Crusher, identified as TM-59, approved in 2014 for construction, with a maximum capacity of 15 tons per hour, using baghouse SBH-62 for particulate control, and exhausting to stack PV-44.
- (k) One (1) electric UM-04 Impactor Crusher, identified as TM-60, approved in 2014 for construction, with a maximum capacity of 0.10 tons per hour, using baghouse SBH-62 for particulate control, and exhausting to stack PV-44.
- (l) One (1) electric Sweco screen, identified as TM-61, with maximum capacity of 15 tons per hour, using no control equipment, and exhausting outside.
- (m) Five (5) electric Conveyors, identified as TC-66, TC-67, TC-68, TC-69 and TFC-70, each approved in 2014 for construction, each with maximum capacity 15 tons per hour, using no control equipment, and exhausting outside. TC-66, TC-67 and TC-68 are feed conveyors. TC-69 and TC-70 are discharge conveyors.

Insignificant Activities:

Combustion - Space Heaters and Furnaces (IA-02)

- (c) Eight (8) natural gas-fired infrared heaters, identified as SHU-42, constructed in 1966, each with a maximum capacity of 0.05 MMBtu per hour, and exhausting outside.
- (d) Six (6) natural gas-fired infrared heaters, identified as SHU-43, constructed in July 1982, each with a maximum capacity of 0.075 MMBtu per hour, and exhausting outside.
- (e) Sixteen (16) natural gas-fired infrared heaters, identified as SHU-44, constructed between 2005 and 2007, each with a maximum capacity of 0.0715 MMBtu per hour, and exhausting outside.
- (f) Two (2) natural gas-fired heaters, identified as SHU-45, constructed in 1993, each with a maximum capacity of 0.075 MMBtu per hour, and exhausting outside.
- (g) One (1) natural gas-fired heater, identified as SHU-46, constructed in 1993, with a maximum capacity of 0.075 MMBtu per hour, and exhausting outside.
- (h) Three (3) natural gas-fired furnaces, identified as SHU-47, constructed in June 1993, each with a maximum capacity of 0.125 MMBtu per hour, and exhausting outside.
- (i) One (1) natural gas-fired furnace, identified as SHU-54, constructed in November 1978, with a maximum capacity of 0.125 MMBtu per hour, and exhausting outside.

Metal Welding & Cutting (EU-03)

- (j) An arc welding operation consisting of:
 - (1) Three (3) (FCAW) arc welders, identified as SW-02, 36, 39, constructed in 1980, each with a maximum capacity of 5 pounds of electrode wire per hour, and exhausting within the building;
 - (2) Ten (10) (FCAW) arc welders, identified as SW-03(2), 04(2), 05(3), 07, 08, 09, constructed in 1980, each with a maximum capacity of 5 pounds of electrode wire per hour, and exhausting within the building;
 - (3) One (1) (FCAW) arc welder, identified as SW-06, constructed in 1980, with a maximum capacity of 2.5 pounds of electrode wire per hour, and exhausting within the building;
 - (4) Three (3) (FCAW) arc welders, identified as SW-31, 32, 40, constructed in 1980, each with a maximum capacity of 6 pounds of electrode wire per hour, and exhausting within the building; and
 - (5) One (1) (SMAW) arc welder, identified as SW-41, constructed in 1980, with a maximum capacity of 5 pounds of electrode wire per hour, and exhausting within the building.
- (k) One (1) Flame cutter, identified as SB-01, constructed in 1980, with a maximum cutting rate of 10 inches per minute, and exhausting within the building;
- (l) One (1) Hand held Plasma Cutter, identified as SB-11, constructed in 1980, with a maximum cutting rate of 20 inches per minute, and exhausting within the building.

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

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

D.2.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate matter (PM) emissions from the facilities listed in the table below, shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf)).

Emission Unit Descriptions
Space heaters and furnaces (IA-02)
Metal Welding & Cutting (EU-03, SB-01 and SB-11)
Six (6) crushers, Two (2) conveyors (EU-02)
Three (3) crushers, One (1) screen & Five (5) conveyors (EU-04)

D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3]

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

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

D.2.3 Particulate Control

- (a) In order to assure compliance with Condition D.2.1, the baghouses SBH-55, SBH-62, and SBH-64 for particulate control shall be in operation and control emissions from the Batch Processing operations EU-02 and EU-04 at all times these facilities are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.2.4 Baghouse Parametric Monitoring

- (a) The Permittee shall record the pressure drops across baghouses SBH-55, SBH-62, and SBH-64 at least once per day when the associated electric crusher is in operation. When, for any one reading, the pressure drop across the baghouse is outside of the normal range, the Permittee shall take a reasonable response. The normal range for these units is a pressure drop between 2.0 and 6.0 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.
- (b) The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months.

D.2.5 Broken or Failed Bag Detection

- (a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouses pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

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

D.2.6 Record Keeping Requirements

- (a) To document the compliance status with Condition D.2.4, the Permittee shall maintain daily records of pressure drops across the baghouse(s). The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).
- (b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Insignificant Activities:

Parts Cleaning (IA-01)

- (a) One (1) cold cleaner degreaser, identified as IA-01, constructed in 1981, using no controls and exhausting indoors.
- (b) One (1) manual brake parts cleaning operation, constructed in 1981, with a maximum capacity of five (5) sixteen (16) ounce spray cans per day, using no controls and exhausting indoors.

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

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

D.3.1 Organic Solvent Degreasing Operations: Cold Cleaner Operations [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Degreaser Control and Equipment Operating Requirements), the Permittee shall:

- (a) Ensure the following control equipment and operating requirements are met:
 - (1) Equip the degreaser with a cover.
 - (2) Equip the degreaser with a device for draining cleaned parts.
 - (3) Close the degreaser cover whenever parts are not being handled in the degreaser.
 - (4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
 - (5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).
 - (6) Store waste solvent only in closed containers.
 - (7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.

D.3.2 Material Requirements for Cold Cleaner Degreasers [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), the Permittee shall not operate a cold cleaning degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

D.3.3 Preventive Maintenance Plan [326 IAC 1-6-3]

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

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

D.3.4 Record Keeping Requirements

- (a) To document the compliance status with Condition D.3.2, the Permittee shall maintain the following records for each purchase of solvent used in the cold cleaner degreasing operations.
 - (1) The name and address of the solvent supplier.
 - (2) The date of purchase.
 - (3) The type of solvent purchased.
 - (4) The total volume of the solvent purchased.
 - (5) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).
- (b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

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

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

Source Name: Stedman Machine Company
Source Address: 129 Franklin Street, Aurora, Indiana 47001
FESOP Permit No.: F029-40096-00006

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

Please check what document is being certified:

- ☐ Annual Compliance Certification Letter
- ☐ Test Result (specify)_____
- ☐ Report (specify)_____
- ☐ Notification (specify)_____
- ☐ Affidavit (specify)_____
- ☐ Other (specify)_____

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

Signature:

Printed Name:

Title/Position:

Date:

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

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

Source Name: Stedman Machine Company
Source Address: 129 Franklin Street, Aurora, Indiana 47001
FESOP Permit No.: F029-40096-00006

This form consists of 2 pages

Page 1 of 2

- | |
|--|
| <p><input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-8-12 |
|--|

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

FESOP Quarterly Report

Source Name: Stedman Machine Company
Source Address: 129 Franklin Street, Aurora, Indiana 47001
FESOP Permit No.: F029-40096-00006
Facility: Paint Booth and Cleanup (EU-01)
Parameter: Xylene Input
Limit: Shall not exceed seven (7.0) tons per per twelve (12) consecutive month period.

QUARTER: _____ YEAR: _____

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

☐ No deviation occurred in this quarter.

☐ 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 QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

FESOP Quarterly Report

Source Name: Stedman Machine Company
Source Address: 129 Franklin Street, Aurora, Indiana 47001
FESOP Permit No.: F029-40096-00006
Facility: Paint Booth and Cleanup (EU-01)
Parameter: Total Combined HAPs Input
Limit: Shall not exceed twenty (20.0) tons per twelve (12) consecutive month period

QUARTER: _____ YEAR: _____

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

☐ No deviation occurred in this quarter.

☐ 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 QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Stedman Machine Company
Source Address: 129 Franklin Street, Aurora, Indiana 47001
FESOP Permit No.: F029-40096-00006

Months: _____ to _____ Year: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B -Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C- General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a
Federally Enforceable State Operating Permit Renewal

Source Description and Location
--

Source Name: Source Location: County: SIC Code: Operation Permit No.: Permit Reviewer:	Stedman Machine Company 129 Franklin Street, Aurora, IN 47001 Dearborn (Center Township) 3532 (Mining Machinery and Equipment, except Oil and Gas Field Machinery and Equipment) F029-40096-00006 Tamara Havics
---	--

On June 11, 2018, Stedman Machine Company submitted an application to the Office of Air Quality (OAQ) requesting to renew its operating permit. OAQ has reviewed the operating permit renewal application from Stedman Machine Company relating to the operation of an stationary crushing equipment manufacturing facility. Stedman Machine Company was issued a Part 70 Operating Permit FESOP (F029-34310-00006) on August 5, 2014.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

Paint Booth and Cleanup: Building #1 (EU-01)

- (a) One paint booth and cleanup operation, identified as EU-01, constructed in 1974, with a maximum capacity of 1.06 gallons of coating per hour, using dry filters for particulate control, and exhausting to stack PV-41.

Batch Processing: Test Plant Building #4 (EU-02)

- (b) One (1) electric H-48 Cage Mill Crusher, identified as TM-48, constructed in 1980, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (c) One (1) electric GS-3030 Impactor Crusher, identified as TM-49, constructed in 1984, with a maximum capacity of 0.10 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (d) One (1) electric V-36 VSI Impactor Crusher, identified as TM-50, constructed in December 1997, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (e) One (1) electric Micro Max 2400 Crusher, identified as TM-51, constructed in January 1999, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (f) One (1) electric DR-16 X16 Crusher, identified as TM-52, constructed in December 1997, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.

- (g) One (1) electric BX-20 X12 HM Crusher, identified as TM-53, constructed in 1980, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-55 for particulate control, and exhausting to stack PV-39.
- (h) Two (2) electric Conveyors, identified as TC-56, and TC-57, constructed in 1980, each with maximum capacity 010 tons per hour, using no control equipment, and exhausting outside. TC-56 is an intake conveyor and TC-57 is a discharge conveyor.

Batch Processing: Test Plant Building #5 (EU-04)

- (i) One (1) electric VRM Roller Mill Crusher, identified as TM-58, constructed in 2014, with a maximum capacity of 0.05 tons per hour, using baghouse SBH-64 for particulate control, and exhausting to stack PV-43.
- (j) One (1) electric GS-3030 Crusher, identified as TM-59, constructed in 2014, with a maximum capacity of 15 tons per hour, using baghouse SBH-62 for particulate control, and exhausting to stack PV-44.
- (k) One (1) electric UM-04 Impactor Crusher, identified as TM-60, constructed in 2014, with a maximum capacity of 0.10 tons per hour, using baghouse SBH-62 for particulate control, and exhausting to stack PV-44.
- (l) One (1) electric Sweco screen, identified as TM-61, constructed in 2014 with maximum capacity of 15 tons per hour, using no control equipment, and exhausting outside.
- (m) Five (5) electric Conveyors, identified as TC-66, TC-67, TC-68, TC-69 and TFC-70, constructed in 2014, each with maximum capacity 15 tons per hour, using no control equipment, and exhausting outside. TC-66, TC-67 and TC-68 are feed conveyors. TC-69 and TC-70 are discharge conveyors.

Insignificant Activities

The source also consists of the following insignificant activities:

Parts Cleaning (IA-01)

- (a) One (1) cold cleaner degreaser, identified as IA-01, constructed in 1981, using no controls and exhausting indoors.
- (b) One (1) manual brake parts cleaning operation, constructed in 1981, with a maximum capacity of five (5) sixteen (16) ounce spray cans per day, using no controls and exhausting indoors.

Combustion - Space Heaters and Furnaces (IA-02)

- (c) Eight (8) natural gas-fired infrared heaters, identified as SHU-42, constructed in 1966, each with a maximum capacity of 0.05 MMBtu per hour, and exhausting outside.
- (d) Six (6) natural gas-fired infrared heaters, identified as SHU-43, constructed in July 1982, each with a maximum capacity of 0.075 MMBtu per hour, and exhausting outside.
- (e) Sixteen (16) natural gas-fired infrared heaters, identified as SHU-44, constructed between 2005 and 2007, each with a maximum capacity of 0.0715 MMBtu per hour, and exhausting outside.
- (f) Two (2) natural gas-fired heaters, identified as SHU-45, constructed in 1993, each with a maximum capacity of 0.075 MMBtu per hour, and exhausting outside.

- (g) One (1) natural gas-fired heater, identified as SHU-46, constructed in 1993, with a maximum capacity of 0.075 MMBtu per hour, and exhausting outside.
- (h) Three (3) natural gas-fired furnaces, identified as SHU-47, constructed in June 1993, each with a maximum capacity of 0.125 MMBtu per hour, and exhausting outside.
- (i) One (1) natural gas-fired furnace, identified as SHU-54, constructed in November 1978, with a maximum capacity of 0.125 MMBtu per hour, and exhausting outside.

Metal Welding & Cutting (EU-03)

- (j) An arc welding operation consisting of:
 - (1) Three (3) (FCAW) arc welders, identified as SW-02, 36, 39, constructed in 1980, each with a maximum capacity of 5 pounds of electrode wire per hour, and exhausting within the building;
 - (2) Ten (10) (FCAW) arc welders, identified as SW-03(2), 04(2), 05(3), 07, 08, 09, constructed in 1980, each with a maximum capacity of 5 pounds of electrode wire per hour, and exhausting within the building;
 - (3) One (1) (FCAW) arc welder, identified as SW-06, constructed in 1980, with a maximum capacity of 2.5 pounds of electrode wire per hour, and exhausting within the building;
 - (4) Three (3) (FCAW) arc welders, identified as SW-31, 32, 40, constructed in 1980, each with a maximum capacity of 6 pounds of electrode wire per hour, and exhausting within the building; and
 - (5) One (1) (SMAW) arc welder, identified as SW-41, constructed in 1980, with a maximum capacity of 5 pounds of electrode wire per hour, and exhausting within the building.
- (k) One (1) Flame cutter, identified as SB-01, constructed in 1980, with a maximum cutting rate of 10 inches per minute, and exhausting within the building;
- (l) One (1) Hand held Plasma Cutter, identified as SB-11, constructed in 1980, with a maximum cutting rate of 20 inches per minute, and exhausting within the building.
- (m) Paved and unpaved roadways.

Existing Approvals

The source was issued Part 70 Operating Permit FESOP (F029-34310-00006) on August 5, 2014. There have been no subsequent approvals issued.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the State Implementation Plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Dearborn County (Center Township).

Pollutant	Designation
SO ₂	Cannot be classified.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective August 3, 2018, for the 2008 8-hour ozone standard for Lawrenceburg Township. Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard for the remainder of the county. ¹
PM _{2.5}	Attainment effective December 23, 2011, for the annual PM _{2.5} standard for Lawrenceburg Township. Unclassifiable or attainment effective April 5, 2005, for the annual PM _{2.5} standard for the remainder of the county.
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM _{2.5} standard.
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.	

- (a) **Ozone Standards**
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Dearborn County (Center Township) 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.
- (b) **PM_{2.5}**
Dearborn County (Center Township) has been classified as attainment for PM_{2.5}. Therefore, direct PM_{2.5}, SO₂, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) **Other Criteria Pollutants**
Dearborn County (Center Township) has been classified as attainment or unclassifiable in Indiana for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

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

Greenhouse Gas (GHG) Emissions

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

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

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Unrestricted Potential Emissions	
Pollutant	Tons/year
PM	39.93
PM ₁₀	17.63
PM _{2.5}	12.12
SO ₂	0.01
NO _x	1.17
VOC	26.09
CO	0.98
Single HAP	18.43 (xylene)
Total HAP	26.43

Appendix A of this TSD reflects the unrestricted potential emissions of the source.

- (a) The potential to emit (as defined in 326 IAC 2-7-1(30)) of all criteria pollutants are less than 100 tons per year.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(30)) of any single HAP is equal to or greater than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(30)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. However, the Permittee has agreed to limit the source's single HAP emissions and total HAP emissions below Title V levels. Therefore, the Permittee will be issued a FESOP Renewal.

Permit Level Determination – FESOP Administrative Amendment
--

The following table is used to determine the appropriate permit level under 326 IAC 2-8-10 (Administrative Permit Amendments). This table reflects the PTE before controls of the administrative amendment. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Renewal (tons/year)								
	PM	PM ₁₀ *	PM _{2.5} **	SO ₂	NO _x	VOC	CO	Total HAPs	Highest Single HAP
Paint Booth and Cleanup	5.75	5.75	5.75	--	--	23.30	--	20.0	7.0 (Xylene)
Test Plant Bldg #4	0.02	0.01	0.01	--	--	--	--	--	--
Test Plant Building #5	23.78	1.43	6.27	--	--	--	--	--	--
Parts Cleaning	--	--	--	--	--	2.73	--	0.63	--
Space Heaters and Furnaces	0.02	0.09	0.09	0.01	1.17	0.06	0.98	0.02	--
Welding and Cutting	10.35	10.35	--	--	--	--	--	4.21	--
Total PTE of Entire Source, Excluding Fugitive Emissions	39.93	17.63	12.12	0.01	1.17	26.09	0.98	24.86	7.0
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	NA	NA

negl. = negligible
 * Under the Part 70 Permit program (40 CFR 70), PM₁₀ and PM_{2.5}, not particulate matter (PM), are each considered as a "regulated air pollutant."
 **PM_{2.5} listed is direct PM_{2.5}.

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no PSD regulated pollutant is emitted at a rate of two hundred fifty (250) tons per year or more and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (b) Pursuant to 326 IAC 2-8-4 (FESOP), and in order to render the requirements of 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAPs)) not applicable, the Permittee shall comply with the following:
- (1) The input of Xylene to the paint booth and cleanup operation (EU-01) shall not exceed seven (7.0) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (2) The input of the total combination of HAPs to the paint booth and cleanup operation (EU-01) shall not exceed twenty (20.0) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit HAPs from all other emission units at this source, shall limit the source-wide total potential to emit of any single HAP to less than ten (10) tons per twelve (12) consecutive month period, the total HAPs to less than twenty-five (25) tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP)) not applicable, and shall render this source is an area source of HAP emissions.

Federal Rule Applicability

New Source Performance Standards (NSPS)

- (a) The requirements of the New Source Performance Standard (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart Dc, are not included in the permit, because each of the heaters at this source has a heat input rate less than or equal to 10 million Btu per hour (MMBtu/hr), and each are not considered a steam generating unit as defined by 40 CFR 60.41c.
- (b) The requirements of the New Source Performance Standard for Automobile and Light Duty Truck Surface Coating Operations, 40 CFR 60, Subpart MM, are not included in the permit for the paint booth EU-01, since the source is not considered an automobile or light duty truck assembly plant as defined in 40 CFR 60.391.
- (c) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (a) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP): Surface Coating of Automobiles and Light-Duty Trucks, 40 CFR 63, Subpart IIII (4I), are not included in this permit, since this source does not surface coat new automobile or new light-duty truck bodies or body parts for new automobiles or new light-duty trucks, and the source is not a major source of HAPs.
- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63, Subpart MMMM, are not included in this permit, since this source is not a major source of HAP emissions.
- (c) The requirements of the National Emission Standards for the Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63, Subpart

- DDDDD, are not included in this permit, since this source is not a major source of HAP emissions.
- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources, 40 CFR Part 63, Subpart JJJJJJ, are not included in this permit, because the natural gas-fired heating units do not meet the definition of a boiler as defined in 40 CFR 63.11237.
 - (e) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Halogenated Solvent Cleaning, 40 CFR 63, Subpart T, do not apply to the cold cleaner degreaser, because this source does not use any solvent containing methylene chloride (CAS No. 75-09-2), perchloroethylene (CAS No. 127-18-4), trichloroethylene (CAS No. 79-01-6), 1,1,1-trichloroethane (CAS No. 71-55-6), carbon tetrachloride (CAS No. 56-23-5) or chloroform (CAS No. 67-66-3), or any combination of these halogenated HAP solvents, in a total concentration greater than 5 percent by weight.
 - (f) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Painting Stripping and Miscellaneous Metal Coating Operations at Area Sources, 40 CFR 63, Subpart HHHHHH, are not included in the permit, since the source does not perform paint stripping operations that involve the use of chemical strippers that contain methylene chloride (MeCl), autobody refinishing operations that encompass motor vehicle and mobile equipment spray-applied surface coating operations, or spray application of coatings containing compounds of chromium, lead, manganese, nickel, or cadmium, collectively referred to as the target HAP as defined in 40 CFR 63.11180. Therefore, the requirements of 40 CFR Part 63, Subpart HHHHHH do not apply.
 - (g) The requirements of the National Emissions Standards for the Hazardous Air Pollutants (NESHAP) for Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, 40 CFR 63, Subpart XXXXXX (6X), are not included in this permit, because the operations at this source falls under SIC codes 3532 (NAICS codes 333131), which is not one of the nine source categories listed in 40 CFR 63.11514 (see Federal Register, 73 FR 43000, July 23, 2008, for the list of NAICS codes for regulated source categories).
 - (h) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit.

Compliance Assurance Monitoring (CAM):

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

State Rule Applicability - Entire Source

- (a) 326 IAC 2-8-4 (FESOP)
FESOP applicability is discussed under the Potential to Emit After Issuance section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
PSD applicability is discussed under the Potential to Emit After Issuance section above.
- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
None of the emission units at the source is subject to the requirements of 326 IAC 2-4.1, because the potential to emit of any single HAP is limited to less than 10 tons per year and the potential to emit any combinations of HAPs is limited to less than 25 tons per year.

- (d) 326 IAC 1-6-3 (Preventive Maintenance Plan)
The source is subject to 326 IAC 1-6-3.
- (e) 326 IAC 2-6 (Emission Reporting)
This source is not subject to 326 IAC 2-6 (Emission Reporting) because it is not required to have an operating permit pursuant to 326 IAC 2-7 (Part 70); it is not located in Lake, Porter, or LaPorte County, and its potential to emit lead is less than 5 tons per year. Therefore, this rule does not apply.
- (f) 326 IAC 5-1 (Opacity Limitations)
This source is subject to the opacity limitations specified in 326 IAC 5-1-2(1)
- (g) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
The emission units at this source are not subject to 326 IAC 6-3-2, since this rule does not apply if a particulate limitation established in 326 IAC 6.5 is more stringent than the particulate limitation established in 326 IAC 6-3-2. Since the particulate limitations established by 326 IAC 6.5-1-2 for each facility are more stringent than the particulate limitations that would be established by 326 IAC 6-3-2, the source is not subject to the requirements of 326 IAC 6-3-2.
- (h) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.
- (i) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
The source is not subject to the requirements of 326 IAC 6-5, because the source does not have potential fugitive particulate emissions greater than 25 tons per year.
- (j) 326 IAC 6.5 PM Limitations Except Lake County
This source is subject to 326 IAC 6.5 because it is located in Dearborn County, its PM PTE (or limited PM PTE) is equal to or greater than 100 tons/year or actual emissions are greater than 10 tons/year. However, this source is not one of the sources specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10. Therefore, 326 IAC 6.5-1-2(a) applies.
- (k) 326 IAC 6.8 PM Limitations for Lake County
This source is not subject to 326 IAC 6.8, because it is not located in Lake County.

State Rule Applicability – Individual Facilities

Paint Booth and Cleanup (EU-01)

- (a) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-2(h), the particulate matter from the paint booth and cleanup (EU-01) shall be controlled by dry particulate filters, waterwash, or an equivalent control device, and the Permittee shall operate each control device in accordance with manufacturer's specifications.
- (b) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The paint booth and cleanup operation (EU-01) is not subject to the requirements of 326 IAC 8-1-6, since the construction date for the unit is before January 1, 1980.
- (c) 326 IAC 8-2-9 (Volatile Organic Compounds, Miscellaneous Metal Coating Operations)
The paint booth and cleanup operation (EU-01) is not subject to the requirements of 326 IAC 8-2-9, since it was constructed before November 1, 1980 and is not located in Clark, Elkhart, Floyd, Lake, Marion, Porter, or St. Joseph Counties.
- (d) There are no other 326 IAC 8 Rules that are applicable to EU-01.

Combustion - Space Heaters and Furnaces (IA-02)

- (a) 326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)
The natural gas-fired space heaters are not subject to 326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating), because, pursuant to 326 IAC 1-2-19, these emission units do not meet the definition of an indirect heating unit.
- (b) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-2(a), particulate matter (PM) emissions from the natural gas-fired infrared heaters (SHU-42, SHU-43, and SHU-44), natural gas-fired heaters (SHU-45, and SHU-46) and the natural gas-fired furnaces (SHU-47, and SHU-54)) shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) three hundredths (0.03) grain per dry standard cubic foot (dscf).

Metal Welding & Cutting (EU-03, SB-01, SB-11))

- (a) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-2(a), particulate matter (PM) emissions from each of the welders, the flame cutter (SB-01), and plasma cutter (SB-11) shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf).

Parts Cleaning (IA-01)

- (a) 326 IAC 8-3-2 (Cold Cleaner Degreaser Control Equipment and Operating Requirements)
Pursuant to 326 IAC 8-3-1(c), the one (1) cold cleaner parts washer is subject to 326 IAC 8-3-2(a). This rule applies to cold cleaner type degreasing facilities constructed after January 1, 1980 and located anywhere in the state.
- (b) 326 IAC 8-3-8 (Material requirements for cold cleaner degreasers)
This source is subject to the provisions of 326 IAC 8-3-8 (Material requirements for cold cleaning degreasers), because the source uses solvents in cold cleaning degreasers. The source shall meet the material requirements for cold cleaning degreasers specified in 326 IAC 8-3-8(b) and record keeping requirements specified in 326 IAC 8-3-8(c) of this rule.
- (c) There are no other 326 IAC 8 Rules that apply to solvent usage at this source

Batch Processing: Test Plant Building #4 (EU-02)

Crushers:

- (a) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-2(a), the particulate matter from each of the crushers (TM-48 through TM-53) shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf).

Conveyors:

- (b) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-2(a), the particulate matter from the conveyors (TC-56 and TC-57) shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf).

Batch Processing: Proposed Test Plant Building #5 (EU-04)

Crushers

- (a) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-2(a), the particulate matter from each of the crushers (TM-58 through TM-60) shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf).

Screens:

- (b) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-2(a), the particulate matter from the screen (TM-61) shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf).

Conveyors:

- (c) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-2(a), the particulate matter from the conveyors (TC-66, TC-67, TC-68, TC-69 and TFC-70) shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf).

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-8 are required to assure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in 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.

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

There are no testing requirements applicable to this source.

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

Control	Parameter	Frequency	Range	Excursions and Exceedances
Paint Booth Dry Filters	Filter inspection	Daily	Normal- Abnormal	Response Steps
	Presence of Overspray	Weekly		
	Stack Exhaust Inspection	Monthly		
Crusher Baghouse SBH-55	Pressure Drop	Daily	2 to 6 inches	Response Steps
Crusher Baghouse SBH-64	Pressure Drop	Daily	2 to 6 inches	Response Steps
Crusher Baghouse SBH-62	Pressure Drop	Daily	2 to 6 inches	Response Steps

These monitoring conditions are necessary because the paint booth dry filters and the crusher baghouses must operate properly to assure compliance with 326 IAC 6.5 (Particulate Emissions Limitations Except Lake Co).

Conclusion and Recommendation

The staff recommends to the Commissioner that the FESOP Renewal 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 June 11, 2018.

The operation of this stationary crushing equipment manufacturing facility shall be subject to the conditions of the attached FESOP Renewal No. F029-40096-00006.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Tamara Havics at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 232-8219 or toll free at 1-800-451-6027, extension 2-8219.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <http://www.in.gov/idem/airquality/2356.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A: Emissions Calculations
Summary**

Company Name: Stedman Machine Company
Address City IN Zip: 129 Franklin Street, Aurora, IN 47001
Permit Number: F029-40096-00006
Permit Reviewer: Tamara Havics

Uncontrolled PTE

Units	Unit ID	Potential Emissions (tpy)								Highest Single HAP
		PM	PM-10	PM-2.5	SO2	NOx	VOC	CO	Total HAP	
Paint Booth and Cleanup (1974)	EU-01	5.75	5.75	5.75	--	--	23.30	--	21.57	18.43
Test Plant Bldg #4 (1980)	EU-02	0.02	0.01	0.01	--	--	--	--	--	--
Test Plant Building #5 (2014)	EU-04	23.78	1.43	6.27	--	--	--	--	--	--
Parts Cleaning (1981)	IA-01	--	--	--	--	--	2.73	--	0.63	0.35
Space Heaters and Furnaces (Varies)	IA-02	0.02	0.09	0.09	0.01	1.17	0.06	0.98	0.02	0.021
Welding and Cutting (1981)	EU-03	10.35	10.35	--	--	--	--	--	4.21	2.43
Totals (Non-Fugitives)		39.93	17.63	12.12	0.01	1.17	26.09	0.98	26.43	18.43
Fugitive Emissions (Paved & Unpaved Roads)		0.35	0.08	0.01	--	--	--	--	--	--

Limited PTE

Units	Unit ID	Limited Emissions (tpy)								Highest Single HAP*
		PM	PM-10	PM-2.5	SO2	NOx	VOC	CO	Total HAP	
Paint Booth and Cleanup (1974)	EU-01	5.75	5.75	5.75	--	--	23.30	--	20.0	7.0
Test Plant Bldg #4 (1980)	EU-02	0.02	0.01	0.01	--	--	--	--	--	--
Test Plant Building #5 (2014)	EU-04	23.78	1.43	6.27	--	--	--	--	--	--
Parts Cleaning (1981)	IA-01	--	--	--	--	--	2.73	--	0.63	--
Space Heaters and Furnaces (Varies)	IA-02	0.02	0.09	0.09	0.01	1.17	0.06	0.98	0.02	--
Welding and Cutting (1981)	EU-03	10.35	10.35	--	--	--	--	--	4.21	--
Totals (Non-Fugitives)		39.93	17.63	12.12	0.01	1.17	26.09	0.98	24.86	7.00
Fugitive Emissions (Paved & Unpaved Roads)		0.35	0.08	0.01	--	--	--	--	--	--

*Highest Single HAP = Xylene

**Appendix A: Emissions Calculations
Summary**

Company Name: Stedman Machine Company
Address City IN Zip: 129 Franklin Street, Aurora, IN 47001
Permit Number: F029-40096-00006
Permit Reviewer: Tamara Havics

	Uncontrolled Potential Emissions (ton/year)									
	PM	PM-10	PM-2.5	SO2	NOx	VOC	CO	Total HAP	Single Highest HAP	
Paint Booth and Cleanup (Existing Paint)*	3.02	3.02	3.02	--	--	26.51	--	21.57	18.43	xylene
Paint Booth and Cleanup (New Paint)	5.75	5.75	5.75	--	--	23.30	--	21.57	18.43	xylene
Change in PTE from new paint usage:	2.73	2.73	2.73	--	--	-3.21	--	0.00	0.00	

*Existing emissions are from permit F029-34310-00006, issued August 5, 2014

Appendix A: Emissions Calculations
VOC and Particulate
EU-01 From Surface Coating Operations

Company Name: Stedman Machine Company
Address City IN Zip: 129 Franklin Street, Aurora, IN 47001
Permit Number: F029-40096-00006
Permit Reviewer: Tamara Havics

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non- Volatiles (solids)	Maximum Gal of Mat. (gal/yr)	Gal of Mat. (gal/hr)*	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 (ton/yr)	Transfer Efficiency
Cinder Block Paint	10.07	32.00%	0.0%	32.0%	0.0%	54.30%	6,900	0.79	3.22	3.22	2.54	60.92	11.12	5.91	75%
Xylene	7.25	100.00%	0.0%	100.0%	0.0%	0.00%	1,548	0.18	7.25	7.25	1.28	30.75	5.61	0.00	75%
Paint Parts Mixed 5:1 for spray application	9.60	43.30%	0.0%	43.3%	0.0%		8,448	0.96	4.16	4.16	4.01	96.21	17.56	5.75	75%
Stedman Blue Paint	9.21	34.00%	0.0%	34.0%	0.0%	55.60%	6,900	0.79	3.13	3.13	2.47	59.20	10.80	5.24	75%
Xylene	7.25	100.00%	0.0%	100.0%	0.0%	0.00%	1,548	0.18	7.25	7.25	1.28	30.75	5.61	0.00	75%
Paint Parts Mixed 5:1 for spray application	8.88	45.00%	0.0%	45.0%	0.0%		8,448	0.96	4.00	4.00	3.85	92.49	16.88	5.16	75%
											0.00				
Yellow Paint	9.16	34.00%	0.0%	34.0%	0.0%	44.30%	6,900	0.79	3.11	3.11	2.45	58.87	10.74	5.21	75%
Xylene	7.25	100.00%	0.0%	100.0%	0.0%	0.00%	1,548	0.18	7.25	7.25	1.28	30.75	5.61	0.00	75%
Paint Parts Mixed 5:1 for spray application	8.42	45.00%	0.0%	45.0%	0.0%		8,448	0.96	3.79	3.79	3.65	87.70	16.00	4.89	75%
Black Paint	9.13	34.50%	0.0%	34.5%	0.0%	55.30%	6,900	0.79	3.15	3.15	2.48	59.55	10.87	5.16	75%
Xylene	7.25	100.00%	0.0%	100.0%	0.0%	0.00%	1,548	0.18	7.25	7.25	1.28	30.75	5.61	0.00	75%
Paint Parts Mixed 5:1 for spray application	8.82	45.42%	0.0%	45.4%	0.0%		8,448	0.96	4.01	4.01	3.86	92.72	16.92	5.08	75%
Machine Tool Gray Paint	10.07	32.00%	0.0%	32.0%	0.0%	54.30%	6,900	0.79	3.22	3.22	2.54	60.92	11.12	5.91	75%
Xylene	7.25	100.00%	0.0%	100.0%	0.0%	0.00%	1,548	0.18	7.25	7.25	1.28	30.75	5.61	0.00	75%
Paint Parts Mixed 5:1 for spray application	9.60	43.30%	0.0%	43.3%	0.0%		8,448	0.96	4.16	4.16	4.01	96.21	17.56	5.75	75%
Primer	13.64	85.70%	0.1%	19.4%	0.1%	80.60%	6,644	0.76	2.65	2.65	2.01	48.17	8.79	1.62	75%
Xylene	7.25	100.00%	0.0%	100.0%	0.0%	0.00%	2,655	0.30	7.25	7.25	2.20	52.74	9.62	0.00	75%
Paint Parts Mixed 5:2 for spray application	11.81	85.70%	0.1%	42.4%	0.1%	57.57%	9,299	1.06	5.01	5.01	5.32	127.66	23.30	1.96	75%

Total Potential to Emit	Add worst case coating to all solvents	5.01	5.01	5.32	127.66	23.30	5.75
--------------------------------	---	-------------	-------------	-------------	---------------	--------------	-------------

METHODOLOGY

*Maximum Gallons per Hour (gal/hr) = 1.06 gallons coating per hour

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)

Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)

Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/hr)

Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)

Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/hr) / Maximum (hr) * (8760 hr/yr) * (1 ton/2000 lbs)

Particulate Potential Tons per Year = (gal/hr) * (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

Maximum loss due to over spray = 25%

Appendix A: Emission Calculations
Unlimited/Uncontrolled HAP Emission Calculations
EU-01 From Surface Coating Operations

Company Name: Stedman Machine Company
Address City IN Zip: 129 Franklin Street, Aurora, IN 47001
Permit Number: F029-40096-00006
Permit Reviewer: Tamara Havics

Unlimited/Uncontrolled HAP PTE

Material	Density (Lb/Gal)	Gallons of Material (gal/yr)	Max Annual Spraying time (hrs/yr)	Max annual Spray rate (gal/hr)	Weight % Xylene	Weight % Toluene	Weight % Ethylbenzene	Weight % Styrene	Weight % Naphthalene	Xylene Emissions (ton/yr)	Toluene Emissions (ton/yr)	Ethylbenzene Emissions (ton/yr)	Styrene Emissions (ton/yr)	Naphthalene Emissions (ton/yr)	Combined HAPs (ton/yr)
Paint Parts Mixed 5:1 for Spray Application (Cinder Block)	10.07	8,448	8,760	0.96	0.00%	0.00%	0.00%	2.00%	0.00%	0.00	0.00	0.00	0.85	0.00	0.85
Paint Parts Mixed 5:1 for Spray Application (Stedman Blue)	9.21	8,448	8,760	0.96	0.00%	0.00%	0.00%	3.00%	0.00%	0.00	0.00	0.00	1.17	0.00	1.17
Paint Parts Mixed 5:1 for Spray Application (Yellow)	9.16	8,448	8,760	0.96	0.00%	0.00%	0.00%	2.00%	0.00%	0.00	0.00	0.00	0.77	0.00	0.77
Paint Parts Mixed 5:1 for Spray Application (Black)	9.13	8,448	8,760	0.96	0.00%	0.00%	0.00%	3.00%	0.00%	0.00	0.00	0.00	1.16	0.00	1.16
Paint Parts Mixed 5:1 for Spray Application (Machine Tool Gray)	10.07	8,448	8,760	0.96	0.00%	0.00%	0.00%	2.00%	0.00%	0.00	0.00	0.00	0.85	0.00	0.85
Primer Mixed 5:2 for Spray Application	11.81	9,299	8,760	1.06	33.57%	0.00%	5.71%	0.00%	0.00%	18.43	0.00	3.14	0.00	0.00	21.57
Total Potential Emissions										18.43	0.00	3.14	1.17	0.00	21.57

METHODOLOGY

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

**Appendix A: Emissions Calculations
Particulate
From Batch Crushing Machine Operation
EU-02 Test Plant Building #4**

Company Name: Stedman Machine Company
Address City IN Zip: 129 Franklin Street, Aurora, IN 47001
Permit Number: F029-40096-00006
Permit Reviewer: Tamara Havics

Transfer Point ID	From	To	Throughput Assumptions	Estimated Throughput	PM Emission Factor	PM-10 Emission Factor	Uncontrolled PM Emissions		Uncontrolled PM-10 Emissions		Capture and Control Efficiency	Controlled PM Emissions		Controlled PM10 Emissions		Controlled PM2.5 Emissions		
--	--	--		tph	lb/ton	lb/ton	lb/hr	ton/yr	lb/hr	ton/yr	%	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	
--	--	--		A	B	C	D	E	F	G	H	I	J	K	L	M	N	
Batch Process for Crushing Machine TM49																		
	Loadin Drums	Feedhopper	200 lbs/batch, 1 batch/hour	0.10	0.0030	0.0011	0.0003	0.0013	0.0001	0.0005	85.50%	4.35E-05	1.91E-04	1.60E-05	6.99E-05	5.69E-06	2.49E-05	
	Feedhopper	Feed Conveyor TC56	200 lbs/batch, 1 batch/hour	0.10	0.0030	0.0011	0.0003	0.0013	0.0001	0.0005	85.50%	4.35E-05	1.91E-04	1.60E-05	6.99E-05	5.69E-06	2.49E-05	
	Feed Conveyor TC56	Crusher Machine TM49	200 lbs/batch, 1 batch/hour	0.10	0.0030	0.0011	0.0003	0.0013	0.0001	0.0005	85.50%	4.35E-05	1.91E-04	1.60E-05	6.99E-05	5.69E-06	2.49E-05	
Crusher Machine TM49 Processing			200 lbs/batch, 1 batch/hour	0.10	0.0390	0.0150	0.0039	0.0171	0.0015	0.0066	95.00%	1.95E-04	8.54E-04	7.50E-05	3.29E-04	2.68E-05	1.17E-04	
	Crusher Machine TM49	Discharge Conveyor TC57	200 lbs/batch, 1 batch/hour	0.10	0.0030	0.0011	0.0003	0.0013	0.0001	0.0005	85.50%	4.35E-05	1.91E-04	1.60E-05	6.99E-05	5.69E-06	2.49E-05	
	Discharge Conveyor TC57	Portable Collection Box	200 lbs/batch, 1 batch/hour	0.10	0.0030	0.0011	0.0003	0.0013	0.0001	0.0005	85.50%	4.35E-05	1.91E-04	1.60E-05	6.99E-05	5.69E-06	2.49E-05	
	Portable Collection Box	Loadout Drums	200 lbs/batch, 1 batch/hour	0.10	0.0030	0.0011	0.0003	0.0013	0.0001	0.0005	85.50%	4.35E-05	1.91E-04	1.60E-05	6.99E-05	5.69E-06	2.49E-05	
			Totals				0.0057	0.0250	0.0022	0.0095		4.56E-04	2.00E-03	1.71E-04	7.48E-04	6.09E-05	2.67E-04	
Batch Process for Machine TM48 Cage Mill																		
	Loadin Drums	Feedhopper	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	85.50%	2.18E-05	9.53E-05	7.98E-06	3.49E-05	2.85E-06	1.25E-05	
	Feedhopper	Feed Conveyor TC 56	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	85.50%	2.18E-05	9.53E-05	7.98E-06	3.49E-05	2.85E-06	1.25E-05	
	Feed Conveyor TC56	Crusher Machine TM48	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	85.50%	2.18E-05	9.53E-05	7.98E-06	3.49E-05	2.85E-06	1.25E-05	
Crusher Machine TM48 Processing			100 lbs/batch, 1 batch/hour	0.05	0.0390	0.0150	0.0020	0.0085	0.0008	0.0033	95.00%	9.75E-05	4.27E-04	3.75E-05	1.64E-04	1.34E-05	5.86E-05	
	Crusher Machine TM48	Portable Collection Box	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	85.50%	2.18E-05	9.53E-05	7.98E-06	3.49E-05	2.85E-06	1.25E-05	
	Portable Collection Box	Loadout Drums	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	85.50%	2.18E-05	9.53E-05	7.98E-06	3.49E-05	2.85E-06	1.25E-05	
			Totals				0.0027	0.0118	0.0010	0.0045		2.06E-04	9.03E-04	7.74E-05	3.39E-04	2.76E-05	1.21E-04	
Batch Process for Machines TM50, TM51, TM52, or TM 53																		
	Loadin Drums	Feedhopper	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	85.50%	2.18E-05	9.53E-05	7.98E-06	3.49E-05	2.85E-06	1.25E-05	
	Feedhopper	Feed Conveyor TC 56	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	85.50%	2.18E-05	9.53E-05	7.98E-06	3.49E-05	2.85E-06	1.25E-05	
	Feed Conveyor TC56	Machine TM50, TM51, TM52, or TM53	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	85.50%	2.18E-05	9.53E-05	7.98E-06	3.49E-05	2.85E-06	1.25E-05	
Crusher Machine TM50, 51, 52 or 53 Processing			100 lbs/batch, 1 batch/hour	0.05	0.0390	0.0150	0.0020	0.0085	0.0008	0.0033	95.00%	9.75E-05	4.27E-04	3.75E-05	1.64E-04	1.34E-05	5.86E-05	
	Machine T50, 51, 52 or 53	Portable Collection Box	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	85.50%	2.18E-05	9.53E-05	7.98E-06	3.49E-05	2.85E-06	1.25E-05	
	Portable Collection Box	Loadout Drums	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	85.50%	2.18E-05	9.53E-05	7.98E-06	3.49E-05	2.85E-06	1.25E-05	
			Totals				0.0027	0.0118	0.0010	0.0045		2.06E-04	9.03E-04	7.74E-05	3.39E-04	2.76E-05	1.21E-04	
					Worse case Totals			0.006	0.025	0.002	0.009	--	4.56E-04	2.00E-03	1.71E-04	7.48E-04	6.09E-05	2.67E-04

METHODOLOGY

Worse case Tables based on the physical constraints of operating only one process at a time.
Process throughputs are physically limited by the size of the portable collection box product collection.
Custom material throughput. See the throughput assumptions above and in the emission calculation table.
Emission factors for conveyor transfer points from the AP-42 Table 11.19.2-2 Emission Factors for Crushed Stone Processing Operations.
Uncontrolled PM Emission (lb/hr) = Estimated Throughput (tons/hr) * PM Emission Factor (lb/ton)
Uncontrolled PM Emission (tons/yr) = Uncontrolled PM Emission (lb/hr) * 8760 (hrs/yr)/2000 (lbs/ton)
Uncontrolled PM-10 Emissions (lb/hr) = Estimated Throughput (tons/hr) * PM-10 Emission Factor (lb/ton)
Uncontrolled PM-10 Emission (tons/yr) = Uncontrolled PM-10 Emission (lb/hr) * 8760 (hrs/yr)/2000 (lbs/ton)
H= Control efficiencies as follows: 90% capture efficiency for open transfer in building enclosure; 95% for baghouse.
Controlled PM Emission (lb/hr) = Uncontrolled PM Emission (lb/hr) * (1-(Capture and Control Efficiency))
Controlled PM Emission (tons/yr) = Uncontrolled PM Emission (tons/yr) * (1-(Capture and Control Efficiency))
Controlled PM-10 Emission (lb/hr) = Uncontrolled PM-10 Emission (lb/hr) * (1-(Capture and Control Efficiency))
Controlled PM-10 Emission (tons/yr) = Uncontrolled PM-10 Emission (tons/yr) * (1-(Capture and Control Efficiency))
Controlled PM-2.5 Emissions (lb/hr) = Controlled PM-10 Emissions (lb/hr) * (0.357) [the ratio of PM2.5 to PM10 from AP-42 Table 11.19.2-4]
Controlled PM-2.5 Emissions (tons/yr) = Controlled PM-10 Emissions (tons/yr) * (0.357) [the ratio of PM2.5 to PM10 from AP-42 Table 11.19.2-4]

Appendix A: Emissions Calculations
EU-03 Welding and Thermal Cutting

Company Name: Stedman Machine Company
Address City IN Zip: 129 Franklin Street, Aurora, IN 47001
Permit Number: F029-40096-00006
Permit Reviewer: Tamara Havics

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)	Electrode Type	EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
WELDING												
SW-02, 36, 39 (FCAW)	3	5	e-308	0.0091	0.00	0	0	0.137	0.000	0.000	0	0.000
SW-03(2), 04(2), 05(3), 07, 08, 09 (FCAW)	10	5	e-70	0.0151	0.00891	0.00005	0.00004	0.755	0.446	0.003	0.002	0.450
SW-06 (FCAW)	1	2.5	e-71	0.0122	0.00662	0.00004	0.00002	0.031	0.017	0.000	0.00005	0.017
SW-31, 32, 40 (FCAW)	3	6	HC-O	0.0570	0.00228	0.00228	0.01995	1.026	0.041	0.041	0.3591	0.441
SW-41 (SMAW)	1	5	e-7018	0.0184	0.01030	0.00002	0.00006	0.092	0.052	0.000	0.0003	0.052
FLAME CUTTING	Number of Stations	Max. Metal Thickness Cut (in.)	Max. Metal Cutting Rate (in./minute)	EMISSION FACTORS (lb pollutant/1,000 inches cut, 1" thick)**				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
Oxyacetylene (SB-01, OxyPropylene)	1	3	10	0.1622	0.0005	0.0001	0.0003	0.292	0.001	0.000	0.001	0.002
Hand Held Plasma Cutter (SB-11)	1	1	20	0.026	0.0002	0	0	0.031	0.000	0.000	0.000	0.000
EMISSION TOTALS								PM = PM10	Mn	Ni	Cr	HAPS
Potential Emissions lbs/hr								2.36	0.56	0.04	0.36	0.96
Potential Emissions lbs/day								56.72	13.34	1.05	8.69	23.08
Potential Emissions tons/year								10.35	2.43	0.19	1.59	4.21

Methodology:

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

The HC-O PM factors are the worse case (FCAW) factor from AP-42 and multiplied by the HAPs wt. % content from MSDS.

**Emission Factor for plasma cutting from American Welding Society (AWS). Trials reported for wet cutting of 8 mm thick mild steel with 3.5 m/min cutting speed (at 0.2 g/min emitted). Therefore, the emission factor for plasma cutting is for 8 mm thick rather than 1 inch, and the maximum metal thickness is not used in calculating the emissions.

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

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

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

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

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

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

**Appendix A: Emissions Calculations
Particulate
From Batch Crushing Machine Operation
EU-04 Proposed New Test Plant Building #5**

Company Name: Stedman Machine Company
Address City IN Zip: 129 Franklin Street, Aurora, IN 47001
Permit Number: F029-40096-00006
Permit Reviewer: Tamara Havics

Transfer Point ID	From	To	Throughput Assumptions	Estimated Throughput	PM Emission Factor	PM-10 Emission Factor	Uncontrolled PM Emissions		Uncontrolled PM-10 Emissions		Capture and Control Efficiency	Controlled PM Emissions		Controlled PM10 Emissions		Controlled PM2.5 Emissions	
--	--	--		ton/yr	lb/ton	lb/ton	lb/hr	ton/yr	lb/hr	ton/yr	%	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
--	--	--		A	B	C	D	E	F	G	H	I	J	K	L	M	N
Toll Process for Crushing Machine TM59, Closed Circuit Operation																	
	Loadin Drums	Feedhopper	10 ton/hr (2/3 makeup)	10.00	0.0030	0.0011	0.0300	0.1314	0.0110	0.0482	85.50%	4.35E-03	1.91E-02	1.60E-03	6.99E-03	5.69E-04	2.49E-03
	Feedhopper	Feed Conveyor TC 67	10 ton/hr (2/3 makeup)	10.00	0.0030	0.0011	0.0300	0.1314	0.0110	0.0482	85.50%	4.35E-03	1.91E-02	1.60E-03	6.99E-03	5.69E-04	2.49E-03
	Transfer Conveyor TC67	Feed Conveyor TC68	15 ton/hr	15.00	0.0030	0.0011	0.0450	0.1971	0.0165	0.0723	85.50%	6.53E-03	2.86E-02	2.39E-03	1.05E-02	8.54E-04	3.74E-03
	Transfer Conveyor TC68	Crusher Machine TM59	15 ton/hr	15.00	0.0030	0.0011	0.0450	0.1971	0.0165	0.0723	85.50%	6.53E-03	2.86E-02	2.39E-03	1.05E-02	8.54E-04	3.74E-03
	Crusher Machine TM59 Processing		15 ton/hr	15.00	0.0390	0.0150	0.5850	2.5623	0.2250	0.9855	95.00%	2.93E-02	1.28E-01	1.13E-02	4.93E-02	4.02E-03	1.76E-02
	Crusher Machine TM59	Discharge Conveyor TC69	15 ton/hr	15.00	0.0030	0.0011	0.0450	0.1971	0.0165	0.0723	85.50%	6.53E-03	2.86E-02	2.39E-03	1.05E-02	8.54E-04	3.74E-03
	Transfer Conveyor TC69	Discharge Conveyor TC70	15 ton/hr	15.00	0.0030	0.0011	0.0450	0.1971	0.0165	0.0723	85.50%	6.53E-03	2.86E-02	2.39E-03	1.05E-02	8.54E-04	3.74E-03
	Transfer Conveyor TC70	3-Deck Screen TM61	15 ton/hr	15.00	0.0030	0.0011	0.0450	0.1971	0.0165	0.0723	85.50%	6.53E-03	2.86E-02	2.39E-03	1.05E-02	8.54E-04	3.74E-03
	3-Deck Screen TM61 Processing		15 ton/hr	15.00	0.3000	0.0720	4.5000	19.7100	1.0800	4.7304	95.00%	2.25E-01	9.86E-01	5.40E-02	2.37E-01	1.93E-02	8.44E-02
	3-Deck Screen TM61 (Deck 1)	Transfer Conveyor TC66	5 ton/hr (1/3 circuit separation)	5.00	0.0030	0.0011	0.0150	0.0657	0.0055	0.0241	95.00%	7.50E-04	3.29E-03	2.75E-04	1.20E-03	9.82E-05	4.30E-04
	Transfer Conveyor TC66	Transfer Conveyor TC67	5 ton/hr (1/3 circuit separation)	5.00	0.0030	0.0011	0.0150	0.0657	0.0055	0.0241	95.00%	7.50E-04	3.29E-03	2.75E-04	1.20E-03	9.82E-05	4.30E-04
	3-Deck Screen TM61 (Deck 2)	Loadout Drums	5 ton/hr (1/3 separation)	5.00	0.0030	0.0011	0.0150	0.0657	0.0055	0.0241	95.00%	7.50E-04	3.29E-03	2.75E-04	1.20E-03	9.82E-05	4.30E-04
	3-Deck Screen TM61 (Deck 3)	Loadout Drums	5 ton/hr (1/3 separation)	5.00	0.0030	0.0011	0.0150	0.0657	0.0055	0.0241	95.00%	7.50E-04	3.29E-03	2.75E-04	1.20E-03	9.82E-05	4.30E-04
			Totals				5.43	23.78	1.43	6.27		0.30	1.31	0.08	0.36	0.03	0.13
Batch Process for Machine TM58, Vertical Roll Mill																	
	Loading Drums	Feedhopper	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	85.50%	2.18E-05	9.53E-05	7.98E-06	3.49E-05	2.85E-06	1.25E-05
	Feedhopper	Mill Machine TM58	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	85.50%	2.18E-05	9.53E-05	7.98E-06	3.49E-05	2.85E-06	1.25E-05
	Verticle Mill Machine TM58 Processing		100 lbs/batch, 1 batch/hour	0.05	0.0390	0.0150	0.0020	0.0085	0.0008	0.0033	95.00%	9.75E-05	4.27E-04	3.75E-05	1.64E-04	1.34E-05	5.86E-05
	Mill Machine TM58	Cyclone Separator	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	95.00%	7.50E-06	3.29E-05	2.75E-06	1.20E-05	9.82E-07	4.30E-06
	Cyclone Separator	Mill Machine TM58	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	95.00%	7.50E-06	3.29E-05	2.75E-06	1.20E-05	9.82E-07	4.30E-06
	Cyclone Separator	Baghouse Collector	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	95.00%	7.50E-06	3.29E-05	2.75E-06	1.20E-05	9.82E-07	4.30E-06
	Baghouse Collector	Loadout Drum	100 lbs/batch, 1 batch/hour	0.05	0.0030	0.0011	0.0002	0.0007	0.0001	0.0002	95.00%	7.50E-06	3.29E-05	2.75E-06	1.20E-05	9.82E-07	4.30E-06
			Totals				0.0026	0.0125	0.0011	0.0047		1.71E-04	7.49E-04	6.45E-05	2.82E-04	2.30E-05	1.01E-04
Batch Process for Machine TM60 Impact Crusher																	
	Loading Drums	Feedhopper	200 lbs/batch, 1 batch/hour	0.10	0.0030	0.0011	0.0003	0.0013	0.0001	0.0005	85.50%	4.35E-05	1.91E-04	1.60E-05	6.99E-05	5.69E-06	2.49E-05
	Feedhopper	Transfer Conveyor TC 68	200 lbs/batch, 1 batch/hour	0.10	0.0030	0.0011	0.0003	0.0013	0.0001	0.0005	85.50%	4.35E-05	1.91E-04	1.60E-05	6.99E-05	5.69E-06	2.49E-05
	Transfer Conveyor TC68	Crusher Machine TM60	200 lbs/batch, 1 batch/hour	0.10	0.0030	0.0011	0.0003	0.0013	0.0001	0.0005	85.50%	4.35E-05	1.91E-04	1.60E-05	6.99E-05	5.69E-06	2.49E-05
	Crusher Machine TM59 Processing		200 lbs/batch, 1 batch/hour	0.10	0.0390	0.0150	0.0039	0.0171	0.0015	0.0066	95.00%	1.95E-04	8.54E-04	7.50E-05	3.29E-04	2.68E-05	1.17E-04
	Crusher Machine TM59	Portable Pan	200 lbs/batch, 1 batch/hour	0.10	0.0030	0.0011	0.0003	0.0013	0.0001	0.0005	85.50%	4.35E-05	1.91E-04	1.60E-05	6.99E-05	5.69E-06	2.49E-05
	Portable Pan	Loadout Drums	200 lbs/batch, 1 batch/hour	0.10	0.0030	0.0011	0.0003	0.0013	0.0001	0.0005	85.50%	4.35E-05	1.91E-04	1.60E-05	6.99E-05	5.69E-06	2.49E-05
			Totals				0.0054	0.0237	0.0021	0.0090		4.13E-04	1.81E-03	1.55E-04	6.78E-04	5.52E-05	2.42E-04
Worse case Totals							5.430	23.78	1.43	6.27	--	0.30	1.31	0.08	0.36	0.03	0.13

Total Potential to Emit

METHODOLOGY

Worse case Tables based on the physical constraints of operating only one process at a time.

Process throughputs are physically limited by the size of the portable collection box product collection.

A: Custom material throughput. See the throughput assumptions above and in the emission calculation table.

B, C: Emission factors for conveyor transfer points from the AP-42 Table 11.19.2-2 Emission Factors for Crushed Stone Processing Operations.

Uncontrolled PM Emission (lb/hr) = Estimated Throughput (tons/hr) * PM Emission Factor (lb/ton)

Uncontrolled PM Emission (tons/hr) = Uncontrolled PM Emission (lb/hr) * 8760 (hrs/yr)/2000 (lbs/ton)

Uncontrolled PM-10 Emissions (lb/hr) = Estimated Throughput (tons/hr) * PM-10 Emission Factor (lb/ton)

Uncontrolled PM-10 Emission (tons/hr) = Uncontrolled PM-10 Emission (lb/hr) * 8760 (hrs/yr)/2000 (lbs/ton)

H = Control efficiencies as follows: 90% capture efficiency for open transfer in building enclosure; 95% for baghouse.

Controlled PM Emission (lb/hr) = Uncontrolled PM Emission (lb/hr) * (1 - (Capture and Control Efficiency))

Controlled PM Emission (tons/yr) = Uncontrolled PM Emission (tons/yr) * (1 - (Capture and Control Efficiency))

Controlled PM-10 Emission (lb/hr) = Uncontrolled PM-10 Emission (lb/hr) * (1 - (Capture and Control Efficiency))

Controlled PM-10 Emission (tons/yr) = Uncontrolled PM-10 Emission (tons/yr) * (1 - (Capture and Control Efficiency))

Controlled PM-2.5 Emissions (lb/hr) = Controlled PM-10 Emissions (lb/hr) * (0.357) [the ratio of PM2.5 to PM10 from AP-42 Table 11.19.2-4]

Controlled PM-2.5 Emissions (tons/yr) = Controlled PM-10 Emissions (tons/yr) * (0.357) [the ratio of PM2.5 to PM10 from AP-42 Table 11.19.2-4]

Appendix A: Emissions Calculations
VOC and HAP
From Production Area Parts Washer and Brake Cleaner
IA-01 Parts Cleaning - Building #1

Company Name: Stedman Machine Company
Address City IN Zip: 129 Franklin Street, Aurora, IN 47001
Permit Number: F029-40096-00006
Permit Reviewer: Tamara Havics

The Surface Area of the Maintenance area Cold Cleaner/Parts Washer is 6 square feet.

This unit uses Safety-Kleen Premium Gold Solvent which is no greater than 1.0 mmHg at 20 C.

Worse case emissions based on AP-42 Table 4.6-2

Entire unit emissions are 0.33 tons/yr/unit VOC

Alternatively, another example based on trichloroethane degreaser uses 0.08 lb/hr/squareft.

Worse case using 8760 hours =	2.10	tons/yr VOC
	0.48	lb/hr VOC

Brake cleaner material is Brakleen Brake Parts Cleaner - non-chlorinated aerosol cans.
Maximum 5 cans per day usage.

	Can Size	Density	Use	Use	VOC	Toluene	Methanol	CO2
Brake Cleaner	16	6.858	5	4.29	80.00%	45%	35%	10%
	oz.	lb/gal	can/day	lb/day	3.43	1.93	1.50	0.43
			228	lb/hr	0.14	0.08	0.06	0.02
			gal/yr	ton/yr	0.63	0.35	0.27	0.08

Total Worse Case =	Cold Cleaner/Parts Washer (tpy) + Break Cleaner (tpy)
2.10	+ 0.63 = 2.73 tons/yr VOC

METHODOLOGY

Total VOC (lb/hr) = (0.08) lb/hr/sq ft * Surface Area of the Maintenance area Cold Cleaner/Parts Washer

Total VOC (lb/day) = (0.08) lb/hr/sq ft * Surface Area of the Maintenance area Cold Cleaner/Parts Washer

Total VOC (tpy) = Total VOC (lb/hr) * 24 (hr/day)

Brake Cleaner (tpy) = Density (lb/gal) * (gal/yr) / 2000 (lb/ton) * (% VOC)

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
IA-02 Plant Space Heaters and Furnaces

Company Name: Stedman Machine Company
Address City IN Zip: 129 Franklin Street, Aurora, IN 47001
Permit Number: F029-40096-00006
Permit Reviewer: Tamara Havics

	# units	MMBtu/hr	Total MMBtu/hr
Infrared Heater	8	0.05	0.4
Infrared Heater	6	0.075	0.45
Infrared Heater	16	0.0715	1.144
Heater	2	0.075	0.15
Heater	1	0.075	0.075
Furnace	3	0.125	0.375
Furnace	1	0.125	0.125
		Total	2.719

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
2.7	1020	23.4

	Pollutant						
Emission Factor in lb/MMCF	PM* 1.9	PM10* 7.6	direct PM2.5* 7.6	SO2 0.6	NOx 100 **see below	VOC 5.5	CO 84
Potential Emission in tons/yr	0.02	0.09	0.09	0.01	1.17	0.06	0.98

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

PM2.5 emission factor is filterable and condensable PM2.5 combined.

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

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

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

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

HAPS Calculations

	HAPs - Organics					Total - Organics
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03	2.197E-02
Potential Emission in tons/yr	2.452E-05	1.401E-05	8.757E-04	2.102E-02	3.970E-05	

	HAPs - Metals					Total - Metals
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03	6.398E-05
Potential Emission in tons/yr	5.838E-06	1.284E-05	1.635E-05	4.437E-06	2.452E-05	
					Total HAPs	2.203E-02
					Worst HAP	2.102E-02

Methodology is the same as above.

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emission Calculations
Fugitive Dust Emissions - Paved Roads

Company Name: Stedman Machine Company
Address City IN Zip: 129 Franklin Street, Aurora, IN 47001
Permit Number: F029-40096-00006
Permit Reviewer: Tamara Havics

Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (1/2011).

Vehicle Information (provided by source)

Type	Maximum number of vehicles per day	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Steel/Finished Machine Tractor/Trailer Full Load	20.0	1.0	20.0	50.0	1000.0	20	0.004	0.1	27.7
Steel/Finished Machine Tractor/Trailer Empty Load	20.0	1.0	20.0	12.0	240.0	20	0.004	0.1	27.7
Material Delivery Truck (entering plant warehouse)(one-way trip)	12.0	1.0	12.0	15.0	180.0	30	0.006	0.1	24.9
Material Delivery Truck (leaving plant warehouse)(one-way trip)	12.0	1.0	12.0	15.0	180.0	30	0.006	0.1	24.9
Material Handling Fork Truck to Test Plant	1.0	6.0	6.0	4.5	27.0	50	0.009	0.1	20.7
Material Handling Fork Truck from Test Plant	1.0	6.0	6.0	4.5	27.0	50	0.009	0.1	20.7
Totals			76.0		1654.0			0.4	146.6

Average Vehicle Weight Per Trip =

21.8

 tons/trip
Average Miles Per Trip =

0.01

 miles/trip

Unmitigated Emission Factor, Ef = $[k * (sL)^{0.91} * (W)^{1.02}]$ (Equation 1 from AP-42 13.2.1)

	PM	PM10	PM2.5	
where k =	0.011	0.0022	0.00054	lb/MT = particle size multiplier (AP-42 Table 13.2.1-1)
W =	21.8	21.8	21.8	tons = average vehicle weight (provided by source)
sL =	9.7	9.7	9.7	g/m ² = silt loading value for paved roads at iron and steel production facilities - Table 13.2.1-3)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext = $E * [1 - (p/4N)]$ (Equation 2 from AP-42 13.2.1)

Mitigated Emission Factor, Eext = $Ef * [1 - (p/4N)]$
where p =

125

 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
N =

365

 days per year

	PM	PM10	PM2.5	
Unmitigated Emission Factor, Ef =	2.013	0.403	0.0988	lb/mile
Mitigated Emission Factor, Eext =	1.841	0.368	0.0904	lb/mile

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)
Steel/Finished Machine Tractor/Trailer Full Load (Shop Road)	0.03	0.01	0.00	0.03	0.01	0.00
Steel/Finished Machine Tractor/Trailer Empty Load (Shop Road)	0.03	0.01	0.00	0.03	0.01	0.00
Material Delivery Truck (entering plant warehouse)(one-way trip)	0.03	0.01	0.00	0.02	0.00	0.00
Material Delivery Truck (leaving plant warehouse)(one-way trip)	0.03	0.01	0.00	0.02	0.00	0.00
Material Handling Fork Truck to Test Plant	0.03	0.01	0.00	0.02	0.00	0.00
Material Handling Fork Truck from Test Plant	0.02	0.00	0.00	0.02	0.00	0.00
Totals	0.15	0.03	0.01	0.14	0.03	0.01

Methodology

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
Average Miles Per Trip (miles/day) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
Unmitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Unmitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
Mitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Mitigated Emission Factor (lb/mile)] * (ton/2000 lbs)

Abbreviations

PM = Particulate Matter
PM10 = Particulate Matter (<10 um)
PM2.5 = Particulate Matter (<2.5 um)
PTE = Potential to Emit

Appendix A: Emission Calculations
Fugitive Dust Emissions - Unpaved Roads

Company Name: Stedman Machine Company
Address City IN Zip: 129 Franklin Street, Aurora, IN 47001
Permit Number: F029-40096-00006
Permit Reviewer: Tamara Havics

Unpaved Roads at Industrial Site

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (11/2006).

Vehicle Information (provided by source)

Type	Maximum number of vehicles	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Material Handling Fork Truck	1.0	24.0	24.0	7.5	180.0	100	0.019	0.5	165.9
Totals			24.0		180.0			0.5	165.9

Average Vehicle Weight Per Trip = $\frac{7.5}{1}$ tons/trip
Average Miles Per Trip = $\frac{0.02}{1}$ miles/trip

Unmitigated Emission Factor, $E_f = k \cdot [(s/12)^a] \cdot [(W/3)^b]$ (Equation 1a from AP-42 13.2.2)

	PM	PM10	PM2.5	
where k =	4.9	1.5	0.15	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)
s =	4.8	4.8	4.8	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-1 Sand/Gravel Processing Plant)
a =	0.7	0.9	0.9	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)
W =	7.5	7.5	7.5	tons = average vehicle weight (provided by source)
b =	0.45	0.45	0.45	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E \cdot [(365 - P)/365]$ (Equation 2 from AP-42 13.2.2)

Mitigated Emission Factor, $E_{ext} = E \cdot [(365 - P)/365]$

where P = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	PM2.5	
Unmitigated Emission Factor, E_f =	3.90	0.99	0.10	lb/mile
Mitigated Emission Factor, E_{ext} =	2.56	0.65	0.07	lb/mile

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)
Material Handling Fork Truck (Gravel Lot)	0.32	0.08	0.01	0.21	0.05	0.01
Totals	0.32	0.08	0.01	0.21	0.05	0.01

Methodology

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
Maximum one-way miles (miles/day) = [Maximum trips per day (trip/day)] * [Maximum one-way distance (mi/trip)]
Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per day (trip/day)]
Unmitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Unmitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
Mitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) * (Mitigated Emission Factor (lb/mile)) * (ton/2000 lbs)

Abbreviations

PM = Particulate Matter
PM10 = Particulate Matter (<10 μ m)
PM2.5 = Particulate Matter (<2.5 μ m)
PTE = Potential to Emit



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

December 5, 2018

Mr. Jason Stewart
Stedman Machine Company
129 Franklin Street
Aurora, IN 47001

Re: Public Notice
Stedman Machine Company
Permit Level: Federally Enforceable State
Operating Permit (FESOP) Renewal
Permit Number: 029-40096-00006

Dear Mr. Stewart:

Enclosed is a copy of your draft Federally Enforceable State Operating Permit (FESOP) Renewal, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has prepared two versions of the Public Notice Document. The abbreviated version will be published in the newspaper, and the more detailed version will be made available on the IDEM's website and provided to interested parties. Both versions are included for your reference. The OAQ has requested that the Journal Press in Lawrenceburg, Indiana publish the abbreviated version of the public notice no later than December 11, 2018. You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper.

OAQ has submitted the draft permit package to the Aurora Public Library, 414 Second Street in Aurora, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Tamara Havics, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension (317) 232-8219 or dial (317) 232-8219.

Sincerely,

Vivian Haun

Vivian Haun
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover Letter 1/9/2017



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

December 4, 2018

Journal Press
126 West High Street
PO Box 4128
Lawrenceburg, IN 47025

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Stedman Machine Company, Dearborn County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than December 11, 2018.

Please send the invoice, notarized form, clippings showing the date of publication to Bo Liu, at the Indiana Department of Environmental Management, Accounting, Room N1340, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Vivian Haun at 800-451-6027 and ask for extension 317-233-6878 or dial 317-233-6878.

Sincerely,

Vivian Haun

Vivian Haun
Permit Branch
Office of Air Quality

Permit Level: Federally Enforceable State Operating Permit (FESOP) Renewal
Permit Number: 029-40096-00006

Enclosure
PN Newspaper.dot 1/9/2017



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

December 5, 2018

To: Aurora Public Library

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

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

Applicant Name: Stedman Machine Company
Permit Number: 029-40096-00006

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

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

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

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

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

Enclosures
PN Library 1/9/2017



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

Notice of Public Comment

December 5, 2018
Stedman Machine Company
029-40096-00006

Dear Concerned Citizen(s):

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


Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

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

Please Note: *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
PN AAA Cover Letter 1/9/2017

Mail Code 61-53

IDEM Staff	VHAUN 12/5/2018 Stedman Machine Company 029-40096-00006 DRAFT			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handling Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Jason Stewart Stedman Machine Company 129 Franklin St Aurora IN 47001 (Source RM)										
2		David Vest Manufacturing Manager Stedman Machine Company 129 Franklin St Aurora IN 47001 (RO RM)										
3		Michael & Monica Ramsey 9931 Old SR 56 Aurora IN 47001 (Affected Party)										
4		Aurora Public Library 414 Second St Aurora IN 47001-1384 (Library)										
5		Dearborn County Commissioner 215 B West High Street Lawrenceburg IN 47025 (Local Official)										
6		Dearborn County Health Department 215-b W. Hight St, County Admin Building Lawrenceburg IN 47025-1910 (Health Department)										
7		Mr. John Teaney P.O. Box 494 10837 Aurora IN 47001 (Affected Party)										
8		Aurora City Council and Mayors Office P.O. Box 158 Aurora IN 47001 (Local Official)										
9		Ken & Jackie Greive 4685 E. Laughery Creek Road Aurora IN 47001 (Affected Party)										
10		Marlin M. Guss, Jr. 10400 Millstone Dr, P.O. Box 272 Aurora IN 47001 (Affected Party)										
11		Mrs. Shirley Greive 4412 E. Laughery Aurora IN 47001 (Affected Party)										
12		Sam & Nancy Valone 3826 E. Laughery Creek Rd Aurora IN 47001 (Affected Party)										
13		Mrs. Melanie Bushorn 4172 E. Laughery Creek Rd Aurora IN 47001 (Affected Party)										
14		Greendale City Council and Mayors Office 500 Ridge Ave Greendale IN 47025 (Local Official)										
15		Chandra Mattingly Rising Sun Recorder and Ohio County News 235 Main St Rising Sun IN 47040 (Affected Party)										

Total number of pieces Listed by Sender 15	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
--	--	--	--