



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

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

TO: Interested Parties / Applicant
DATE: December 11, 2013
RE: Major Tool and Machine / 097 - 33318 - 00275
FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER.dot 6/13/13



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

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

Federally Enforceable State Operating Permit
Renewal
OFFICE OF AIR QUALITY

Major Tool and Machine
1458 E. 19th Street
Indianapolis, Indiana 46218

(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.: F097-33318-00275	
Issued by:  Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: December 11, 2013 Expiration Date: December 11, 2023

TABLE OF CONTENTS

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)(l)]	
A.4 FESOP Applicability [326 IAC 2-8-2]	
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]	
C. SOURCE OPERATION CONDITIONS	17
Emission Limitations and Standards [326 IAC 2-8-4(1)]	
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)]	
C.7 Performance Testing [326 IAC 3-6]	
Compliance Requirements [326 IAC 2-1.1-11]	
C.8 Compliance Requirements [326 IAC 2-1.1-11]	
Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]	

- 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)]

- C.11 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
- C.12 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]
- C.13 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]
- C.14 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)]

- C.15 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]
- C.16 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

Stratospheric Ozone Protection

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

D.1. EMISSIONS UNIT OPERATION CONDITIONS..... 24

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

- D.1.1 FESOP Limitations [326 IAC 2-8-4]
- D.1.2 Particulate Matter Limitations [326 IAC 6.5]
- D.1.3 Volatile Organic Compound [326 IAC 8-2-9]
- D.1.4 Preventive Maintenance Plan

Compliance Determination Requirements

- D.1.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-2][326 IAC 8-1-4]
- D.1.6 Volatile Organic Compounds (VOC) [326 IAC 8-1-2]

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

- D.1.7 Monitoring

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

- D.1.8 Record Keeping Requirement
- D.1.9 Reporting Requirements

D.2. EMISSIONS UNIT OPERATION CONDITIONS..... 24

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

- D.2.1 FESOP Limitations [326 IAC 2-8-4]
- D.2.2 PSD Minor Limit and Particulate Matter Limitations [326 IAC 2-2] [326 IAC 6.5]
- D.2.3 Particulate Matter Limitations [326 IAC 6.5]
- D.2.4 Preventive Maintenance Plan

Compliance Determination Requirements

- D.2.5 Particulate Control
- D.2.6 Broken or Failed Bag Detection

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

- D.2.7 Semi-Annual Inspections

Certification Form	30
Emergency Occurrence Form	31
Quarterly Report Form	33
Quarterly Deviation and Compliance Monitoring Report Form	36

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 industrial and commercial machinery manufacturing plant.

Source Address:	1458 E. 19th Street, Indianapolis, Indiana 46218
General Source Phone Number:	317-636-6433
SIC Code:	3599
County Location:	Marion
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset 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:

- (a) One (1) paint spray booth, identified as PB-1, installed in June 1992, equipped with two (2) air atomization paint spray guns (with only one (1) paint spray gun can be used at any one time), air filters for overspray control, one(1) natural gas fired make up heater rated at 3.88 MMBtu/hr, and one (1) natural gas fired drying oven rated at 2.5 MMBtu/hr. The spray booth has a maximum coating rate of 0.5 units per hour with rated material usage of 3 gallons per unit and exhausts through two (2) exhaust stacks, identified as 001 and 002 with a total exhaust rate of 40,000 acfm.
- (b) One (1) coating booth, identified as EU PB-2, approved for construction in 2008, with a maximum capacity of 24 parts coated per day and 2 gallons of coating per part for a maximum capacity of forty-eight (48) gallons of coating per day, with electrostatic spraying as the application method, using dry filters as particulate control, and exhausting through one stack, identified as S-PB-2, with a total exhaust rate of 1,680 acfm.
- (c) One (1) single chamber blast machine, identified as SB-1, installed in August 1992, utilizing Aluminum Oxide as the blasting media, using one (1) single nozzle at 3/8th inch diameter and nozzle pressure of 100 psig. The blast machine uses one (1) baghouse with one (1) Vari-Pak cartridge filter for particulate matter control. The exhaust gas from the blast machine is vented back into building at a rate of 23,000 acfm.
- (d) One (1) shot blasting machine for surface preparation of parts before they are coated, identified as EU SB-2, approved for construction in 2008, with a maximum capacity of 24 parts blasted per day, consisting of a mechanical wheel that throws the shot at the parts within the machine, using a baghouse for control, and exhausting indoors.

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

This stationary source also includes the following insignificant activities:

- (a) Spray can touch up painting of production items.
- (b) Plant #1 (West) natural gas fired combustion furnaces and heaters at a total heat input of 0.8 MMBtu/hr. [326 IAC 6.5]
- (c) Plant #2 (East) natural gas fired combustion furnaces and heaters at a total heat input of 3.6 MMBtu/hr. [326 IAC 6.5]
- (d) Plant #3 natural gas fired combustion furnaces and heaters at a total heat input of 1.6 MMBtu/hr. [326 IAC 6.5]
- (e) Bldg 20 natural gas fired combustion furnaces and heaters at a total heat input of 7.0 MMBtu/hr. [326 IAC 6.5]
- (f) Vessels storing lubricating oils, hydraulic oils, machining oils and machining fluids.
- (g) Machining where an aqueous cutting coolant continuously floods the machining interface.
- (h) Brazing equipment, cutting torches, soldering equipment and welding equipment not resulting in HAP's emissions.
- (i) Application of oils, greases, lubricants and other non-volatiles applied as temporary protective coatings.
- (j) Cleaners and solvent(s) usage not exceeding 145 gallons per 12 months.
- (k) Structural steel and bridge fabrication activities of less than 80 tons/yr welding consumables and cutting less than 200,00 linear feet of one (1) inch plate or equivalent.
- (l) Process vessel degassing and cleaning to prepare for internal repairs.
- (m) Paved and unpaved roads and parking lots with public access.
- (n) A natural gas fired paint-curing oven rated at 2.5 MMBtu/hr. [326 IAC 6.5]
- (o) Emissions resulting from metal inspection operations considered to be an activity with emissions equal to or less than the threshold equaling 3 pounds per hour or 15 pounds per day for Volatile Organic Compounds (VOC).
- (p) Emissions resulting from the self-contained paint gun and line cleaning unit considered to be an activity with emissions equal to or less than the threshold equaling 3 pounds per hour or 15 pounds per day for VOC.
- (q) Emissions resulting from the application of protective metal coatings considered to be an activity with emissions equal to or less than the threshold equaling 3 pounds per hour or 15 pounds per day for VOC.
- (r) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs.
- (s) Heat exchanger cleaning and repair.
- (t) Purging gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.

- (u) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (v) Blowout for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (x) Hand-wipe cleaning, identified as EU HWC, utilizing an isopropyl alcohol solution for cleaning of metal parts, with a maximum capacity of 600 gallons per twelve (12) consecutive month period.
- (y) New building natural gas-fired heaters at a total heat input of 5.06 MMBtu/hr
- (z) One (1) woodworking operation, used to construct wood shipping crates, using a baghouse as a control, and exhausting indoors, consisting of the following:
 - (1) One (1) panel saw;
 - (2) One (1) table saw;
- (aa) One (1) prima laser metal cutting work center, using a baghouse as control, and exhausting indoors.

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, F097-33318-00275, 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 April 15 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 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, 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

- (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 F097-33318-00275 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(40). 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 IGCM 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) and greenhouse gases (GHGs), 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.
 - (4) The potential to emit greenhouse gases (GHGs) from the entire source shall be limited to less than one hundred thousand (100,000) tons of CO₂ equivalent emissions (CO₂e) 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][326 IAC 2-8-5(a)(1)]

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

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 or of initial start-up, whichever is later, 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 or the date of initial startup, whichever is later, 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).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

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 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.12 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.13 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.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

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

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

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

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

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

- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the FESOP.

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

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

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

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

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

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

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

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

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

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

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:

- (a) One (1) paint spray booth, identified as PB-1, installed in June 1992, equipped with two (2) air atomization paint spray guns (with only one (1) paint spray gun can be used at any one time), air filters for overspray control, one(1) natural gas fired make up heater rated at 3.88 MMBtu/hr, and one (1) natural gas fired drying oven rated at 2.5 MMBtu/hr. The spray booth has a maximum coating rate of 0.5 units per hour with rated material usage of 3 gallons per unit and exhausts through two (2) exhaust stacks, identified as 001 and 002 with a total exhaust rate of 40,000 acfm.
- (b) One (1) coating booth, identified as EU PB-2, approved for construction in 2008, with a maximum capacity of 24 parts coated per day and 2 gallons of coating per part for a maximum capacity of forty-eight (48) gallons of coating per day, with electrostatic spraying as the application method, using dry filters as particulate control, and exhausting through one stack, identified as S-PB-2, with a total exhaust rate of 1,680 acfm.

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

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

D.1.1 FESOP Limits [326 IAC 2-8-4]

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the source shall comply with the following:

- (a) The total input of VOC at PB-1 shall not exceed 60 tons per twelve (12) consecutive, with compliance determined at the end of each month.
- (b) The combination of HAPs delivered to the two (2) surface coating booths, identified as PB-1 and PB-2, shall not exceed 23 tons per twelve (12) consecutive month period, including coatings, dilution solvents, and cleaning solvents, with compliance determined at the end of each month. Therefore, the requirements of 40 CFR Part 63, Subpart Mmmm are not applicable.
- (c) The worst case single HAP delivered to the two (2) surface coating booths, identified as PB-1 and PB-2, shall not exceed 8 tons per twelve (12) consecutive month period, including coatings, dilution solvents, and cleaning solvents, with compliance determined at the end of each month. Therefore, the requirements of 40 CFR Part 63, subpart Mmmm are not applicable.

Compliance with these limits, combined with the potential to emit VOCs and HAPs from all other emission units at this source shall limit the source-wide potential to emit of VOC to less than one-hundred (100) tons per 12 consecutive month period, combined HAPs to less than twenty-five (25) tons per 12 consecutive month period and any single HAP to less than ten (10) tons per 12 consecutive 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.

D.1.2 Particulate Matter Limitations [326 IAC 6.5]

Pursuant to the requirements of 326 IAC 6.5-1-2(h), the two (2) paint booths (PB-1 and PB-2):

- (a) Shall be controlled by a dry particulate filter;

- (b) The source shall operate the control device in accordance with manufacturer's specifications.

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

- (a) Pursuant to 326 IAC 8-2-9, the Permittee shall not allow the discharge into the atmosphere of VOC in excess of three and five tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator for prime and topcoat or single coat operations.
- (b) Work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials. Work practices shall include, but not be limited to, the following:
- (1) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
 - (2) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.
 - (3) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
 - (4) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one (1) location to another in closed containers or pipes.
 - (5) Minimize VOC emissions from the cleaning of application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

D.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B -- Preventive Maintenance Plan contains the Permittee's obligation with regard to preventive maintenance plans.

Compliance Determination Requirements

D.1.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-2][326 IAC 8-1-4]

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

D.1.6 Volatile Organic Compounds (VOC) [326 IAC 8-1-2]

Compliance with the VOC content limit in condition D.1.3 shall be determined pursuant to 326 IAC 8-1-2(a)(7), using the volume weighted average of coatings on a daily basis. This volume weighted average shall be determined by the following equation:

$$A = [\sum (c \times U) / \sum U]$$

Where:

A is the volume weighted average in pounds VOC per gallon less water as applied;

C is the VOC content of the coating in pounds VOC per gallon less water as applied; and

U is the usage rate of the coating in gallons per day.

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

D.1.7 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 stacks 001, 002, and S-PB-2 while one or more of the units are in operation. If a condition exists which should result in a response step, 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 steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stacks 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 steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.8 Record Keeping Requirement

- (a) To document the compliance status with Conditions D.1.1 and D.1.3, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.1.1. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
 - (1) The amount of coating material and solvent less water used on daily basis.
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
 - (2) The volume weighted average VOC content of the coatings used for each day;
 - (3) The cleanup solvent usage for each month; and
 - (4) The total VOC usage for each month;
- (b) To document the compliance status with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the HAP usage limits established in Condition D.1.1.

- (1) The amount and HAP content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
 - (2) The cleanup solvent usage for each month; and
 - (3) The total single and combined HAPs usage for each month;
- (c) 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) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligation with regard to the records required by this condition.

D.1.9 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.1.1 shall be submitted using the reporting form located at the end of this permit, or its equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (c) One (1) single chamber blast machine, identified as SB-1, installed in August 1992, utilizing Aluminum Oxide as the blasting media, using one (1) single nozzle at 3/8th inch diameter and nozzle pressure of 100 psig. The blast machine uses one (1) baghouse with one (1) Vari-Pak cartridge filter for particulate matter control. The exhaust gas from the blast machine is vented back into building at a rate of 23,000 acfm.
- (d) One (1) shot blasting machine for surface preparation of parts before they are coated, identified as EU SB-2, approved for construction in 2008, with a maximum capacity of 24 parts blasted per day, consisting of a mechanical wheel that throws the shot at the parts within the machine, using a baghouse for control, and exhausting indoors.

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

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

D.2.1 FESOP Limitations [326 IAC 2-8-4]

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the PM10 and PM2.5 emissions (after control) from SB-2 shall each not exceed 3.24 pounds per hour .

Compliance with these limits, combined with the potential to emit PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit PM10 and PM2.5 to less than 100 tons per 12 consecutive month period and shall render 326 IAC 2-7 (Part 70 Permits) not applicable.

D.2.2 PSD Minor Limit and Particulate Matter Limitations [326 IAC 2-2] [326 IAC 6.5]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable and to satisfy the requirements of 326 IAC 6.5 (Particulate Matter Limitations), the source shall comply with the following:

- (1) The PM emissions from SB-2 shall not exceed 3.4 pound per hour.

Compliance with these limits, combined with the potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable. This limit will also satisfy the requirements of 326 IAC 6.5 (Particulate Matter Limitations).

D.2.3 Particulate Matter Limitations [326 IAC 6.5]

Pursuant to 326 IAC 6.5, the shot blaster (SB-1) shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic feet (dscf)).

D.2.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B -- Preventive Maintenance Plan contains the Permittee's obligation with regard to preventive maintenance plans.

Compliance Determination Requirements

D.2.5 Particulate Control

- (a) In order to comply with Conditions D.2.1 and D.2.2, the baghouse for PM, PM10 and PM2.5 control shall be in operation and control emissions from SB-2 at all times that this unit is in operation.
- (b) In the event that bag failure is observed in 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 IDEM, OAQ of the expected date the failed units will be repaired or replace. 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.

D.2.6 Broken or Failed Bag Detection

- (a) For a single compartment baghouse 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 baghouse's 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.

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

D.2.7 Semi-Annual Inspections

The Permittee shall perform semi-annual inspections of the baghouse controlling particulate from SB2 to verify that it is being operated and maintained in accordance with the manufacturer's specifications. All defective dust collectors shall be replaced. A record shall be kept of the results of each inspection.

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

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

Source Name: Major Tool and Machine
Source Address: 1458 E. 19th Street, Indianapolis, Indiana 46218
FESOP Permit No.: F097-33318-00275

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: Major Tool and Machine
Source Address: 1458 E. 19th Street, Indianapolis, Indiana 46218
FESOP Permit No.: F097-33318-00275

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) 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 2-7-16 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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: Major Tool and Machine
Source Address: 1458 E. 19th Street, Indianapolis, Indiana 46218
FESOP Permit No.: F097-33318-00275
Facility: Paint Booth PB-1
Parameter: VOC Input
Limit: The total input of VOC at PB-1 shall not exceed 60 tons per twelve (12) consecutive, with compliance determined at the end of each month.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

- 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: Major Tool and Machine
Source Address: 1458 E. 19th Street, Indianapolis, Indiana 46218
FESOP Permit No.: F097-33318-00275
Facility: Paint Booth PB-1 and PB-2
Parameter: Combination of HAPs
Limit: The combination of HAPs delivered to the two (2) surface coating booths, identified as PB-1 and PB-2, shall not exceed 23 tons per twelve (12) consecutive month period, including coatings, dilution solvents, and cleaning solvents, with compliance determined at the end of each month.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

- 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: Major Tool and Machine
Source Address: 1458 E. 19th Street, Indianapolis, Indiana 46218
FESOP Permit No.: F097-33318-00275
Facility: Paint Booth PB-1 and PB-2
Parameter: Worst single HAP
Limit: The worst case single HAP delivered to the two (2) surface coating booths, identified as PB-1 and PB-2, shall not exceed 8 tons per twelve (12) consecutive month period, including coatings, dilution solvents, and cleaning solvents, with compliance determined at the end of each month.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

- 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: Major Tool and Machine
 Source Address: 1458 E. 19th Street, Indianapolis, Indiana 46218
 FESOP Permit No.: F097-33318-00275

Months: _____ **to** _____ **Year:** _____

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

Addendum to the Technical Support Document (ATSD) for a
FESOP Renewal

Source Background and Description

Source Name:	Major Tool and Machine
Source Location:	1458 E. 19th Street, Indianapolis, IN 46218
County:	Marion
SIC Code:	3599 (Industrial and Commercial Machinery and Equipment, Not Elsewhere Classified)
Operation Permit No.:	F 097-33318-00275
Permit Reviewer:	Deena Patton

On November 8, 2013, the Office of Air Quality (OAQ) had a notice published in the Indianapolis Star, Indianapolis, Indiana, stating that Major Tool and Machine had applied for a FESOP Renewal to continuing operating a stationary industrial and commercial machinery manufacturing plant. The notice also stated that the OAQ proposed to issue a FESOP Renewal for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Comments and Responses

On November 19, 2013, Qaiser Baig submitted comments to IDEM, OAQ on the draft FESOP Renewal.

The Technical Support Document (TSD) is used by IDEM, OAQ for historical purposes. IDEM, OAQ does not make any changes to the original TSD, but the Permit will have the updated changes. The comments and revised permit language are provided below with deleted language as ~~strikeouts~~ and new language **bolded**.

Comment 1:

"Regarding Condition D.1.7(b), Major Tool believes monitoring for overspray from the rooftop should not be necessary for the following reasons:

Other conditions of the draft permit already provide sufficient safeguards to prevent overspray. Condition D.1.4 and D.1.7(a) require a Preventative Maintenance Plan and weekly monitoring of the particulate filters, respectively.

Other states do not regard paint spray booths as a significant compliance issue. For example, the Michigan equivalent of IDEM (MDEQ) regards currently available overspray control systems for all but the largest paint lines as capable of reducing particulate emissions to "negligible amounts".

If IDEM still favors the overspray monitoring condition, then we propose to modify this condition by allowing Major Tool to request after one year to remove/invalidate this condition after successful demonstration of negligible overspray (i.e., through review of records of monthly inspections). At the very least, the condition should have the option to waive the monitoring during inclement weather or other hazardous conditions."

Response to Comment 1:

IDEM disagrees with the recommended change, since the overspray monitoring condition is necessary to ensure that overspray is not being vented to the atmosphere and is standard compliance monitoring for all sources with surface coating operating at FESOP levels. Though the likelihood that overspray would be visible when the operation is operating correctly is negligible, there can be those times when the equipment malfunctions and overspray may escape into the atmosphere. Mr. Baig was informed that when accessing the roof poses immediate danger due to hazardous conditions, then Major Tool may view the stacks via the parking lot and make note in the records that the stack was viewed from the ground due to hazardous conditions. No changes were made as a result of this comment.

IDEM Contact

- (a) Questions regarding this proposed FESOP can be directed to Deena Patton 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) 234-5400 or toll free at 1-800-451-6027 extension 4-5400.
- (b) A copy of the permit 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's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

Indiana Department of Environmental Management
Office of Air Quality

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

Source Background and Description

Source Name:	Major Tool and Machine, Inc.
Source Location:	1458 E. 19th Street, Indianapolis, IN 46218
County:	Marion
SIC Code:	3599 (Industrial and Commercial Machinery and Equipment, Not Elsewhere Classified)
Permit Renewal No.:	F097-33318-00275
Permit Reviewer:	Deena Patton

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Major Tool and Machine, Inc. relating to the operation of a stationary industrial and commercial machinery manufacturing plant. On June 18, 2013, Major Tool and Machine, Inc. submitted an application to the OAQ requesting to renew its operating permit. Major Tool and Machine, Inc. was issued its first FESOP Renewal (F097-14822-00275) on March 29, 2004.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

- (a) One (1) paint spray booth, identified as PB-1, installed in June 1992, equipped with two (2) air atomization paint spray guns (with only one (1) paint spray gun can be used at any one time), air filters for overspray control, one (1) natural gas fired make up heater rated at 3.88 MMBtu/hr, and one (1) natural gas fired drying oven rated at 2.5 MMBtu/hr. The spray booth has a maximum coating rate of 0.5 units per hour with rated material usage of 3 gallons per unit and exhausts through two (2) exhaust stacks, identified as 001 and 002 with a total exhaust rate of 40,000 acfm.
- (b) One (1) coating booth, identified as EU PB-2, approved for construction in 2008, with a maximum capacity of 24 parts coated per day and 2 gallons of coating per part for a maximum capacity of forty-eight (48) gallons of coating per day, with electrostatic spraying as the application method, using dry filters as particulate control, and exhausting through one stack, identified as S-PB-2, with a total exhaust rate of 1,680 acfm.
- (c) One (1) single chamber blast machine, identified as SB-1, installed in August 1992, utilizing Aluminum Oxide as the blasting media, using one (1) single nozzle at 3/8th inch diameter and nozzle pressure of 100 psig. The blast machine uses one (1) baghouse with one (1) Vari-Pak cartridge filter for particulate matter control. The exhaust gas from the blast machine is vented back into building at a rate of 23,000 acfm.
- (d) One (1) shot blasting machine for surface preparation of parts before they are coated, identified as EU SB-2, approved for construction in 2008, with a maximum capacity of 24 parts blasted per day, consisting of a mechanical wheel that throws the shot at the parts within the machine, using a baghouse for control, and exhausting indoors.

Insignificant Activities

- (a) Spray can touch up painting of production items.

- (b) Plant #1 (West) natural gas fired combustion furnaces and heaters at a total heat input of 0.8 MMBtu/hr. [326 IAC 6.5]
- (c) Plant #2 (East) natural gas fired combustion furnaces and heaters at a total heat input of 3.6 MMBtu/hr. [326 IAC 6.5]
- (d) Plant #3 natural gas fired combustion furnaces and heaters at a total heat input of 1.6 MMBtu/hr. [326 IAC 6.5]
- (e) Bldg 20 natural gas fired combustion furnaces and heaters at a total heat input of 7.0 MMBtu/hr. [326 IAC 6.5]
- (f) Vessels storing lubricating oils, hydraulic oils, machining oils and machining fluids.
- (g) Machining where an aqueous cutting coolant continuously floods the machining interface.
- (h) Brazing equipment, cutting torches, soldering equipment and welding equipment not resulting in HAP's emissions.
- (i) Application of oils, greases, lubricants and other non-volatiles applied as temporary protective coatings.
- (j) Cleaners and solvent(s) usage not exceeding 145 gallons per 12 months.
- (k) Structural steel and bridge fabrication activities of less than 80 tons/yr welding consumables and cutting less than 200,00 linear feet of one (1) inch plate or equivalent.
- (l) Process vessel degassing and cleaning to prepare for internal repairs.
- (m) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]
- (n) A natural gas fired paint-curing oven rated at 2.5 MMBtu/hr. [326 IAC 6.5]
- (o) Emissions resulting from metal inspection operations considered to be an activity with emissions equal to or less than the threshold equaling 3 pounds per hour or 15 pounds per day for Volatile Organic Compounds (VOC).
- (p) Emissions resulting from the self-contained paint gun and line cleaning unit considered to be an activity with emissions equal to or less than the threshold equaling 3 pounds per hour or 15 pounds per day for VOC.
- (q) Emissions resulting from the application of protective metal coatings considered to be an activity with emissions equal to or less than the threshold equaling 3 pounds per hour or 15 pounds per day for VOC.
- (r) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs.
- (s) Heat exchanger cleaning and repair.
- (t) Purging gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (u) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks,

and fluid handling equipment.

- (v) Blowout for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (x) Hand-wipe cleaning, identified as EU HWC, utilizing an isopropyl alcohol solution for cleaning of metal parts, with a maximum capacity of 600 gallons per twelve (12) consecutive month period.
- (y) New building natural gas-fired heaters at a total heat input of 5.06 MMBtu/hr
- (z) One (1) woodworking operation, used to construct wood shipping crates, using a baghouse as control, and exhausting indoors, consisting of the following:
 - (1) One (1) panel saw;
 - (2) One (1) table saw;
- (aa) One (1) prima laser metal cutting work center, using a baghouse as control, and exhausting indoors.

Existing Approvals

Since the issuance of FESOP Renewal (097-14822-00275) on March 29, 2004, the source has constructed or has been operating under the following additional approvals:

- (a) Administrative Amendment No. 097-19119-00275 issued on September 8, 2004;
- (b) Administrative Amendment No. 097-25893-00275 issued on January 17, 2008;
- (c) Significant Permit Revision No. 097-26430-00275 issued on October 13, 2008; and
- (d) Administrative Amendment No. 097-27866-00275 issued on May 5, 2009.

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Marion County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Attainment effective February 18, 2000, for the part of the city of Indianapolis bounded by 11th Street on the north; Capitol Avenue on the west; Georgia Street on the south; and Delaware Street on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of Indianapolis and Marion County.
O ₃	Attainment effective October 19, 2007, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.

Pollutant	Designation
NO ₂	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.

¹Attainment effective October 18, 2000, for the 1-hour ozone standard for the Indianapolis area, including Marion County and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X. The 1-hour designation 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. Marion 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}**
Marion County has been classified as attainment for PM_{2.5}. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct PM_{2.5} significant level at ten (10) tons per year. This rule became effective, June 28, 2011.. 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. See the State Rule Applicability – Entire Source section.

- (c) **Other Criteria Pollutants**
Marion County has been classified as attainment or unclassifiable in Indiana for all 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 of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard 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.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Unrestricted Potential Emissions	
Pollutant	Tons/year
PM	219
PM ₁₀	101
PM _{2.5}	101
SO ₂	0.07
VOC	93.05
CO	9.72
NO _x	11.57
GHGs as CO ₂ e	13966
Single HAP	28.41 (Xylene)
Total HAP	36.24

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(29)) of PM₁₀, PM_{2.5}, and VOC are equal to or greater than 100 tons per year. However, the Permittee has agreed to limit the source's PM₁₀, PM_{2.5}, and VOC emissions to less than Title V levels, therefore the Permittee will be issued a FESOP Renewal.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all other criteria pollutants are less than 100 tons per year.
- (c) The potential to emit (as defined in 326 IAC 2-7-1(29)) of GHGs is less than one hundred thousand (100,000) tons of CO₂ equivalent emissions (CO₂e) per year.
- (d) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) 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.

Potential to Emit After Issuance

The source has opted to remain a FESOP source. The table below summarizes the potential to emit, reflecting all limits of the emission units. Any control equipment is considered enforceable only after issuance of this FESOP and only to the extent that the effect of the control equipment is made practically enforceable in the 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	GHGs	Total HAPs	Worst Single HAP
PB-1	3.77	3.77	3.77	0.00	0.00	58.11	0.00	0.00	<23	<8 (Xylene)
PB-2	1.15	1.15	1.15	0.00	0.00	28.48	0.00	0.00		
SB-1	1.58	1.10	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SB-2	14.53	3.09	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IPA Wipes	0.00	0.00	0.00	0.00	0.00	2.51	0.00	0.00	0.00	0.00
Welding	0.26	0.26	0.26	0.00	0.00	0.00	0.00	0.00	0.67	0.35 (Chromium)
Natural Gas Combustion	0.22	0.88	0.88	0.07	11.57	0.64	9.72	13967	0.22	0.21 (Hexane)
Insignificant Activities	0.00	0.00	0.00	0.00	0.00	3.31	0.0	0.00	0.64	5.25E-01 (Toluene)
Total PTE of Entire Source	21.51	10.25	10.25	0.07	11.57	93.05	9.72	13967	<25	<10 (Xylene)
Fugitive Emissions Roads	1.27	0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE of Entire Source w/fugitive emissions	22.78	10.50	10.31	0.07	11.57	93.05	9.72	13967	<25	<10 (Xylene)
Title V Major Source Thresholds	NA	100	100	100	100	100	100	100,000 CO ₂ e	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	100,000 CO ₂ e	NA	NA
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a regulated air pollutant". **PM _{2.5} listed is direct PM _{2.5} .										

(a) FESOP Status

This existing source is not a Title V major stationary source, because the potential to emit criteria pollutants from the entire source will be limited to less than the Title V major source threshold levels. In addition, this existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the potential to emit HAPs is limited to less than ten (10) tons per year for a single HAP and twenty-five (25) tons per year of total HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act and is subject to the provisions of 326 IAC 2-8 (FESOP).

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the source shall comply with the following:

- (1) The PM10 emissions (after control) from SB-2 shall not exceed 3.24 pounds per hour
- (2) The PM2.5 emissions (after control) from SB-2 shall not exceed 3.24 pounds per hour.

- (3) The total VOC input at PB-1, including VOC cleaners and solvents, shall not exceed 60 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (4) The total input of the combined HAPs at PB-1 and PB-2, shall not exceed 23 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (5) The total input of any single HAP at PB-1 and PB-2, shall not exceed 8 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 PM₁₀, PM_{2.5}, VOC, and HAPs from all other emission units at this source, shall limit the source-wide total potential to emit of PM₁₀, PM_{2.5}, and VOC to less than 100 tons per 12 consecutive month period, each, any single HAP to less than ten (10) tons per 12 consecutive month period, total HAPs to less than twenty-five (25) tons per 12 consecutive month period, and shall render 326 IAC 2-7 (Part 70 Permits), 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP) not applicable.

(b) PSD Minor Source

This existing source is not a major stationary source, under PSD (326 IAC 2-2), because the potential to emit PM is limited to less than 250 tons per year, the potential to emit all other attainment regulated criteria pollutants are less than 250 tons per year, the potential to emit greenhouse gases (GHGs) is less than the PSD subject to regulation threshold of one hundred thousand (100,000) tons of CO₂ equivalent emissions (CO₂e) per year, and this source is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1). Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the source shall comply with the following:

- (1) The PM emissions from SB-2 shall not exceed 3.24 pound per hour.

Compliance with these limits, combined with the potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

Federal Rule Applicability

CAM

- (a) 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.

NSPS

- (b) The requirements of the New Source Performance Standard for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60.40c, Subpart Dc, are not included in the permit for this source, since this source does not have fossil-fuel-fired steam generators with a heat input of 100 million British thermal units per hour or less, but greater than or equal to 10 million British thermal units per hour.
- (c) The requirements of the New Source Performance Standard for Automobile and Light Duty Truck Surface Coating Operations, 40 CFR 60.390, Subpart MM, are not included in the permit for this source, since this source is not an automobile or light-duty truck assembly plant.

NESHAP

- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP): Surface Coating of Automobiles and Light Duty Trucks, Subpart IIII are not included in the permit for this source, since this source does not coat automobiles or light duty trucks.
- (e) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Surface Coating of Miscellaneous Metal Parts and Products, Subpart MMMM are not included in the permit for this source, since this source has taken a limit to remain a minor source of HAPs.
- (f) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP): Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, Subpart HHHHHH are not included in the permit for this source, since this source does not conduct a paint stripping operation, an autobody refinishing operation, or use spray application of coatings containing compounds of chromium, lead, manganese, nickel, or cadmium.
- (g) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources, Subpart JJJJJJ are not included in the permit for this source, since this source has gas fired boilers which are not subject to this subpart as defined in section 63.11195 of this subpart.

State Rule Applicability - Entire Source

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.

326 IAC 5-1 (Opacity Limitations)

This source is subject to the opacity limitations specified in 326 IAC 5-1-2(2)

326 IAC 6.5 PM Limitations Except Lake County

This source is subject to 326 IAC 6.5 because it is located in Marion County, its PM PTE (or limited PM PTE) is equal to or greater than 100 tons/year or actual emissions are equal to or greater than 10 tons/year.

State Rule Applicability – Individual Facilities

Paint Booths (PB-1 and PB-2)

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)

Pursuant to 326 IAC 6.5-1-1(a)(2)(B), the two (2) paint booths (PB-1 and PB-2) are subject to the requirements of 326 IAC 6.5-1-2(h). The Permittee shall comply with the following:

- (a) The source shall operate the control device in accordance with manufacturer's specifications.
- (b) If overspray is visibly detected at the exhaust or accumulates on the ground, the source shall inspect the control device and do either of the following no later than four (4) hours after observation:

- (1) Repair the control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
- (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground

If overspray is visibly detected, the source shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detectable at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

326 IAC 8-1-6 (Volatile Organic Compound Rules: New Facilities; General Reduction Requirements)

Pursuant to 326 IAC 8-1-6, the two (2) paint booths (PB-1 and PB-2) are not subject to the requirements of 326 IAC 8-1-6, since they are subject to 326 IAC 8-2-9.

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

- (a) Pursuant to 326 IAC 8-2-9, the Permittee shall not allow the discharge into the atmosphere of VOC in excess of three and five tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator for prime and topcoat or single coat operations.
- (b) Work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials. Work practices shall include, but not be limited to, the following:
 - (1) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
 - (2) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.
 - (3) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
 - (4) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one (1) location to another in closed containers or pipes.
 - (5) Minimize VOC emissions from the cleaning of application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

Shot Blasters (SB-1 and SB-2)

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)

Pursuant to 326 IAC 6.5-1-1(a)(2)(B), the two (2) shot blasters (SB-1 and SB-2) are subject to the requirements of 326 IAC 6.5-1-2(a), since the source has uncontrolled particulate emissions greater than 100 tons per year. Pursuant to 326 IAC 6.5-1-2(a), the two shot blasters (SB-1 and SB-2) 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)).

IPA Wipes

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)

Pursuant to 326 IAC 6.5-1-1(c)(4), the IPA Wipes are not subject to the requirements of 326 IAC 6.5-1-2, since they use a brush or manual application.

Welding

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)

Pursuant to 326 IAC 6.5-1-1(a)(2)(B), the welding operation is subject to the requirements of 326 IAC 6.5-1-2(a), since the source wide potential to emit particulate emissions is greater than one hundred (100) tons per year. Pursuant to 326 IAC 6.5-1-2(a), the welding operation 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)).

Natural Gas Combustion Units

326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)

Pursuant to 326 IAC 6-2-1, the natural gas heaters, air makeup units, drying ovens, thermocycler heaters, UDAP-400 Reznor, or IFP-42-d Applied Air, are each not subject to the requirements of 326 IAC 6-2-4, since they are not indirect heating units.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-8 are required to ensure 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:
- (1) Compliance with the VOC content contained in 326 IAC 8-2-9 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures in 326 IAC 8-1-4.
 - (2) Compliance with the VOC content limit in 326 IAC 8-2-9 shall be determined pursuant to 326 IAC 8-1-2(a)(7), using the volume weighted average of coatings on a daily basis. This volume weighted average shall be determined by the following equation:

$$A = [\sum (c \times U) / \sum U]$$

Where:

A is the volume weighted average in pounds VOC per gallon less water as applied;

C is the VOC content of the coating in pounds VOC per gallon less water as applied; and

U is the usage rate of the coating in gallons per day.

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

Emission Unit/ID	Control	Operating Parameter	Monitoring Frequency	Range	Excursions and Exceedances
Paint Booths (PB-1 and PB-2)	Dry Filters	Filter Checks	Daily	Normal-Abnormal	Response Steps
		Observations of the Overspray	Weekly		
		Observations of the Stack Exhausts	Monthly		
SB-2	Baghouse	Baghouse Inspection	Quarterly	Normal-Abnormal	Response Steps

These monitoring conditions are necessary because the dry filters and baghouse for the paint booths (PB-1 and PB-2) and shot blaster (SB-2) must operate properly to ensure compliance with 326 IAC 6-3 (Process Operations) and 326 IAC 2-8 (FESOP).

(c) There are no testing requirements applicable to this source.

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 18, 2013.

Conclusion

The operation of this stationary industrial and commercial machinery manufacturing plant shall be subject to the conditions of the attached FESOP Renewal No. 097-33318-00275.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Deena Patton 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) 317-234-5400 or toll free at 1-800-451-6027 extension 4-5400.
- (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's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

**Appendix A: Emissions Calculations
Potential to Emit Summary**

**Company Name: Major Tool & Machine, Inc.
Address City IN Zip: 1458 E. 19th Street, Indianapolis, IN 46218
Permit Number: F097-33318-00275
Reviewer: Deena Patton**

Uncontrolled Potential to Emit (ton/yr)												
Emission Unit	PM	PM10	PM2.5	SO2	NOX	CO	VOC	GHGs	HAP	Worst Single HAP		
PB-1	37.67	37.67	37.67	0.00	0.00	0.00	58.11	0.00	25.72	20.70	Xylene	
PB-2	11.51	11.51	11.51	0.00	0.00	0.00	28.48	0	8.98	7.72	Xylene	
SB-1	31.54	22.08	22.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--	
SB-2	138	29.41	29.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--	
IPA Wipes	0.00	0.00	0.00	0.00	0.00	0.00	2.51	0.00	0.00	0.00	--	
Welding	0.26	0.26	0.26	0.00	0.00	0.00	0.00	0.00	0.67	0.35	Chromium	
Natural Gas Combustion	0.22	0.88	0.88	0.07	11.57	9.72	0.64	13,967	0.22	0.21	Hexane	
Insig. Activities	0.00	0.00	0.00	0.00	0.00	0.00	3.31	0.00	0.64	5.25E-01	Toluene	
Total	219.60	101.80	101.80	0.07	11.57	9.72	93.05	13966.51	36.24	2.84E+01	Xylene	
Paved Roads	1.39	0.28	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--	
Total w/fugitive emissions	220.98	102.08	101.87	0.07	11.57	9.72	93.05	13966.51	36.24	28.41	Xylene	

Controlled Potential to Emit (ton/yr)												
Emission Unit	PM	PM10	PM2.5	SO2	NOX	CO	VOC	GHGs	HAP	Worst Single HAP		
PB-1	3.77	3.77	3.77	0.00	0.00	0.00	58.11	0.00	25.72	20.70	Xylene	
PB-2	1.15	1.15	1.15	0.00	0.00	0.00	28.48	0.00	8.98	7.72	Xylene	
SB-1	1.58	1.10	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--	
SB-2	14.53	3.09	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--	
IPA Wipes	0.00	0.00	0.00	0.00	0.00	0.00	2.51	0.00	0.00	0.00	--	
Welding	0.26	0.26	0.26	0.00	0.00	0.00	0.00	0.00	0.67	0.35	Chromium	
Natural Gas Combustion	0.22	0.88	0.88	0.07	11.57	9.72	0.64	13,967	0.22	0.21	Hexane	
Insig. Activities	0.00	0.00	0.00	0.00	0.00	0.00	3.31	0.00	0.64	5.25E-01	Toluene	
Total	21.51	10.25	10.25	0.07	11.57	9.72	93.05	13966.51	36.24	2.84E+01	Xylene	
Paved Roads	1.27	0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--	
Total w/fugitive emissions	22.78	10.50	10.31	0.07	11.57	9.72	93.05	13966.51	36.24	28.41	Xylene	

Limited Potential to Emit (ton/yr)												
Emission Unit	PM	PM10	PM2.5	SO2	NOX	CO	VOC	GHGs	HAP	Worst Single HAP		
PB-1	3.77	3.77	3.77	0.00	0.00	0.00	58.11	0.00	<23	<8	Xylene	
PB-2	1.15	1.15	1.15	0.00	0.00	0.00	28.48	0.00				
SB-1	1.58	1.10	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--	
SB-2	14.53	3.09	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--	
IPA Wipes	0.00	0.00	0.00	0.00	0.00	0.00	2.51	0.00	0.00	0.00	--	
Welding	0.26	0.26	0.26	0.00	0.00	0.00	0.00	0.00	0.67	0.35	Chromium	
Natural Gas Combustion	0.22	0.88	0.88	0.07	11.57	9.72	0.64	13,967	0.22	0.21	Hexane	
Insig. Activities	0.00	0.00	0.00	0.00	0.00	0.00	3.31	0.00	0.64	5.25E-01	Toluene	
Total	21.51	10.25	10.25	0.07	11.57	9.72	93.05	13966.51	<25	<10	Xylene	
Paved Roads	1.27	0.25	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--	
Total w/fugitive emissions	22.78	10.50	10.31	0.07	11.57	9.72	93.05	13966.51	<25	<10	Xylene	

**Appendix A: Emissions Calculations
Emissions from Coating Booth (EU: PB-1)**

Company Name: Major Tool & Machine, Inc.
Address City IN Zip: 1458 E. 19th Street, Indianapolis, IN 46218
Permit Number: F097-33318-00275
Reviewer: Deena Patton

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency
Super Spec HP Rapid Dry Gloss Enamel (P20)	9.5	29.93%	0.0%	29.9%	0.0%	5.11%	3.00000	0.500	2.84	2.84	4.27	102.36	18.68	26.24	55.64	40%
KEM-Flash 500 Primer, Light Gray (E61A750)	12.8	25.35%	0.0%	25.4%	0.0%	81.36%	3.00000	0.500	3.24	3.24	4.87	116.81	21.32	37.67	3.99	40%
MIL-DTL-24441D/30B.31B.32B.33B.34B Paint, Epoxy-Polyamide, Type IV (Hardener), Formula 151, 152, 153, 154, 155 (N10V451)	11.3	25.04%	0.0%	25.0%	0.0%	49.11%	3.00000	0.500	2.83	2.83	4.24	101.86	18.59	33.39	5.76	40%
Corotech Polyester Urethane Gloss (V520-Series)	11.7	24.26%	0.0%	24.3%	0.0%	31.00%	3.00000	0.500	2.84	2.84	4.26	102.18	18.65	34.93	9.16	40%
Tru Glaze 4508H Chemical Resistant Epoxy Coating Black (4508-9990H)	10.5	25.81%	0.0%	25.8%	0.0%	51.4%	3.00000	0.500	2.71	2.71	4.07	97.56	17.81	30.71	5.27	40%
Superthane Retarder (827-607)	7.7	99.50%	0.0%	99.5%	0.0%	35.70%	3.00000	0.500	7.66	7.66	11.49	275.81	50.34	0.15	21.46	40%
Tru Glaze 4508H Chemical Resistant Epoxy Coating - (Converter (4508-9999H))	8.7	27.00%	0.0%	27.0%	0.0%	32.00%	3.00000	0.500	2.35	2.35	3.52	84.56	15.43	25.04	7.34	40%
Rust Scat Acrylic Gloss Enamel (80-Series)	10.9	40.00%	31.3%	8.7%	24.0%	32.00%	3.00000	0.500	1.25	0.95	1.42	34.14	6.23		2.96	40%
Seaguard Solvent #130 (R7K130)	7.1	100.00%	0.0%	100.0%	0.0%	0.00%	0.50000	0.500	7.10	7.10	1.78	42.60	7.77	0.00	#DIV/0!	40%

State Potential Emissions Worst case coating (coating usages are mutually exclusive) + Surface Preparation Solvent

13.27 318.41 58.11 37.67

METHODOLOGY

Control Efficiency (%) 90%
Controlled PM/PM10/PM2.5 (ton/yr) 3.77

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)
Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hrs/yr) * (1 ton/2000 lbs)
Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr)*(1 ton/2000 lbs)
Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)
Total = Worst Coating + Sum of all solvents used
Potential VOC Emissions (ton/yr) = Maximum Usage (gal/yr) x VOC Content As Applied (lb/gal) / 2,000 lbs/ton
Potential Xylene Emissions (ton/yr) = Maximum Usage (gal/yr) x Density (lb/gal) x Mixed Xylenes Content (wt %) / 2,000 lbs/ton
Potential PM/PM10 Emissions (ton/yr) = Maximum Usage (gal/yr) x Solids Content (lb/gal) x (1 - Transfer Efficiency) / 2,000 lbs/ton
Controlled PM/PM10 Emissions (ton/yr) = Potential PM/PM10 Emissions (ton/yr) x (1 - Filter Control Efficiency)

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Naphtahlene	Weight % Cumene	Weight % Ethyl Benzene	Weight % Methyl Isobutyl Ketone	Weight % Glycol Ethers	Xylene Emissions (ton/yr)	Naphtahlene Emissions (ton/yr)	Cumene Emissions (ton/yr)	Ethyl Benzene Emissions (ton/yr)	Methyl Isobutyl Ketone Emissions (ton/yr)	Glycol Ethers (ton/yr)	Combined HAPs (ton/yr)
Super Spec HP Rapid Dry Gloss Enamel (P20)	9.5	3.00000	0.50	20.00%	0.00%	0.00%	5.00%	0.00%	5.00%	12.48	0.00	0.00	3.12	0.00	0.00	18.72
KEM-Flash 500 Primer, Light Gray (E61A750)	12.8	3.00000	0.50	0.00%	0.00%	0.00%	10.00%	15.00%	0.00%	0.00	0.00	0.00	8.41	12.61	0.00	21.02
MIL-DTL-24441D/30B.31B.32B.33B.34B Paint, Epoxy-Polyamide, Type IV (Hardener), Formula 151, 152, 153, 154, 155 (N10V451)	11.3	3.00000	0.50	0.00%	0.00%	1.00%	0.00%	0.00%	0.00%	0.00	0.00	0.74	0.00	0.00	0.00	0.74
Corotech Polyester Urethane Gloss (V520-Series)	11.7	3.00000	0.50	15.00%	0.00%	0.00%	5.00%	10.00%	0.00%	11.53	0.00	0.00	3.84	7.69	0.00	23.06
Tru Glaze 4508H Chemical Resistant Epoxy Coating Black (4508-9990H)	10.5	3.00000	0.50	30.00%	0.00%	0.00%	5.00%	0.00%	0.00%	20.70	0.00	0.00	3.45	0.00	0.00	24.14
Superthane Retarder (827-607)	7.7	3.00000	0.50	0.00%	0.00%	0.00%	0.00%	0.00%	10.00%	0.00	0.00	0.00	0.00	0.00	5.06	5.06
Tru Glaze 4508H Chemical Resistant Epoxy Coating - (Converter (4508-9999H))	8.7	3.00000	0.50	20.00%	0.00%	0.00%	5.00%	20.00%	0.00%	11.43	0.00	0.00	2.86	11.43	0.00	25.72
Rust Scat Acrylic Gloss Enamel (80-Series)	10.9	3.00000	0.50	0.00%	0.00%	0.00%	0.00%	0.00%	10.00%	0.00	0.00	0.00	0.00	0.00	7.2	7.16
Seaguard Solvent #130 (R7K130)	7.1	3.00000	0.50	0.00%	7.00%	0.00%	0.00%	0.00%	10.00%	0.00	3.27	0.00	0.00	0.00	4.7	7.93

Worst Case Coating (Coating Usages are mutually exclusive)

20.70 3.27 0.74 8.41 12.61 20.01 25.72

METHODOLOGY

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

**Appendix A: Emissions Calculations
Emissions from Coating Booth (EU: PB-2)**

**Company Name: Major Tool & Machine, Inc.
Address City IN Zip: 1458 E. 19th Street, Indianapolis, IN 46218
Permit Number: F097-33318-00275
Reviewer: Deena Patton**

Material	Density (Lb/Gal)	Maximum Usage (gal/day)	VOC Content As Applied (lb/gal) *	Solids Content (%)	Solids Content (lb/gal)	Potential VOC (lb/hr)	Potential VOC (lb/day)	Potential VOC (tons/year)	Uncontrolled Particulate Potential (ton/yr)	Transfer Efficiency
Epoxy Primer Part A	11.8	18.00	2.69	51%	6.04	2.02	48.42	8.84	4.96	75%
Epoxy Primer Part B	7.8	3.00	4.38	42%	3.29	0.55	13.14	2.40	0.45	75%
White Universal Primer	11.5	27.00	3.50	43%	4.95	3.94	94.50	17.25	6.10	75%
								28.48	11.51	

*VOC Content As Applied (lb/gal) is stated on the MSDS' provided by the Source.

State Potential Emissions

Control Efficiency = 90%
Controlled Particulate Potential (ton/yr) = 1.151

METHODOLOGY

Solids Content (lb/gal) = Density (lb/gal) * Solids Content (%)

Potential VOC (lb/hr) = Potential VOC (lb/day) / 24 hours

Potential VOC (lb/day) = Maximum Usage (gal/day) * VOC Content As Applied (lb/gal)

Potential VOC (tons/yr) = Potential VOC (lb/hr) * 8760 hours / 2000 lbs

Uncontrolled Particulate Potential (ton/yr) = Maximum Usage (gal/day) * Solids Content (lb/gal) * (1- Transfer Efficiency) * 365 days / 2000 lbs

Controlled Particulate Potential (ton/yr) = Uncontrolled Particulate Potential (ton/yr) * (1-Control Efficiency)

Material	Density	Maximum Usage	Weight %	Weight %	Weight %	Xylene Emissions	Methyl Isobutyl Ketone Emissions	Ethyl Benzene Emissions
	(Lb/Gal)	(gal/day)	Xylene	Methyl Isobutyl Ketone	Ethyl Benzene	(ton/yr)	(ton/yr)	(ton/yr)
Epoxy Primer Part A	11.8	18.00	0.00%	0.00%	0.00%	0.00	0.00	0.00
Epoxy Primer Part B	7.8	3.00	0.00%	13.00%	0.00%	0.00	0.56	0.00
White Universal Primer	11.5	27.00	13.61%	0.00%	1.24%	7.72	0.00	0.70
						7.719	0.56	0.70
						Total HAPs =	8.98	

METHODOLOGY

HAP Emission Rate (ton/yr) = Density (lb/gal) * Maximum Usage (gal/day) * Weight % HAP * 365 days / 2000 lbs

**Appendix A: Emission Calculations
Abrasive Blasting - SB-1**

**Company Name: Major Tool & Machine, Inc.
Address City IN Zip: 1458 E. 19th Street, Indianapolis, IN 46218
Permit Number: F097-33318-00275
Reviewer: Deena Patton**

Table 1 - Emission Factors for Abrasives

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

Table 2 - Density of Abrasives (lb/ft3)

Abrasive	Density (lb/ft3)
Al oxides	160
Sand	99
Steel	487

Table 3 - Sand Flow Rate (FR1) Through Nozzle (lb/hr)

Flow rate of Sand Through a Blasting Nozzle as a Function of Nozzle pressure and Internal Diameter

Internal diameter, in	Nozzle Pressure (psig)							
	30	40	50	60	70	80	90	100
1/8	28	35	42	49	55	63	70	77
3/16	65	80	94	107	122	135	149	165
1/4	109	138	168	195	221	255	280	309
5/16	205	247	292	354	377	420	462	507
3/8	285	355	417	477	540	600	657	720
7/16	385	472	560	645	755	820	905	940
1/2	503	615	725	835	945	1050	1160	1265
5/8	820	990	1170	1336	1510	1680	1850	2030
3/4	1140	1420	1670	1915	2160	2400	2630	2880
1	2030	2460	2900	3340	3780	4200	4640	5060

Calculations

Adjusting Flow Rates for Different Abrasives and Nozzle Diameters

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)

FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =

D = Density of abrasive (lb/ft3) From Table 2 =

D1 = Density of sand (lb/ft3) =

ID = Actual nozzle internal diameter (in) =

ID1 = Nozzle internal diameter (in) from Table 3 =

720
160
99
0.38
0.375

Flow Rate (FR) (lb/hr) = 720.000 per nozzle

Uncontrolled Emissions (E, lb/hr)

EF = emission factor (lb PM/ lb abrasive) From Table 1 =

FR = Flow Rate (lb/hr) =

w = fraction of time of wet blasting =

N = number of nozzles =

0.010
720.000
0
1

Uncontrolled Emissions =	7.20 lb/hr
PM =	31.54 ton/yr
PM10/PM2.5 =	22.08 ton/yr
Control Efficiency =	95%
Controlled Emissions =	0.36 lb/hr
PM =	1.58 ton/yr
PM10 /PM2.5 =	1.10 ton/yr

METHODOLOGY

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs

Flow Rate (FR) (lb/hr) = FR1 x (ID/ID1)2 x (D/D1)

E = EF x FR x (1-w/200) x N

w should be entered in as a whole number (if w is 50%, enter 50)

Controlled Emissions (lb/hr) = Uncontrolled Emissions (lb/hr) * (1-Control Efficiency %)

**Appendix A: Emissions Calculations
Emissions from Shot Blasting (EU: SB-2)**

**Company Name: Major Tool & Machine, Inc.
Address City IN Zip: 1458 E. 19th Street, Indianapolis, IN 46218
Permit Number: F097-33318-00275
Reviewer: Deena Patton**

24 Maximum Number of Parts Shot Blasted Per Day
7,900 Maximum lb per Part

189,600 Maximum lbs Part Blasted per Day

Product Name	Maximum Part Throughput (tons/yr)	PM Emission Factor (lb PM / ton Part)	PM10 Emission Factor (lb PM10 / ton Part)	Uncontrolled Potential PM Emissions (tons/yr)	Uncontrolled Potential PM10/PM2.5 Emissions (tons/yr)	Filter Control Efficiency (%)	Controlled Potential PM Emissions (tons/yr)	Controlled Potential PM10/PM2.5 Emissions (tons/yr)
Universal InviraPrime	34,602	8.00E+00	1.70E+00	138	29.4	89.5%	14.53284	3.09

Methodology

Maximum Part Throughput (ton/yr) = Maximum lbs Part Blasted per Day x 365 days/yr / 2,000 lbs/ton
 Potential PM/PM10 Emissions (ton/yr) = Maximum Part Throughput (ton/yr) x PM/PM10 Emission Factor / 2,000 lbs/ton
 Controlled PM/PM10 Emissions (ton/yr) = Potential PM/PM10 Emissions (ton/yr) x (1 - Filter Control Efficiency)

Compliance Demonstration with 326 IAC 6.5 (EU SB-2)	
PM/PM-10 Potential	31.60 lb/hr
PM/PM-10 Potential After control	0.840 lb/hr
Mass Emission Rate @ 0.03 gr/dscf	3.24 lb/hr
Mass Emission Rate @ 0.03 gr/dscf	14.19 ton/yr

Methodology

PM/PM-10 Potential (lb/hr) = PM/PM-10 Potential (ton/yr) X 2000 lb/ton / 8760 hr/yr
 PM/PM-10 Potential After control (lb/hr) = PM/PM-10 Potential (lb/hr) X (1 - control efficiency)
 Mass Emission Rate @ 0.03 gr/dscf (lb/hr) = 0.03 gr/dscf X 12600 dscfm X 60 min/hr / 7000 gr/lb
 Mass Emission Rate @ 0.03 gr/dscf (ton/yr) = Mass Emission Rate @ 0.03 gr/dscf (lb/hr) * 8760 hrs/yr * ton/2000 lbs

**Appendix A: Emissions Calculations
Emissions from Parts Cleaning (EU IPA-W)**

Company Name: Major Tool & Machine, Inc.

Address City IN Zip: 1458 E. 19th Street, Indianapolis, IN 46218

Permit Number: F097-33318-00275

Reviewer: Deena Patton

Product Name	Maximum IPA Wipe Containers per Year	Volume of Wipes per Container (gal)	Density of Wipes (lb/gal)	VOC Content of Wipes (wt %)	Potential VOC Emissions (lb/yr)	Potential VOC Emissions (ton/yr)
Alcohol Wipes	8,760	0.125	7.08	64.72	5,017	2.51

Methodology

Pollutant VOC Emissions (ton/yr) = Maximum Containers per Year x Volume of Wipes per Container x Density of Wipes (lb/gal) x VOC Content of Wipes (wt %) / 2,000 lbs/ton

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

**Company Name: Major Tool & Machine, Inc.
Address City IN Zip: 1458 E. 19th Street, Indianapolis, IN 46218
Permit Number: F097-33318-00275
Reviewer: Deena Patton**

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)	EMISSION FACTORS* (lb pollutant/lb electrode)					EMISSIONS (lbs/hr)					HAPS (lbs/hr)
			PM = PM10	Mn	Ni	Co	Cr	PM = PM10	Mn	Ni	Co	Cr	
WELDING													
Submerged Arc††	3	23.39	0.00054	0.000704	0.000102	0.000	0.000969	0.038	0.049	0.007	0.000	0.068	0.125
Metal Inert Gas (MIG)(carbon steel)†	2	11.89	0.00091	0.000346	0.000184	0.000001	0.000524	0.022	0.012	0.004	0.000	0.012	0.029
Stick (E7018 electrode)	0	0	0.0211	0.0009				0.000	0.000	0.000		0	0.000
Tungsten Inert Gas (TIG)(carbon steel)	0	0	0.0055	0.0005				0.000	0.000	0.000		0	0.000
Oxyacetylene(carbon steel)	0		0.0055	0.0005				0.000	0.000	0.000		0	0.000
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	0	2	15	0.1622	0.0005	0.0001	0.0003	0.000	0.000	0.000		0.000	0.000
Oxymethane	0			0.0815	0.0002		0.0002	0.000	0.000	0.000		0.000	0.000
Plasma**	0	0.375	150	0.0039				0.000	0.000	0.000		0.000	0.000
EMISSION TOTALS													
Potential Emissions lbs/hr								0.06	0.06186	0.01	0.00	0.08	0.15
Potential Emissions lbs/day								1.43	1.48	0.28	0.00	1.93	3.69
Potential Emissions tons/year								0.26	0.27	0.05	0.00	0.35	0.67

Notes:

†Emission Factors are from AP 42 Chapter 12.19 Table 12.19-1 GMAW Electrode E308L

††Emission Factors are from AP 42 Chapter 12.19 Table 12.19-1 FCAW Electrode E308 LT

Methodology:

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

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

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

**Company Name: Major Tool & Machine, Inc.
Address City IN Zip: 1458 E. 19th Street, Indianapolis, IN 46218
Permit Number: F097-33318-00275
Reviewer: Deena Patton**

Emission Unit	MMBtu/hr	Number of Units	Total MMBtu/hr
Plant #1			
Heaters	0.8	--	0.8
Plant #2			
Air Makeup Unit	3.88	1	3.88
Drying Oven	2.5	1	2.5
Heaters	3.6	--	3.6
Plant #3			
Heaters and furnaces	1.6		1.6
Building #20			
space heaters	--		7
Paint Curing Oven	2.5	1	2.5
New Building			
Heaters	5.06		5.06
Total			26.94

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
26.9	1020	231.4

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx 100 **see below	VOC	CO
Potential Emission in tons/yr	0.2	0.9	0.9	0.1	11.6	0.6	9.7

*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

Emission Factor in lb/MMcf	HAPs - Organics					Total - Organics
	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03	
Potential Emission in tons/yr	2.429E-04	1.388E-04	8.676E-03	2.082E-01	3.933E-04	2.177E-01

Emission Factor in lb/MMcf	HAPs - Metals					Total - Metals
	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03	
Potential Emission in tons/yr	5.784E-05	1.273E-04	1.620E-04	4.396E-05	2.429E-04	6.339E-04
						Total HAPs 2.183E-01
						Worst HAP 2.082E-01

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.

Greenhouse Gas Calculations

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2 120,000	CH4 2.3	N2O 2.2
Potential Emission in tons/yr	13,882	0.3	0.3
Summed Potential Emissions in tons/yr	13,883		
CO2e Total in tons/yr	13,967		

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are from
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2

Appendix A: Emissions Calculations
Emissions from Insignificant Activities

Company Name: Major Tool & Machine, Inc.
 Address City IN Zip: 1458 E. 19th Street, Indianapolis, IN 46218
 Permit Number: F097-33318-00275
 Reviewer: Deena Patton

EMISSIONS RESULTING FROM SPRAY TOUCH UP OF PRODUCTION ITEMS

Product	Density (lb/gal)	VOC (lb/gal)	Annual Usage (# of Cans)	Worst Case Usage (# of Cans)	Ounces per Can	Worst Case Annual Usage (gal)	VOC Emission (lbs/day)	Worst Case VOC emissions (ton/yr)
Flat Black	5.94	3.40	12	24	10	1.88	0.017	0.003
Krylon 1311	6.10	4.90	66	132	11	11.34	0.152	0.028
Contact Cleaner	5.56	5.56	36	72	12	6.75	0.103	0.019
Emissions - lb/day							0.273	

Subtotal Annual Emissions - TPY **0.050**

HAP Emissions

Product	Density (lb/gal)	Worst Case Usage (gal/yr)	Wt % Toluene	Wt % Xylene	Ethylbenzene	Toluene (ton/yr)	Xylene (ton/yr)	Ethylbenzene (ton/yr)
Flat Black	5.94	1.88	5%	5%	1%	0.00027918	0.00027918	0.000
Krylon 1311	6.1	11.34	27%	0%	0%	0.00933849	0	0.000
Contact Cleaner	Contains No HAPs							
Total						9.62E-03	2.79E-04	5.58E-05
Total Combined						9.95E-03		

EMISSIONS RESULTING FROM METAL INSPECTION

Material	Density (lb/gal)	VOC (lb/gal)	Actual Daily Usage (gal/day)	Worst Case Daily Usage (gal/day)	Worst Case Annual Usage (gal)	Worst Case VOC Emissions (lb/day)	Worst Case VOC emissions (ton/yr)	HAP Emissions Combined (Wt %)	Potential Combined HAP Emissions (ton/yr)
DP-51 penetrant	7.24	8.34E-06	0.256	0.512	186.88	0.000	0.000	0.0%	0.000
D-100 developer	7.53	6.13E-03	0.48	0.96	350.4	0.006	0.001	0.0%	0.000
HM-406 penetrant	8.10	0.00E+00	0.032	0.064	23.36	0.000	0.000	0.0%	0.000
DR-60 cleaner	6.43	6.26E-03	0.096	0.192	70.08	0.001	0.000	0.0%	0.000
ZL-67 penetrant	8.26	7.43E-01	0.19	0.38	138.7	0.282	0.051	0.0%	0.000
Emissions - lb/day						0.289			0.000
Subtotal Annual Emissions - TPY						0.053			

EMISSIONS RESULTING FROM SELF CONTAINED SPRAY GUN AND LINE CLEANER

Product	Density (lb/gal)	VOC (lb/gal)	Annual Usage (gal)	Worst Case Annual Usage (gal)	Worst Case VOC Emission (Lbs/day)	Worst Case VOC emissions (ton/yr)
Purge Solvent (for PB2)	6.66	1.32	55	660	2.387	0.436
Lacquer Thinner	7.07	7.07	110	220	4.261	0.778
Emissions - lb/day						4.261
Total Annual Emissions - TPY						0.778

HAP Emissions

Product	Density (lb/gal)	Worst Case Usage (gal/yr)	Wt % Toluene	Wt % Xylene	Wt % Methanol	Toluene (ton/yr)	Xylene (ton/yr)	Methanol (ton/yr)
Purge Solvent	Contains No HAPs							
Lacquer Thinner	7.07	220	66%	6%	9%	0.515	0.04347343	0.07294826
Total Combined						0.632		

EMISSIONS FROM PROTECTIVE METAL COATING APPLICATION

Product	Density (lb/gal)	VOC (lb/gal)	Annual Usage (gal)	Worst Case Annual Usage (gal)	Worst Case VOC Emission (Lbs/day)	Worst Case VOC emissions (ton/yr)
WOCO Penetrating Oil 40	6.70	6.03	55	110	1.817	0.332
Emissions - lb/day						1.817
Subtotal Annual Emissions - TPY						0.332

EMISSIONS RESULTING FROM CLEANER AND SOLVENT USAGE

Product	Density (lb/gal)	VOC (lb/gal)	Annual Usage (gal)	Worst Case Annual Usage (gal)	Worst Case VOC Emission (Lbs/day)	Worst Case VOC emissions (ton/yr)	HAP Emissions Combined (Wt %)	Potential Combined HAP Emissions (tons/yr)
Isopropanol	6.60	6.37	255	510	8.901	1.624	0.0%	0.000
Acetone	6.60	6.31	Exempt				0.0%	
Emissions - lb/day						8.901		0.000
Subtotal Annual Emissions - TPY						1.624		

EMISSIONS RESULTING FROM DEGASSING AND CLEANING TO PREPARE FOR INTERNAL REPAIR

Product	Density (lb/gal)	VOC (lb/gal)	Annual Usage (gal)	Worst Case Annual Usage (gal)	Worst Case VOC Emission (Lbs/day)	Worst Case VOC emissions (ton/yr)	HAP Emissions Combined (Wt %)	Potential Combined HAP Emissions (tons/yr)
Degassing (inert gases released)					0.000	0.000	0.0%	0.000
Isopropanol	6.60	6.37	75	150	2.618	0.478	0.0%	0.000
Acetone	6.60	6.31	Exempt				0.0%	
Emissions - lb/day						2.618		0.000
Subtotal Annual Emissions - TPY						0.478		

TOTAL POTENTIAL VOC EMISSIONS - TPY 3.31

TOTAL COMBINED HAP EMISSIONS - TPY 0.64

**Appendix A: Emission Calculations
Fugitive Dust Emissions - Paved Roads**

Company Name: Major Tool & Machine, Inc.
Source Address: 1458 E. 19th Street, Indianapolis, IN 46218
Permit Number: F097-33318-00275
Reviewer: Deena Patton

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)
Product trucks (entering plant) (one-way trip)	25.0	1.0	25.0	22.5	562.5	300	0.057	1.4	518.5
Product trucks (leaving plant) (one-way trip)	25.0	1.0	25.0	35.0	875.0	300	0.057	1.4	518.5
Totals			50.0		1437.5			2.8	1036.9

Average Vehicle Weight Per Trip =

28.8

 tons/trip
Average Miles Per Trip =

0.06

 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/VMT = particle size multiplier (AP-42 Table 13.2.1-1)
W =	28.8	28.8	28.8	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 =	2.674	0.535	0.1313	lb/mile
Mitigated Emission Factor, Eext =	2.445	0.489	0.1200	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)
Product trucks (entering plant) (one-way trip)	0.69	0.14	0.03	0.63	0.13	0.03
Product trucks (leaving plant) (one-way trip)	0.69	0.14	0.03	0.63	0.13	0.03
Totals	1.39	0.28	0.07	1.27	0.25	0.06

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/trip) = 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)
Controlled PTE (tons/yr) = [Mitigated PTE (tons/yr)] * [1 - Dust Control Efficiency]

Abbreviations

PM = Particulate Matter
PM10 = Particulate Matter (<10 um)
PM2.5 = Particle Matter (<2.5 um)
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

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Chris Rothenberger
Major Tool and Machine
1458 E 19th St
Indianapolis, IN 46218-4228

DATE: December 11, 2013

FROM: Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
FESOP - Renewal
097 - 33318 - 00275

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Kendra Stevens O'Brien, VP HR
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 6/13/2013



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

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

December 11, 2013

TO: Indianapolis Public Library - Spades Park Branch

From: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: Major Tool and Machine
Permit Number: 097 - 33318 - 00275

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or 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.

Enclosures
Final Library.dot 6/13/2013

Mail Code 61-53

IDEM Staff	LPOGOST 12/11/2013 Maior Tool & Machine, Inc. 097 - 33318 - 00275 final)		Type of Mail: CERTIFICATE OF MAILING ONLY	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		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee
											Remarks
1		Chris Rothenberger Major Tool & Machine, Inc. 1458 E 19th St Indianapolis IN 46218-4228 (Source CAATS) Via confirmed delivery									
2		Kendra Stevens OBrien VP HR Major Tool & Machine, Inc. 1458 E 19th St Indianapolis IN 46218-4228 (RO CAATS)									
3		Marion County Health Department 3838 N, Rural St Indianapolis IN 46205-2930 (Health Department)									
4		Indianapolis City Council and Mayors Office 200 East Washington Street, Room E Indianapolis IN 46204 (Local Official)									
5		Marion County Commissioners 200 E. Washington St. City County Bldg., Suite 801 Indianapolis IN 46204 (Local Official)									
6		Matt Mosier Office of Sustainability City-County Bldg/200 E Washington St. Rm# 2460 Indianapolis IN 46204 (Local Official)									
7		Indianapolis Public Library - Spades Park Branch 1801 Nowland Avenue Indianapolis IN 46201 (Library)									
8											
9											
10											
11											
12											
13											
14											
15											

Total number of pieces Listed by Sender	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.
-----------------------------------------	------------------------------------------------	----------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------