



Indiana Department of Environmental Management

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Michael R. Pence
Governor

Carol S. Comer
Commissioner

To: Interested Parties

Date: December 14, 2016

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

Source Name: Manchester Tank & Equipment

Permit Level: FESOP Administrative Amendment

Permit Number: 039-37823-00115

Source Location: 3630 Manchester Dr Elkhart IN

Type of Action Taken: Changes that are administrative in nature

Notice of Decision: Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the matter referenced above. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

The final decision is available on the IDEM website at: <http://www.in.gov/apps/idem/caats/>
To view the document, select Search option 3, then enter permit 37823.

If you would like to request a paper copy of the permit document, please contact IDEM's central file room:

Indiana Government Center North, Room 1201
100 North Senate Avenue, MC 50-07
Indianapolis, IN 46204
Phone: 1-800-451-6027 (ext. 4-0965)
Fax (317) 232-8659

(continues on next page)

If you wish to challenge this decision, IC 4-21.5-3-7 requires 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 from 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.



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Mr. Steve Jacobson
Manchester Tank & Equipment
3630 Manchester Drive
Elkhart, IN 46514

December 14, 2016

Re: 039-37823-00115
Administrative Amendment to
F039-30869-00115

Dear Mr. Jacobson:

Manchester Tank & Equipment was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F039-30869-00115 on March 7, 2012 for a stationary pressure vessels manufacturing source located at 3630 Manchester Drive, Elkhart, IN 46514. On November 3, 2016, the Office of Air Quality (OAQ) received an application from the source requesting to add one (1) new gas metal arc welding station for the W1 welding operation.

Pursuant to 326 IAC 2-8-10 the permit is hereby administratively amended as described in the attached Technical Support Document.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire FESOP as amended. The permit references the below listed attachments. Since these attachments have been provided in previously issued approvals for this source, IDEM OAQ has not included a copy of these attachments with this amendment:

- Attachment A: 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
- Attachment B: 40 CFR 63, Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

Previously issued approvals for this source containing these attachments are available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

Federal rules under Title 40 of United States Code of Federal Regulations may also be found on the U.S. Government Printing Office's Electronic Code of Federal Regulations (eCFR) website, located on the Internet at: http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title40/40tab_02.tpl.

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/ideM/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/ideM/6900.htm>.

Manchester Tank & Equipment
Elkhart, Indiana
Permit Reviewer: Andrew Belt

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Administrative Amendment No. 039-37823-00115

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Andrew Belt of my staff at 317-232-3217 or 1-800-451-6027, and ask for extension 2-3217.

Sincerely,



Jason R. Krawczyk, Section Chief
Permits Branch
Office of Air Quality

Attachments: Updated Permit

JRK/AB

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



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Federally Enforceable State Operating Permit Renewal OFFICE OF AIR QUALITY

**Manchester Tank & Equipment
3630 Manchester Drive
Elkhart, Indiana 46515**

(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.: F 039-30869-00115	
Issued by: <i>Original Signed by:</i> Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: March 7, 2012 Expiration Date: March 7, 2022

Administrative Amendment No.: 039-32880-00115, issued on March 13, 2013
Administrative Amendment No.: 039-33304-00115, issued August 13, 2013
Administrative Amendment No.: 039-33673-00115, issued on October 8, 2013
Administrative Amendment No.: 039-34021-00115, issued on January 7, 2014
Significant Permit Revision No.: 039-36887-00115, issued on June 7, 2016

Administrative Amendment No.: 039-37823-00115	
Issued by:  Jason R. Krawczyk, Section Chief Permits Branch Office of Air Quality	Issuance Date: December 14, 2016 Expiration Date: March 7, 2022

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Attachment A - NESHAP 40 CFR 63 Subpart ZZZZ
Attachment B - NESHAP 40 CFR 63 Subpart XXXXXX

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 pressure vessels manufacturing source.

Source Address:	3630 Manchester Drive, Elkhart, Indiana 46515
General Source Phone Number:	(574) 970-8240
SIC Code:	3443 (Fabricated Plate Work (Boiler Shops))
County Location:	Elkhart
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) mechanical shot blaster, identified as SB1, installed prior to 1977, using a multi-compartment dust collector, approved for construction in 2013, for particulate control, exhausting to the atmosphere, capacity: 109 tanks per hour and 1,400 pounds per hour of stainless steel shot.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above shot blaster is considered an affected facility.

- (b) One (1) mechanical shot blaster, identified as SB2, installed in 1976, using a cartridge dust collector for particulate control, exhausting to the atmosphere, capacity: 218 tanks per hour and 2,800 pounds per hour of steel shot.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above shot blaster is considered an affected facility.

- (c) One (1) mechanical shot blaster, identified as SB3, installed in 2000, using a cartridge dust collector for particulate control, exhausting to the atmosphere, capacity: 100 tanks per hour and 5,600 pounds per hour of steel shot.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above shot blaster is considered an affected facility.

- (d) One (1) powder coating operation, identified as PC1, installed in 1991, restored in 2008, approved in 2016 for modification (modified in 2012), equipped with electrostatic air atomized spray applicators and dry filters for particulate control, exhausting indoors, capacity: 200 tanks per hour.

- (e) One (1) powder coating operation, identified as PC2, installed in 2000, approved in 2016 for modification (modified in 2012), equipped with electrostatic air atomized spray applicators and dry filters for particulate control, exhausting indoors, capacity: 327 tanks per hour.
- (f) Two (2) welding operations, identified as W1, and W2 consisting of:
 - (1) Sixty two (62) gas metal arc welding stations, installed in 1976, capacity: 15.5 pounds of aluminum or steel per hour;
 - (2) Six (6) submerged arc welding stations, installed in 1976, capacity: 6.0 pounds of steel per hour;
 - (3) Four (4) gas metal arc welding stations, installed in February 2011, capacity: 15.5 pounds of aluminum or steel per hour.
 - (4) Three (3) gas metal arc welding stations, approved for construction in 2013, capacity: 15.5 pounds of aluminum per hour, each, and each consumes less than 625 pounds of weld wire or rod per day, with no controls, exhausting inside the building;
 - (5) Two (2) gas metal arc welding stations, approved for construction in 2013, each with a maximum capacity of 15.5 pounds of electrode per hour.
 - (6) One (1) gas metal arc welding station, permitted in 2016, with a maximum capacity of 15.5 pounds of electrode per hour.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above welding stations are considered affected facilities.

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) Natural gas-fired combustion sources with capacities less than ten (10) million British thermal units per hour, consisting of:
 - (1) Six (6) air make-up units, rated at 16.53 million British thermal units per hour, total.
 - (2) Six (6) natural gas-fired washers, rated at 7.30 million British thermal units per hour, total.
 - (3) Thirteen (13) natural gas-fired space heaters, rated at 2.67 million British thermal units per hour, total.
 - (4) Three (3) natural gas-fired ovens, rated at 3.53 million British thermal units per hour, total.
 - (5) Four (4) natural gas-fired furnaces, rated at 28.74 million British thermal units per hour, total.
 - (6) Two (2) air make-up units, approved in 2016 for construction, each with a maximum rated capacity of 3.3 MMBtu/hr, and exhausting inside.

- (b) Emergency generators as follows: Natural gas turbines or reciprocating engines not exceeding sixteen thousand (16,000) horsepower.
 - (1) One (1) natural gas-fired emergency back-up generator, constructed in March 2005, rated at 1.4 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart ZZZZ, the above unit is considered an existing affected facility.
- (c) One (1) aerosol coating operation, identified as AC, using an aerosol application method, capacity: 0.011 gallons of paint per hour.
- (d) One (1) plasma cutting station, identified as PC, installed in 2001, replaced in 2011, capacity: 2.2 inches per minute with a maximum metal thickness of 2 inches.
- (e) One (1) enclosed glass bead blasting chamber for aluminum, identified as BB1, constructed in 2000, with maximum capacity of 28 pounds per hours of abrasive, vented indoors to a single compartment filter unit.
- (f) One (1) enclosed glass bead blasting chamber for maintenance, identified as BB2, constructed in 2000, with maximum capacity of 28 pounds per hours of abrasive, vented indoors to a single compartment filter unit.
- (g) Three (3) stencil coating units, identified as SP, constructed in 1976, applied by roller or air powered gun, maximum usages of 21 gallons per year each, no control, and vent 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, F039-30869-00115, 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, or Northern Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northern Regional Office phone: (574) 245-4870; fax: (574) 245-4877.

- (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 F 039-30869-00115 and issued pursuant to permitting programs approved into the state implementation plan have been either:

- (1) incorporated as originally stated,
- (2) revised, or
- (3) deleted.

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

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

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

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

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

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

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

Request for renewal shall be submitted to:

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

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

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

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

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

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

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

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

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

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

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

and

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

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

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

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

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

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

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

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

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

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

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

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

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

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

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

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

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

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

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

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

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

C.3 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

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

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

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

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

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

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

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

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (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.8 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.9 Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

C.11 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.12 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.13 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.14 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.15 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.16 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.17 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.18 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) mechanical shot blaster, identified as SB1, installed prior to 1977, using a multi-compartment dust collector, approved for construction in 2013, for particulate control, exhausting to the atmosphere, capacity: 109 tanks per hour and 1,400 pounds per hour of stainless steel shot.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above shot blaster is considered an affected facility.

- (b) One (1) mechanical shot blaster, identified as SB2, installed in 1976, using a cartridge dust collector for particulate control, exhausting to the atmosphere, capacity: 218 tanks per hour and 2,800 pounds per hour of steel shot.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above shot blaster is considered an affected facility.

- (c) One (1) mechanical shot blaster, identified as SB3, installed in 2000, using a cartridge dust collector for particulate control, exhausting to the atmosphere, capacity: 100 tanks per hour and 5,600 pounds per hour of steel shot.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above shot blaster is considered an affected facility.

- (d) One (1) powder coating operation, identified as PC1, installed in 1991, restored in 2008, approved in 2016 for modification (modified in 2012), equipped with electrostatic air atomized spray applicators and dry filters for particulate control, exhausting indoors, capacity: 200 tanks per hour.

- (e) One (1) powder coating operation, identified as PC2, installed in 2000, approved in 2016 for modification (modified in 2012), equipped with electrostatic air atomized spray applicators and dry filters for particulate control, exhausting indoors, capacity: 327 tanks per hour.

Insignificant activities:

- (d) One (1) enclosed glass bead blasting chamber for aluminum, identified as BB1, constructed in 2000, with maximum capacity of 28 pounds per hours of abrasive, vented indoors to a single compartment filter unit.

- (e) One (1) enclosed glass bead blasting chamber for maintenance, identified as BB2, constructed in 2000, with maximum capacity of 28 pounds per hours of abrasive, vented indoors to a single compartment filter unit.

(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 Limitations [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4 (FESOP), the Permittee shall comply with the following:

- (a) PM10 and PM2.5 emissions from the following units shall not exceed the following:

Unit Description	PM10 Emission Limit (lbs/hr)	PM2.5 Emission Limit (lbs/hr)
Shot Blaster SB1	0.48	0.48
Shot Blaster SB2	0.96	0.96
Shot Blaster SB3	1.93	1.93

- (b) The total coatings applied by the powder coating operations PC-1 and PC-2 shall not exceed 500,000 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (c) The transfer efficiency at powder coating operations PC-1 and PC-2 shall not be less than 90%.

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

D.1.2 Particulate Emission Limitations [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2(e), particulate emissions from the glass bead blasting chambers with the process weight rate of 28 pounds per hour shall not exceed the 0.551 pound per hour limit each.
- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from each of following operations shall not exceed the pound per hour limit listed in the table below:

Unit Description	Maximum Throughput Rate (tons/hr)	Particulate Emission Limit (lbs/hr)
Shot Blaster SB1	2.66	7.90
Shot Blaster SB2	5.32	12.6
Shot Blaster SB3	4.60	11.4
Powder coating PC-1	3.62	9.71
Powder coating PC-2	5.92	13.50

The pounds per hour limitations were calculated using the following equations:

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

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

D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

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

D.1.4 Particulate Control

- (a) In order to assure compliance with Conditions D.1.1 and D.1.2, the associated cartridge dust collector and chamber filters for particulate control shall be in operation and control emissions from the mechanical shot blasters, identified as SB1, SB2, SB3, and bead blasting chambers, identified as BB1, BB2, at all times when associated units are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.1.5 Visible Emissions Notations

- (a) Visible emission notations of the mechanical shot blasters, identified as SB1, SB2, and SB3, exhaust shall be performed once per day during normal daylight operations. A trained employee or a trained contractor shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are 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.

D.1.6 Broken or Failed Cartridge Dust Collector Detection

- (a) For a single compartment cartridge dust collector 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 cartridge dust collector 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 mechanical shot blasters. 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).

Cartridge Dust Collector failure can be indicated by a significant drop in the cartridge dust collector's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, or dust traces.

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

D.1.7 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1(b), the Permittee shall maintain a record of the amount of powder coating used by the powder coating operations PC-1 and PC-2. Records shall include purchase orders and invoices necessary to verify the amount used.
- (b) To document the compliance status with Condition D.1.5, the Permittee shall maintain a daily record of visible emission notations of the mechanical shot blasters, identified as SB1, SB2, and SB3, exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (c) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the recordkeeping requirements of this requirement.

D.1.8 Reporting Requirements

A quarterly summary of the information to document the compliance status with D.1.1(b) shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report 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: Insignificant Activities

- (a) Natural gas-fired combustion sources with capacities less than ten (10) million British thermal units per hour, consisting of:
 - (2) Six (6) natural gas-fired washers, rated at 7.30 million British thermal units per hour, total.
 - (3) Thirteen (13) natural gas-fired space heaters, rated at 2.67 million British thermal units per hour, total.

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

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

D.2.1 Particulate Emissions Limitation [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), the PM emissions from the following units shall be limited to Pt pounds per MMBtu heat input, as follows:

Emission Unit	Pt (lb/MMBtu)
6 Washers	0.6 (each)
13 Heaters	0.6 (each)

SECTION E.1

NESHAP

Emissions Unit Description: Insignificant Activity

- (b) Emergency generators as follows: Natural gas turbines or reciprocating engines not exceeding sixteen thousand (16,000) horsepower.
 - (1) One (1) natural gas-fired emergency back-up generator, constructed in March 2005, rated at 1.4 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart ZZZZ, the above unit is considered an existing affected facility.

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-8-4(1)]

E.1.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [40 CFR Part 63, Subpart A][326 IAC 20-1]

- (a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR 63, Subpart ZZZZ.
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports 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

E.1.2 Stationary Reciprocating Internal Combustion Engines NESHAP [40 CFR Part 63, Subpart ZZZZ][326 IAC 20-82]

The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ (included as Attachment A to the operating permit), which is incorporated by reference as 326 IAC 20-82, for the emission unit(s) listed above:

- (1) 40 CFR 63.6580
- (2) 40 CFR 63.6585
- (3) 40 CFR 63.6590
- (4) 40 CFR 63.6603
- (5) 40 CFR 63.6605
- (6) 40 CFR 63.6625(e)
- (7) 40 CFR 63.6625(f)
- (8) 40 CFR 63.6625(h)
- (9) 40 CFR 63.6625(j)
- (10) 40 CFR 63.6640
- (11) 40 CFR 63.6645(a)(5)
- (12) 40 CFR 63.6655(a)
- (13) 40 CFR 63.6655(b)
- (14) 40 CFR 63.6655(d)

Permit Reviewer: Ms. Renee Traivaranon

- (15) 40 CFR 63.6655(e)
- (16) 40 CFR 63.6655(f)
- (17) 40 CFR 63.6670
- (18) 40 CFR 63.6675
- (19) Table 2d

SECTION E.2

NESHAP

Emissions Unit Description:

- (a) One (1) mechanical shot blaster, identified as SB1, installed prior to 1977, using a multi-compartment dust collector, approved for construction in 2013, for particulate control, exhausting to the atmosphere, capacity: 109 tanks per hour and 1,400 pounds per hour of stainless steel shot.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above shot blaster is considered an affected facility.

- (b) One (1) mechanical shot blaster, identified as SB2, installed in 1976, using a cartridge dust collector for particulate control, exhausting to the atmosphere, capacity: 218 tanks per hour and 2,800 pounds per hour of steel shot.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above shot blaster is considered an affected facility.

- (c) One (1) mechanical shot blaster, identified as SB3, installed in 2000, using a cartridge dust collector for particulate control, exhausting to the atmosphere, capacity: 100 tanks per hour and 5,600 pounds per hour of steel shot.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above shot blaster is considered an affected facility.

- (f) Two (2) welding operations, identified as W1, and W2 consisting of:

- (1) Sixty two (62) gas metal arc welding stations, installed in 1976, capacity: 15.5 pounds of aluminum or steel per hour;
- (2) Six (6) submerged arc welding stations, installed in 1976, capacity: 6.0 pounds of steel per hour;
- (3) Two (2) gas metal arc welding stations, installed in February 2011, capacity: 15.5 pounds of aluminum or steel per hour.
- (4) Three (3) gas metal arc welding stations, approved for construction in 2013, capacity: 15.5 pounds of aluminum per hour, each, and each consumes less than 625 pounds of weld wire or rod per day, with no controls, exhausting inside the building;
- (5) Two (2) gas metal arc welding stations, approved for construction in 2013, each with a maximum capacity of 15.5 pounds of electrode per hour.
- (6) One (1) gas metal arc welding station, permitted in 2016, with a maximum capacity of 15.5 pounds of electrode per hour.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above welding stations are considered affected facilities.

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-8-4(1)]

E.2.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [40 CFR Part 63, Subpart A][326 IAC 20-1]

- (a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR 63, Subpart XXXXXX.

- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports 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

E.2.2 Nine Metal Fabrication and Finishing Source Categories NESHAP [40 CFR Part 63, Subpart XXXXXX]

The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart XXXXXX (included as Attachment B to the operating permit), for the emission unit(s) listed above:

- (1) 40 CFR 63.11514
- (2) 40 CFR 63.11515
- (3) 40 CFR 63.11516(a)(2)
- (4) 40 CFR 63.11516(b)
- (5) 40 CFR 63.11516(f)(1)
- (6) 40 CFR 63.11516(f)(2)(i)
- (7) 40 CFR 63.11516(f)(2)(iii)
- (8) 40 CFR 63.11516(f)(2)(v)
- (9) 40 CFR 63.11516(f)(3)
- (10) 40 CFR 63.11516(f)(4)
- (11) 40 CFR 63.11516(f)(5)
- (12) 40 CFR 63.11516(f)(6)
- (13) 40 CFR 63.11516(f)(7)
- (14) 40 CFR 63.11516(f)(8)
- (15) 40 CFR 63.11517
- (16) 40 CFR 63.11519(a)
- (17) 40 CFR 63.11519(b)
- (18) 40 CFR 63.11519(c)(1)
- (19) 40 CFR 63.11519(c)(2)
- (20) 40 CFR 63.11519(c)(3)
- (21) 40 CFR 63.11519(c)(4)
- (22) 40 CFR 63.11519(c)(11)
- (23) 40 CFR 63.11519(c)(12)
- (24) 40 CFR 63.11519(c)(13)
- (25) 40 CFR 63.11519(c)(15)
- (26) 40 CFR 63.11521
- (27) 40 CFR 63.11522

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

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

Source Name: Manchester Tank & Equipment
Source Address: 3630 Manchester Drive, Elkhart, Indiana 46515
FESOP Permit No.: F039-30869-00115

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: Manchester Tank & Equipment
Source Address: 3630 Manchester Drive, Elkhart, Indiana 46515
FESOP Permit No.: F039-30869-00115

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

FESOP Quarterly Report

Source Name: Manchester Tank & Equipment
Source Address: 3630 Manchester Drive, Elkhart, Indiana 46515
FESOP Permit No.: F039-30869-00115
Facility: powder coating operations PC-1 and PC-2
Parameter: total coatings applied
Limit: shall not exceed 500,000 pounds per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: _____ YEAR: _____

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

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

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

**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: Manchester Tank & Equipment
Source Address: 3630 Manchester Drive, Elkhart, Indiana 46515
FESOP Permit No.: F039-30869-00115

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**

Technical Support Document (TSD) for an Administrative Amendment to a
Federally Enforceable State Operating Permit (FESOP) Renewal

Source Description and Location

Source Name: Manchester Tank & Equipment
Source Location: 3630 Manchester Drive, Elkhart, IN 46514
County: Elkhart
SIC Code: 3443 (Fabricated Plate Work (Boiler Shops))
Operation Permit No.: F039-30869-00115
Operation Permit Issuance Date: March 7, 2012
Administrative Amendment No.: 039-37823-00115
Permit Reviewer: Andrew Belt

On November 3, 2016, the Office of Air Quality (OAQ) received an application from Manchester Tank & Equipment related to administrative changes to an existing stationary pressure vessels manufacturing source.

Existing Approvals

The source was issued FESOP Renewal No. F039-30869-00115 on March 7, 2012. The source has since received the following approvals:

- (a) Administrative Amendment No.: 039-32880-00115, issued on March 13, 2013;
- (b) Administrative Amendment No.: 039-33304-00115, issued August 13, 2013;
- (c) Administrative Amendment No.: 039-33673-00115, issued on October 8, 2013;
- (d) Administrative Amendment No.: 039-34021-00115, issued on January 7, 2014; and
- (e) Significant Permit Revision No.: 039-36887-00115, issued on June 7, 2016.

County Attainment Status

The source is located in Elkhart County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard. ¹
PM _{2.5}	Unclassifiable or attainment effective April 5, 2005, for the annual PM _{2.5} standard.
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM _{2.5} standard.
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.

¹Attainment effective October 18, 2000, for the 1-hour ozone standard for the South Bend-Elkhart area, including Elkhart County, and is a maintenance area for the 1-hour National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X. The 1-hour standard 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. Elkhart 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}**
Elkhart County has been classified as attainment for PM_{2.5}. Therefore, direct PM_{2.5}, SO₂, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) **Other Criteria Pollutants**
Elkhart County has been classified as attainment or unclassifiable in Indiana for PM₁₀, CO, and Pb. 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.

Greenhouse Gas (GHG) Emissions

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

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

Status of the Existing Source

The table below summarizes the potential to emit of the entire source, prior to the proposed amendment, after consideration of all enforceable limits established in the effective permits:

This PTE table is from the TSD Appendix A of Significant Permit Revision No. 039-36887-00115, issued on June 7, 2016.

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Amendment (tons/year)								Worst Single HAP (Manganese)
	PM	PM10*	PM2.5**	SO ₂	NO _x	VOC	CO	Total HAPs	
Combustion Units	0.53	2.13	2.13	0.17	28.07	1.54	23.58	0.53	negl.
Shot Blast	31.87	14.77	14.77	0	0	0	0	0	0
Aerosol Coating	0.01	0.01	0.01	0	0	0.27	0	0.06	0
Stencil Coating	0.03	0.03	0.03	0	0	0.14	0	0.07	0
Powder Coat	54.01	25.00	25.00	0	0	0	0	0	0
Welding	41.76	41.76	41.76	0	0	0	0	1.37	1.35 (Manganese)
Plasma Cutting	negl.	negl.	negl.	0	0	0	0	0	0
Paint Ovens	0.19	0.19	0.19	0	0	0	0	0	0
Bead Blast	6.53	3.14	0.31	0	0	0	0	0	0
Emergency Generator	negl.	0.01	0.01	negl.	0.77	0.01	1.30	0.01	0
Total PTE of Entire Source	134.94	87.04	84.21	0.17	28.84	1.96	24.88	2.03	1.35 (Manganese)
Title V Major Source Thresholds	-	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	-	-
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) This existing source is not a major stationary source under PSD (326 IAC 2-2), because no PSD regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories as specified in 326 IAC 2-2-1(ff)(1).
- (b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the unlimited potential to emit HAPs is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Amendment

The Office of Air Quality (OAQ) has reviewed an application, submitted by Manchester Tank & Equipment on November 3, 2016, relating to the addition of one new gas metal arc welding station for the W1 welding operation.

The following is the new emission unit:

- (a) One (1) gas metal arc welding station, permitted in 2016, with a maximum capacity of 15.5 pounds of electrode per hour.

Under NESHAP 40 CFR 63, Subpart XXXXXX, the above welding station is considered an affected facility.

Enforcement Issues

There are no pending enforcement actions related to this amendment.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – FESOP Amendment

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

Process/ Emission Unit	PTE of Proposed Amendment (tons/year)								
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
(1) E70S arc welding station	0.35	0.35	0.35	-	-	-	-	0.02	0.02 (Manganese)
Total PTE of Proposed Amendment	0.35	0.35	0.35	0.00	0.00	0.00	0.00	0.02	0.02 (Manganese)
negl. = negligible									

Pursuant to 326 IAC 2-8-10(a)(13), this change to the permit is considered an administrative amendment because the permit is amended to add an emissions unit or modification, subject to 326 IAC 2-1.1-3 (Exemptions), at the request of the Permittee.

PTE of the Entire Source After Issuance of the FESOP Amendment

The table below summarizes the potential to emit of the entire source, with updated emissions shown as **bold** values and previous emissions shown as ~~strikethrough~~ values.

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Amendment (tons/year)								
	PM	PM10*	PM2.5**	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP (Manganese)
Combustion Units	0.53	2.13	2.13	0.17	28.07	1.54	23.58	0.53	negl.
Shot Blast	31.87	14.77	14.77	0	0	0	0	0	0
Aerosol Coating	0.01	0.01	0.01	0	0	0.27	0	0.06	0
Stencil Coating	0.03	0.03	0.03	0	0	0.14	0	0.07	0
Powder Coat	54.01	25.00	25.00	0	0	0	0	0	0
Welding	41.76 42.11	41.76 42.11	41.76 42.11	0	0	0	0	1.37 1.39	1.35 1.37 (Manganese)
Plasma Cutting	negl.	negl.	negl.	0	0	0	0	0	0
Paint Ovens	0.19	0.19	0.19	0	0	0	0	0	0
Bead Blast	6.53	3.14	0.31	0	0	0	0	0	0
Emergency Generator	negl.	0.01	0.01	negl.	0.77	0.01	1.30	0.01	0
Total PTE of Entire Source	134.94 135.29	87.04 87.40	84.24 84.57	0.17	28.84	1.96	24.88	2.03 2.06	1.35 1.37 (Manganese)
Title V Major Source Thresholds	-	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	-	-
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} .									

The table below summarizes the potential to emit of the entire source after issuance of this amendment, reflecting all limits, of the emission units. The table below was generated from the above table, with bold text un-bolded and strikethrough text deleted.

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Amendment (tons/year)								
	PM	PM10*	PM2.5**	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP (Manganese)
Combustion Units	0.53	2.13	2.13	0.17	28.07	1.54	23.58	0.53	negl.
Shot Blast	31.87	14.77	14.77	0	0	0	0	0	0
Aerosol Coating	0.01	0.01	0.01	0	0	0.27	0	0.06	0
Stencil Coating	0.03	0.03	0.03	0	0	0.14	0	0.07	0
Powder Coat	54.01	25.00	25.00	0	0	0	0	0	0
Welding	42.11	42.11	42.11	0	0	0	0	1.39	1.37 (Manganese)
Plasma Cutting	negl.	negl.	negl.	0	0	0	0	0	0
Paint Ovens	0.19	0.19	0.19	0	0	0	0	0	0
Bead Blast	6.53	3.14	0.31	0	0	0	0	0	0
Emergency Generator	negl.	0.01	0.01	negl.	0.77	0.01	1.30	0.01	0
Total PTE of Entire Source	135.29	87.40	84.57	0.17	28.84	1.96	24.88	2.06	1.37 (Manganese)
Title V Major Source Thresholds	-	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	-	-
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 amendment to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants, HAPs from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP).
- (b) **PSD Minor Source**
 This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit all PSD regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability Determination

- (a) **New Source Performance Standards (NSPS)**
 - (1) There are no New Source Performance Standards (40 CFR Part 60) and 326 IAC 12 included for this proposed amendment.
- (b) **National Emission Standards for Hazardous Air Pollutants (NESHAP)**
 - (1) The gas metal arc welding station is subject to the National Emission Standards for Hazardous Air Pollutants for Nine Metal Fabrication and Finishing Source Categories (40 CFR 63 Subpart XXXXXX), because the source is engaged in manufacturing and

fabricating of metal products, and used materials than contain metal HAPs (compounds of cadmium, chromium, and manganese) as defined in §63.11522.

Applicable portions of the NESHAP are the following:

- (1) 40 CFR 63.11514
- (2) 40 CFR 63.11515
- (3) 40 CFR 63.11516(a)(2)
- (4) 40 CFR 63.11516(b)
- (5) 40 CFR 63.11516(f)(1)
- (6) 40 CFR 63.11516(f)(2)(i)
- (7) 40 CFR 63.11516(f)(2)(iii)
- (8) 40 CFR 63.11516(f)(2)(v)
- (9) 40 CFR 63.11516(f)(3)
- (10) 40 CFR 63.11516(f)(4)
- (11) 40 CFR 63.11516(f)(5)
- (12) 40 CFR 63.11516(f)(6)
- (13) 40 CFR 63.11516(f)(7)
- (14) 40 CFR 63.11516(f)(8)
- (15) 40 CFR 63.11517
- (16) 40 CFR 63.11519(a)
- (17) 40 CFR 63.11519(b)
- (18) 40 CFR 63.11519(c)(1)
- (19) 40 CFR 63.11519(c)(2)
- (20) 40 CFR 63.11519(c)(3)
- (21) 40 CFR 63.11519(c)(4)
- (22) 40 CFR 63.11519(c)(11)
- (23) 40 CFR 63.11519(c)(12)
- (24) 40 CFR 63.11519(c)(13)
- (25) 40 CFR 63.11519(c)(15)
- (26) 40 CFR 63.11521
- (27) 40 CFR 63.11522

- (2) There are no other National Emission Standards for Hazardous Air Pollutants (40 CFR Part 63), 326 IAC 14 and 326 IAC 20 included for this proposed amendment.

(c) Compliance Assurance Monitoring (CAM)

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

State Rule Applicability Determination

- (a) 326 IAC 2-8-4 (FESOP)
This amendment to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP). See PTE of the Entire Source After Issuance of the FESOP Amendment Section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration (PSD))
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326

IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Amendment Section above.

- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The proposed amendment is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the new unit is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.
- (d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County or Lawrenceburg Township, Dearborn County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (e) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
 - (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (f) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
The gas metal arc welding station consumes less than 625 pounds of weld wire or rod per day. Therefore, pursuant to 326 IAC 6-3-1(b)(9), the gas metal arc welding station is exempt from the requirements of 326 IAC 6-3.
- (g) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.
- (h) 326 IAC 12 (New Source Performance Standards)
See Federal Rule Applicability Section of this TSD.
- (i) 326 IAC 20 (Hazardous Air Pollutants)
See Federal Rule Applicability Section of this TSD.

Compliance Determination, Monitoring and Testing Requirements

The existing compliance requirements will not change as a result of this amendment. The source shall continue to comply with the applicable requirements and permit conditions as contained in FESOP No: F039-30869-00115, issued on March 7, 2012.

Proposed Changes

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

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:

....

(f) Two (2) welding operations, identified as W1, and W2 consisting of:

....

(6) One (1) gas metal arc welding station, permitted in 2016, with a maximum capacity of 15.5 pounds of electrode per hour.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above welding stations are considered affected facilities.

....

D.1.4 Particulate Control

(a) In order to ~~comply~~ **assure compliance** with Conditions D.1.1 and D.1.2, the associated cartridge dust collector and chamber filters for particulate control shall be in operation and control emissions from the mechanical shot blasters, identified as SB1, SB2, SB3, and bead blasting chambers, identified as BB1, BB2, at all times when associated units are in operation.

....

SECTION E.2

NESHAP

Emissions Unit Description:

....

(f) Two (2) welding operations, identified as W1, and W2 consisting of:

....

(6) One (1) gas metal arc welding station, permitted in 2016, with a maximum capacity of 15.5 pounds of electrode per hour.

Under NESHAP 40 CFR 63 Subpart XXXXXX, the above welding stations are considered affected facilities.

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

....

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on November 3, 2016.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Andrew Belt at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 232-3217 or toll free at 1-800-451-6027 extension 2-3217.

(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 Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A: Emissions Calculations
Summary**

Company Name: Manchester Tank & Equipment
Address City IN Zip: 3630 Manchester Drive, Elkhart, IN 46514
Administrative Amendment No.: 039-37823-00115
Reviewer: Andrew Belt

Process	Uncontrolled Potential to Emit (tons/yr)									
	PM	PM-10	PM-2.5*	SO ₂	NO _x	VOC	CO	Combined HAPs	Worst Case HAP	
Combustion Units	0.53	2.13	2.13	0.17	28.07	1.54	23.58	0.53	1.07E-04	Manganese
Shot Blast	171.70	147.66	147.66	-	-	-	-	-	-	
Aerosol Coating	0.01	0.01	0.01	-	-	0.27	-	0.06	-	
Stencil Coating	0.03	0.03	0.03	-	-	0.14	-	0.07	-	
Powder Coat	54.01	54.01	54.01	-	-	-	-	-	-	
Welding	42.11	42.11	42.11	-	-	-	-	1.39	1.37	Manganese
Plasma Cutting	2.25E-03	2.25E-03	2.25E-03	-	-	-	-	-	-	
Paint Ovens	0.19	0.19	0.19	-	-	-	-	-	-	
Bead Blast	6.53	3.14	0.31	-	-	-	-	-	-	
Emergency Generator	3.33E-03	0.01	0.01	2.06E-04	0.77	0.01	1.30	0.01	-	
Total	275.12	249.30	246.47	0.17	28.84	1.96	24.88	2.06	1.37	Manganese

Note:

* PM2.5 listed is direct PM2.5

Process	Potential to Emit After Issuance (tons/yr)									
	PM	PM-10	PM2.5*	SO ₂	NO _x	VOC	CO	Combined HAPs	Worst Case HAP	
Combustion Units	0.53	2.13	2.13	0.17	28.07	1.54	23.58	0.53	1.07E-04	Manganese
Shot Blast	31.87	14.77	14.77	-	-	-	-	-	-	
Aerosol Coating	0.01	0.01	0.01	-	-	0.27	-	0.06	-	
Stencil Coating	0.03	0.03	0.03	-	-	0.14	-	0.07	-	
Powder Coat	54.01	25.00	25.00	-	-	-	-	-	-	
Welding	42.11	42.11	42.11	-	-	-	-	1.39	1.37	Manganese
Plasma Cutting	2.25E-03	2.25E-03	2.25E-03	-	-	-	-	-	-	
Paint Ovens	0.19	0.19	0.19	-	-	-	-	-	-	
Bead Blast	6.53	3.14	0.31	-	-	-	-	-	-	
Emergency Generator	3.33E-03	0.01	0.01	2.06E-04	0.77	0.01	1.30	0.01	-	
Total	135.29	87.40	84.57	0.17	28.84	1.96	24.88	2.06	1.37	Manganese

Note:

* PM2.5 listed is direct PM2.5

The shaded cells indicate where limits are included.

**Appendix A: Emissions Calculations
Revision Summary**

**Company Name: Manchester Tank & Equipment
Address City IN Zip: 3630 Manchester Drive, Elkhart, IN 46514
Administrative Amendment No.: 039-37823-00115
Reviewer: Andrew Belt**

Process	Potential Uncontrolled Emissions (tons/yr)									
	PM	PM-10	PM-2.5	SO ₂	NOx	VOC	CO	Combined HAPs	Worst Case HAP	
(1) E70S arc welding station	0.35	0.35	0.35	-	-	-	-	0.02	0.02	Manganese
Total	0.35	0.35	0.35	0.00	0.00	0.00	0.00	0.02	0.02	Manganese

**Appendix A: Emissions Calculations
Abrasive Blasting - Confined for Steel Shot**

Company Name: Manchester Tank & Equipment
Address City IN Zip: 3630 Manchester Drive, Elkhart, IN 46514
Administrative Amendment No.: 039-37823-00115
Reviewer: Andrew Belt

Emission Unit	Emission Factor PM (lb PM/lb abrasive)	Emission Factor PM10/PM2.5 (lb PM10/lb abrasive)	Flow Rate (lbs abrasive/hr)	Fraction of Time Wet Blasting (%)	PTE PM (ton/yr)	PTE PM10/PM2.5 (ton/yr)	Filter Control Efficiency (%)	Controlled PM (tons/yr)	Controlled PM10 (tons/yr)	Limited PM 326 IAC 6-3-2 (lbs/hr)	Limited PM10/PM2.5 (lbs/hr)	Limited (tons/yr) PM10/PM2.5
Shotblaster SB1	0.004	0.00344	1400	0	24.53	21.09	99%	0.25	0.21	7.9	0.48	2.11
Shotblaster SB2	0.004	0.00344	2800	0	49.06	42.19	99%	0.49	0.42	12.6	0.96	4.22
Shotblaster SB3	0.004	0.00344	5600	0	98.11	84.38	99%	0.98	0.84	11.4	1.93	8.44
Total					171.70	147.66		1.72	1.48	31.9	3.37	14.77

METHODOLOGY

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

Flow Rate is based on manufacture's specifications

There are 3 steel blasters. The material is in a closed loop system and feeds back to the wheels after use.

Potential to Emit (tons/yr) = Emission Factor (lb/lb abrasive) * Flow Rate (lbs abrasive/hr) * (1-Wet Blasting Fraction (%)/200) * 1 ton / 2000 lbs * 8760 hrs / yr

Controlled Emissions (tons/yr) = Potential to Emit (tons/yr) * (1-Control efficiency (%))

Assumption PM10=PM2.5

**Appendix A: Emissions Calculations
Aerosol Surface Coating**

Company Name: Manchester Tank & Equipment
Address City IN Zip: 3630 Manchester Drive, Elkhart, IN 46514
Administrative Amendment No.: 039-37823-00115
Reviewer: Andrew Belt

Product	Potential Usage (gal/hr)	Potential Usage (gal/yr)	Density (lb/gal)	wt% VOC	wt% solids	wt% Toluene	Transfer Efficiency
Industrial Work Day Enamel Spray Paint, Gloss White	0.006	55	5.99	94.00%	6.00%	17.00%	65%
Industrial Work Day Enamel Spray Paint, Gloss Black	0.002	15	5.80	94.00%	6.00%	14.00%	65%
Industrial Work Day Enamel Spray Paint, Orange	0.003	28	5.86	92.00%	8.00%	12.00%	65%
Total	0.011						

Product	Potential Emissions (tpy)				
	VOC	PM	PM10	PM2.5	Toluene
Industrial Work Day Enamel Spray Paint, Gloss White	0.155	0.003	0.003	0.003	0.028
Industrial Work Day Enamel Spray Paint, Gloss Black	0.041	0.001	0.001	0.001	0.006
Industrial Work Day Enamel Spray Paint, Orange	0.075	0.002	0.002	0.002	0.010
Total	0.271	0.007	0.007	0.007	0.044

Methodology

VOC/HAP Emissions (tpy) = Usage (gal/yr) x Density (lb/gal) x wt% VOC/HAP x 1 ton/2,000 lbs

PM/PM10/PM2.5 Emissions (tpy) = Usage (gal) x Density (lb/gal) x wt% PM/PM10 x 1 ton/2,000 lbs x (1 - transfer efficiency)

**Appendix A: Emissions Calculations
Stencil Painting and Touch-Up Surface Coating**

Company Name: Manchester Tank & Equipment
Address City IN Zip: 3630 Manchester Drive, Elkhart, IN 46514
Administrative Amendment No.: 039-37823-00115
Reviewer: Andrew Belt

Product	Potential Usage (gal/yr)	Density (lb/gal)	wt% VOC	wt% solids	wt% Cobalt Compounds	wt% Xylene	wt% Ethyl-benzene	Transfer Efficiency
Millennium Gray A/D Touch-Up	21	9.04	49.23%	50.77%	0.15%	31.18%	5%	65%
Sky White A/D Touch-Up	21	9.12	48.03%	51.97%	0.15%	31.01%	5%	65%
Rust-Oleum High Performance Industrial Enamel Topcoats	21	8.64	50.00%	50.00%	0.00%	0.00%	0.00%	99%

Product	Potential Emissions (tpy)				
	VOC	PM/PM10/PM2.5	Cobalt Compounds	Xylene	Ethyl-benzene
Millennium Gray A/D Touch-Up	0.046	0.017	0.00014	0.029	0.005
Sky White A/D Touch-Up	0.046	0.017	0.00014	0.030	0.005
Rust-Oleum High Performance Industrial Enamel Topcoats	0.045	0.000	0.000	0.000	0.000
Total	0.137	0.035	0.000	0.059	0.010

Methodology

VOC/HAP Emissions (tpy) = Usage (gal) x Density (lb/gal) x wt% VOC/HAP x 1 ton/2,000 lbs

PM/PM10/PM2.5 Emissions (tpy) = Usage (gal) x Density (lb/gal) x wt% PM/PM10 x 1 ton/2,000 lbs x (1 - transfer efficiency)

A/D Touch-Up paints applied with a hand-help sprayer

Rust-Oleum is applied with a brush or roller

Appendix A: Emissions Calculations
Welding

Company Name: Manchester Tank & Equipment
Address City IN Zip: 3630 Manchester Drive, Elkhart, IN 46514
Administrative Amendment No.: 039-37823-00115
Reviewer: Andrew Belt

Welding Type	Number of Stations	Potential Weld Wire Usage / station (lbs/hr)	Potential Weld Wire Usage (1000 lbs/year)	Emission Factor (lb/1000 lbs weld wire)				
				PM/PM10/PM2.5	Chromium	Manganese	Cobalt	Nickel
ER5154	13	15.5	1765	24.1	0.01	0.03		
E70S	59	15.5	8011	5.2	0.001	0.32	0.001	0.001
Submerged Arc (L-56)	6	6	420	0.05	0.001	0.32	0.001	0.001

Welding Type	Filter Control Efficiency (%)
ER5154	99%
E70S	99%
Submerged Arc (L-56)	99%

Welding Type	Potential Uncontrolled Emissions (tpy)				
	PM/PM10/PM2.5	Chromium	Manganese	Cobalt	Nickel
ER5154	21.27	0.009	0.03	0.000	0.000
E70S	20.83	0.004	1.27	0.004	0.004
Submerged Arc (L-56)	0.01	0.0002	0.07	0.0002	0.0002
Total	42.11	0.013	1.37	0.0042	0.0042

Methodology

Potential Weld Wire Usage (1000 lbs/yr) = Number of Stations * Potential Weld Wire Usage / Station (lbs/hr)

Potential Uncontrolled Emissions (tons/yr) = Weld Wire Usage (1,000 lbs/yr) x Emission Factor (lb/1000 lbs) x 1 ton/2,000 lbs

Emission Factors are from AP-42 SCC 3-09-052 and SCC 3-09-054

Assumption PM=PM10=PM2.5

Appendix A: Emissions Calculations

Plasma Cutting

Company Name: Manchester Tank & Equipment

Address City IN Zip: 3630 Manchester Drive, Elkhart, IN 46514

Administrative Amendment No.: 039-37823-00115

Reviewer: Andrew Belt

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/PM2.5	Mn	Ni	Cr	PM/PM10/PM2.5	Mn	Ni	Cr	
Plasma	1	2	2.2	0.0039				0.001	0.000	0.000	0.000	0.000
EMISSION TOTALS												
Potential Emissions lbs/hr								5.15E-04				0.00
Potential Emissions lbs/day								0.01				0.00
Potential Emissions tons/year								0.002				0.00

METHODOLOGY

Emission Factor for plasma cutting from American Welding Society (AWS).

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)

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

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

**Appendix A: Emissions Calculations
Powder Paint Burn Off**

**Company Name: Manchester Tank & Equipment
Address City IN Zip: 3630 Manchester Drive, Elkhart, IN 46514
Administrative Amendment No.: 039-37823-00115
Reviewer: Andrew Belt**

Potential Emissions (Uncontrolled)

Emission Unit	Number of Units through Burn Off (Units/Day)	Potential Operating Days (days/yr)	Max paint per unit (lbs/unit)	lb PM/lb combustible material on unit (lb PM/lb powder coat)	PM/PM10/PM2.5 Emissions (lb/day)	PM/PM10/PM2.5 Emissions (ton/yr)
Tank Burn Off	25	365	2.5	0.008	0.50	0.09
Hook Burn Off	700	365	0.1	0.008	0.56	0.10
Total					1.06	0.19

Actual Emissions

Emission Unit	Number of Units through Burn Off (Units/Day)	Actual Operating Days (days/yr)	Max paint per unit (lbs/unit)	lb PM/lb combustible material on unit (lb PM/lb powder coat)	PM/PM10/PM2.5 Emissions (lb/day)	PM/PM10/PM2.5 Emissions (ton/yr)
Tank Burn Off	25	240	2.5	0.008	0.50	0.06
Hook Burn Off	700	240	0.1	0.008	0.56	0.07
Total					1.06	0.13

METHODOLOGY

PM Emission factor from AP-42 Ch.2.6 (2 lb PM/250 lb combustible material)

Assumption PM Emissions = PM10 Emissions=PM2.5 Emissions

**Appendix A: Emissions Calculations
Abrasive Blasting - Glass Bead Cabinet Blaster**

**Company Name: Manchester Tank & Equipment
Address City IN Zip: 3630 Manchester Drive, Elkhart, IN 46514
Administrative Amendment No.: 039-37823-00115
Reviewer: Andrew Belt**

Emission Unit	Emission Factor (lb/lb abrasive)			Flow Rate lbs abrasive/hr	Fraction of Time Wet Blasting %	Potential to Emit (tons/yr)			Filter Control Efficiency %	Controlled Emissions (tons/yr)			PM		
	PM	PM10	PM2.5			PM	PM10	PM2.5		PM	PM10	PM2.5	PTE (lbs/hr)	Controlled (lbs/hr)	Limited 326 IAC 6-3-2 (lb/hr)
Chamber Blaster (BB1)	0.027	0.013	0.0013	28	0	3.26	1.57	0.16	99%	0.03	0.02	1.57E-03	0.75	0.007	0.551
Chamber Blaster (BB2)	0.027	0.013	0.0013	28	0	3.26	1.57	0.16	99%	0.03	0.02	1.57E-03	0.75	0.007	0.551
Total						6.53	3.14	0.31		0.07	0.03	3.14E-03			

METHODOLOGY

Emission Factors from AP-42, Section 13.2.6, *Particulate Emission Factors For Abrasive Blasting*

There are 2 Cyclone Sand Blast Cabinets using Glass Beads and a 14CFM Blast Gun. Exhaust is directed to dust collection filters inside the building.

Potential to Emit (tons/yr) = Emission Factor (lb/lb abrasive) * Flow Rate (lbs abrasive/hr) * (1-Wet Blasting Fraction (%)/200) * 1 ton / 2000 lbs * 8760 hrs / yr

Controlled Emissions (tons/yr) = Potential to Emit (tons/yr) * (1-Control efficiency (%))

Potential to Emit PM (lb/hr) = Emission Factor (lb/lb abrasive) * Flow Rate (lbs abrasive/hr) * (1-Wet Blasting Fraction (%)/200)

Controlled Emissions PM (lb/hr) = Potential to Emit (lb/hr) * (1-Control efficiency (%))

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

**Company Name: Manchester Tank & Equipment
Address City IN Zip: 3630 Manchester Drive, Elkhart, IN 46514
Administrative Amendment No.: 039-37823-00115
Reviewer: Andrew Belt**

0.599467657

	Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr	
Six (6) Air Make-up units	16.53		141.96	Direct Fired
Six (6) Washers	7.30		62.69	Indirect Fired
Thirteen (13) Heaters	2.67		22.93	Indirect Fired
Three (3) Ovens	3.53		30.32	Direct Fired
Other Furnaces	8.38		71.97	Direct Fired
Furnace #1	7.68		65.96	Direct Fired
Furnace #2	7.68		65.96	Direct Fired
Aluminum Annealing Furnace	5.00		42.94	Direct Fired
Two (2) Air Make-up units	6.60		56.68	Direct Fired
	65.4	1020	561.4	

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.53	2.13	2.13	0.17	28.07	1.54	23.58

*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

Hazardous Air Pollutants (HAPs)

	HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Total - Organics
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	5.9E-04	3.4E-04	2.1E-02	0.51	9.5E-04	0.53

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	Total - Metals
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	1.4E-04	3.1E-04	3.9E-04	1.1E-04	5.9E-04	1.5E-03
					Total HAPs	0.53
					Worst HAP	0.51

Methodology is the same as above.
The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emission Calculations
Reciprocating Internal Combustion Engines - Natural Gas
4-Stroke Rich-Burn (4SRB) Emergency Engine

Company Name: Manchester Tank & Equipment
Address City IN Zip: 3630 Manchester Drive, Elkhart, IN 46514
Administrative Amendment No.: 039-37823-00115
Reviewer: Andrew Belt

Maximum Heat Input Capacity (MMBtu/hr)	1.40
Maximum Hours Operated per Year (hr/yr)	500
Potential Fuel Usage (MMBtu/yr)	700
High Heat Value (MMBtu/MMscf)	1020
Potential Fuel Usage (MMcf/yr)	0.69

Criteria Pollutants	Pollutant						
	PM*	PM10*	PM2.5*	SO2	NOx	VOC	CO
Emission Factor (lb/MMBtu)	9.50E-03	1.94E-02	1.94E-02	5.88E-04	2.21E+00	2.96E-02	3.72E+00
Potential Emissions (tons/yr)	3.33E-03	0.01	0.01	2.06E-04	0.77	0.01	1.30

*PM emission factor is for filterable PM-10. PM10 emission factor is filterable PM10 + condensable PM.

PM2.5 emission factor is filterable PM2.5 + condensable PM.

Hazardous Air Pollutants (HAPs)

Pollutant	Emission Factor (lb/MMBtu)	Potential Emissions (tons/yr)
Acetaldehyde	2.79E-03	9.77E-04
Acrolein	2.63E-03	9.21E-04
Benzene	1.58E-03	5.53E-04
1,3-Butadiene	6.63E-04	2.32E-04
Formaldehyde	2.05E-02	7.18E-03
Methanol	3.06E-03	1.07E-03
Total PAH**	1.41E-04	4.94E-05
Toluene	5.58E-04	1.95E-04
Xylene	1.95E-04	6.83E-05
Total		0.01

HAP pollutants consist of the nine highest HAPs included in AP-42 Table 3.2-3.

**PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)

Methodology

Emission Factors are from AP-42 (Supplement F, July 2000), Table 3.2-3

Potential Fuel Usage (MMBtu/yr) = [Maximum Heat Input Capacity (MMBtu/hr)] * [Maximum Hours Operating per Year (hr/yr)]

Potential Emissions (tons/yr) = [Potential Fuel Usage (MMBtu/yr)] * [Emission Factor (lb/MMBtu)] / [2000 lb/ton]



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Michael R. Pence
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Commissioner

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TO: Steve Jacobson
Manchester Tank & Equipment
3630 Manchester Dr
Elkhart, IN 46514-1169

DATE: December 14, 2016

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

SUBJECT: Final Decision
FESOP Administrative Amendment
039-37823-00115

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:
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 2/17/2016

Mail Code 61-53

IDEM Staff	CDENNY 12/14/2016 Manchester Tank & Equipment 039-37823-00115 (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		

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1		Steve Jacobson Manchester Tank & Equipment 3630 Manchester Dr Elkhart IN 46514-1169 (Source CAATS)									
2		Jill Drajer GM Manchester Tank & Equipment 3630 Manchester Dr Elkhart IN 46514-1169 (RO CAATS)									
3		Elkhart City Council and Mayors Office 229 South Second Street Elkhart IN 46516 (Local Official)									
4		Elkhart County Health Department 608 Oakland Avenue Elkhart IN 46516 (Health Department)									
5		Middlebury Town Council and Town Manager P.O. Box 812, 418 North Main Street Middlebury IN 46540 (Local Official)									
6		Elkhart County Board of Commissioners 117 North Second St. Goshen IN 46526 (Local Official)									
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