



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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

Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

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

for Indiana Bridge, Inc. in Delaware County

FESOP Renewal No.: F035-39084-00092

The Indiana Department of Environmental Management (IDEM) has received an application from Indiana Bridge, Inc. located at 1810 S. Macedonia Ave., Muncie, Indiana 47302 for a renewal of its FESOP issued on June 20, 2013. If approved by IDEM's Office of Air Quality (OAQ), this proposed renewal would allow Indiana Bridge, Inc. to continue to operate its existing source.

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

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

Muncie-Center Township Public Library
2005 S. High St.
Muncie, IN 47302

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

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

How can you participate in this process?

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

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you

do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number F035-39084-00092 in all correspondence.

Comments should be sent to:

Sarah Green
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 2-8423
Or dial directly: (317) 232-8423
Fax: (317) 232-6749 attn: Sarah Green
E-mail: SGreen@idem.IN.gov

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

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

What will happen after IDEM makes a decision?

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

If you have any questions, please contact Sarah Green of my staff at the above address.



Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality



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Eric J. Holcomb
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Commissioner

DRAFT

**Federally Enforceable State Operating Permit
Renewal
OFFICE OF AIR QUALITY**

**Indiana Bridge, Inc.
1810 S. Macedonia Ave.
Muncie, Indiana 47302**

(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.: F035-39084-00092	
Master Agency Interest ID: 1042	
Issued by:	Issuance Date:
Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Expiration Date:

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**Attachment A: 40 CFR 63, Subpart XXXXXX, National Emission Standards for Hazardous
Air Pollutants for Nine Metal Fabrication and Finishing Source Categories**

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 structural steel manufacturing plant.

Source Address:	1810 S. Macedonia Ave., Muncie, Indiana 47302
General Source Phone Number:	(765) 288-1985
SIC Code:	3441 (Fabricated Structural Metal)
County Location:	Delaware (Outside the area of the City of Muncie bounded by West 26th Street/Hines Road to the north, Cowan Road to the east, West Fuson Road to the south, and South Hoyt Avenue to the west)
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) surface coating operation, identified as SC, constructed in 2009, with a maximum capacity of 16,000 tons of steel per hour and 0.38 gallons of coating per minute, using no control, and exhausting outdoors;
- (b) One (1) enclosed shot blasting operation, identified as SB, constructed in 1973, with a maximum capacity of 316,800 pounds of steel shot per hour and 16,000 pounds of steel per hour, using a baghouse for control, and exhausting outdoors.

Under 40 CFR Part 63, Subpart XXXXXX, this unit is an existing affected facility.

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) One (1) gas metal arc welding (GMAW) operation, constructed in 2009, with a maximum capacity of 15.8 pounds of E70C electrode per hour, using no control;
- (b) One (1) plasma cutting operation emitting no HAPs;
- (c) Thirty five (35) natural gas combustion units, constructed after 1983 and prior to 2018, consisting of:
 - (1) One (1) natural gas-fired space heater, with a maximum heat input capacity of 0.10 MMBtu per hour, using no controls, and exhausting outdoors;
 - (2) Two (2) natural gas-fired space heaters, each with a maximum heat input capacity of 0.125 MMBtu per hour, using no controls, and exhausting outdoors;

- (3) Two (2) natural gas-fired space heaters, each with a maximum heat input capacity of 0.02 MMBtu per hour, using no controls, and exhausting outdoors;
- (4) One (1) natural gas-fired space heater with a maximum heat input capacity of 0.04 MMBtu per hour, using no controls, and exhausting outdoors;
- (5) Twenty-eight (28) natural gas-fired space heaters, each with a maximum heat input capacity of 0.25 MMBtu per hour, using no controls, and exhaust outdoors;
- (6) One (1) natural gas-fired space heater with a maximum heat input capacity of 3.5 MMBtu per hour, using no controls, and exhausting outdoors.

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, F035-39084-00092, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The Permittee shall implement the PMPs.

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

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

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

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

The Permittee shall implement the PMPs.

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

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

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

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

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865

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

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

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

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

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

(C) Corrective actions taken.

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

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

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

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

- (a) All terms and conditions of permits established prior to F035-39084-00092 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
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- (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 5
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) surface coating operation, identified as SC, constructed in 2009, with a maximum capacity of 16,000 tons of steel per hour and 0.38 gallons of coating per minute, using no control, and exhausting outdoors.

(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 PSD Minor Limit: PM [326 IAC 2-2]

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

- (a) The input of coating solids to the surface coating operation (SC) shall not exceed 80.0 tons per twelve (12) consecutive month period with compliance determined at the end of the month.
- (b) The transfer efficiency of the surface coating operation (SC) shall not be less than 70%.

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

D.1.2 FESOP Limits: PM₁₀, PM_{2.5}, VOC, and HAPs [326 IAC 2-8-4]

- (a) Pursuant to 326 IAC 2-8-4 (FESOP) and in order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD))) not applicable, the Permittee shall comply with the following:

- (1) The input of coating solids to the surface coating operation (SC) shall not exceed 80.0 tons per twelve (12) consecutive month period with compliance determined at the end of the month.
- (2) The transfer efficiency of the surface coating operation (SC) shall not be less than 70%.

Compliance with these limits, combined with the potential to emit PM₁₀ and PM_{2.5} from all other emission units at this source, shall limit the source-wide total potential to emit PM₁₀, and PM_{2.5} to less than 100 tons per 12 consecutive month period, each, and shall render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

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

- (1) The VOC input, including coatings, dilution solvents, and cleaning solvents, to the surface coating operation (SC) shall not exceed 75.0 tons per twelve (12) consecutive month period with compliance determined at the end of the month.

Compliance with this limit, combined with the potential to emit VOC from all other emission units at this source, shall limit the source-wide total potential to emit VOC, to

less than 100 tons per 12 consecutive month period and shall render 326 IAC 2-7 (Part 70 Permits) not applicable.

- (c) Pursuant to 326 IAC 2-8-4 (FESOP) and in order to render this source an area source of HAPs under Section 112 of the Clean Air Act (CAA), the Permittee shall comply with the following:
- (1) The input of total HAPs to the surface coating operation (SC) shall not exceed 11.5 tons per twelve (12) consecutive month period with compliance determined at the end of the month.
 - (2) The input of any single HAP to the surface coating operation (SC) shall not exceed 9.0 tons per twelve (12) consecutive month period with compliance determined at the end of the month.

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

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

Pursuant to 326 IAC 8-2-9(c), the Permittee shall not discharge into the atmosphere VOC from the surface coating operation (SC) in excess of 3.5 pounds of VOC per gallon of coating, excluding water, delivered to the applicator.

D.1.4 Volatile Organic Compounds (VOC) Work Practices [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9(f), work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials. Work practices shall include, but not be limited to, the following:

- (a) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
- (b) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.
- (c) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
- (d) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one location to another in closed containers or pipes.
- (e) Minimize VOC emissions from the cleaning of application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

D.1.5 Particulate Matter (PM) Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(d), particulate from the surface coating operation shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.6 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.1.7 Volatile Organic Compounds and Hazardous Air Pollutants [326 IAC 8-1-2][326 IAC 8-1-4]

Compliance with the VOC and HAP content and usage limitations contained in Conditions D.1.2(b), D.1.2(c), and D.1.3 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC and HAP data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.1.8 Particulate Control

In order to comply with Condition D.1.5, the following work practices which are equivalent to a control device, shall be used by the Permittee at all times when the surface coating operation (SC) is in operation:

- (a) Conduct all surface coating operations within an enclosed building.
- (b) Close main doors, overhead doors and powered vents located within 10 feet of the spray equipment, and keep them closed during spray operations.
- (c) Contain and dispose dry-fall paint from drip boards, disposable media and floor surfaces to prevent re-entrainment to exhaust air.

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

D.1.9 Particulate Monitoring

Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take a reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.10 Record Keeping Requirement

- (a) To document compliance with Conditions D.1.2 and D.1.3, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC input and content established in Conditions D.1.2 and D.1.3 and the coating solids and HAP input limits established in Condition D.1.2. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
 - (1) The VOC, HAPs, and solids content of each coating material and solvent used.
 - (2) The amount of coating material and solvent less water used on a monthly basis.
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

- (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
- (3) The cleanup solvent usage for each month.
- (4) The total VOC, total coating solids, and total single and combined HAP input for each month.
- (5) The weight of VOC and single and combined HAPs emitted each compliance period.
- (6) The total coatings solids input for each compliance period.
- (b) To document the compliance status with Condition D.1.9, the Permittee shall maintain a log of monthly overspray inspections.
- (c) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

D.1.11 Reporting Requirement

A quarterly summary of the information to document the compliance status with Conditions D.1.1(a) and D.1.2 shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meet 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:

- (b) One (1) enclosed shot blasting operation, identified as SB, constructed in 1973, with a maximum capacity of 316,800 pounds of steel shot per hour and 16,000 pounds of steel per hour, using a baghouse for control, and exhausting outdoors.

Under 40 CFR Part 63, Subpart XXXXXX, this unit is 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.)

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

D.2.1 PSD Minor Limit: PM [326 IAC 2-2]

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

- (a) PM emissions after control from the shot blasting operation (SB) shall not exceed 30.0 pounds per ton of steel processed by the shot blasting operation.
- (b) The amount of steel processed by the shot blasting operation shall not exceed 10,000 tons per twelve (12) consecutive month period with compliance determined at the end of the month.

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

D.2.2 FESOP Limits: PM₁₀, PM_{2.5}, and HAPs [326 IAC 2-8-4]

- (a) Pursuant to 326 IAC 2-8-4 (FESOP) and in order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the Permittee shall comply with the following:

- (1) PM₁₀ emissions after control from the shot blasting operation (SB) shall not exceed 10.0 pounds per ton of steel processed by the shot blasting operation.
- (2) PM_{2.5} emissions after control from the shot blasting operation (SB) shall not exceed 10.0 pounds per ton of steel processed by the shot blasting operation.
- (3) The amount of steel processed by the shot blasting operation (SB) shall not exceed 10,000 tons twelve (12) consecutive month period with compliance determined at the end of the month.

Compliance with these limits, combined with the potential to emit PM₁₀ and PM_{2.5} from all other emission units at this source, shall limit the source-wide total potential to emit PM₁₀, and PM_{2.5} to less than 100 tons per 12 consecutive month period, each, and shall render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

- (b) Pursuant to 326 IAC 2-8-4 (FESOP) and in order to render this source an area source of HAPs under Section 112 of the Clean Air Act (CAA), the Permittee shall comply with the following:
- (1) Manganese (Mn) emissions after control from the shot blasting (SB) operation shall not exceed 0.8 pounds per ton of steel processed by the shot blasting operation.
 - (2) Chromium (Cr) emissions after control from the shot blasting operation (SB) shall not exceed 0.8 pounds per ton of steel processed by the shot blasting operation.
 - (3) Nickel (Ni) emissions after control from the shot blasting operation (SB) shall not exceed 0.8 pounds per ton of steel processed by the shot blasting operation.
 - (4) The amount of steel processed by the shot blasting operation (SB) shall not exceed 10,000 tons twelve (12) consecutive month period with compliance determined at the end of the month.

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

D.2.3 Particulate Matter [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the shot blasting operation shall not exceed 56.54 pounds per hour when operating at a maximum process weight rate of 166.40 tons per hour.

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

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

$$E = 55.0 P^{0.11} - 40$$

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

D.2.4 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.2.5 Particulate Control

In order to assure compliance with Conditions D.2.1, D.2.2, and D.2.3, the baghouse for particulate control shall be in operation and control emissions from the shot blasting operation at all times the shot blasting operation is in operation.

D.2.6 Testing Requirements [326 IAC 2-1.1-11]

In order to demonstrate compliance with Conditions D.2.1, D.2.2, and D.2.3, the Permittee shall perform PM, PM₁₀, and PM_{2.5} testing of the shot blasting operation utilizing methods as approved

by the Commissioner at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

PM10 and PM2.5 includes filterable and condensable PM.

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

D.2.7 Visible Emissions Notations

- (a) Visible emission notations of baghouse stack exhausts shall be performed once per day during normal daylight operations. A trained employee 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 and 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.2.8 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouse at least once per day when the associated shot blasting operation is in operation. When, for any one reading, the pressure drop across a baghouse is outside the normal range, the Permittee shall take a reasonable response. The normal range for this unit is a pressure drop between 3.0 and 6.0 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C - Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

The instruments used for determining the pressure shall comply with Section C – Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months.

D.2.9 Broken or Failed Bag Detection

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

processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

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

D.2.10 Record Keeping Requirements

- (a) To document the compliance status with Conditions D.2.1 and D.2.2, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the annual throughput limit of steel processed by the shot blasting operation (SB) established in Conditions D.2.1 and D.2.2. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
 - (1) Calendar dates covered in the compliance determination period; and
 - (2) Steel processed by the shot blasting operation per month since the last compliance period.
- (b) To document the compliance status with Condition D.2.7, the Permittee shall maintain records of daily visible emission notations of the baghouse(s) stack exhausts. 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) To document the compliance status with Condition D.2.8, the Permittee shall maintain daily records of pressure drop across the baghouse(s). The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).
- (d) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

D.2.11 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.2.1(b), D.2.2(a)(3), and D.2.2(b)(4) shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report 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.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Insignificant Activities

- (c) Thirty five (35) natural gas combustion units, constructed after 1983 and prior to 2018, consisting of:
 - (1) One (1) natural gas-fired space heater, with a maximum heat input capacity of 0.10 MMBtu per hour, using no controls, and exhausting outdoors;
 - (2) Two (2) natural gas-fired space heaters, each with a maximum heat input capacity of 0.125 MMBtu per hour, using no controls, and exhausting outdoors;
 - (3) Two (2) natural gas-fired space heaters, each with a maximum heat input capacity of 0.02 MMBtu per hour, using no controls, and exhausting outdoors;
 - (4) One (1) natural gas-fired space heater with a maximum heat input capacity of 0.04 MMBtu per hour, using no controls, and exhausting outdoors;
 - (5) Twenty-eight (28) natural gas-fired space heaters, each with a maximum heat input capacity of 0.25 MMBtu per hour, using no controls, and exhaust outdoors;
 - (6) One (1) natural gas-fired space heater with a maximum heat input capacity of 3.5 MMBtu per hour, using no controls, and exhausting outdoors.

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

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

D.3.1 Particulate Matter Limitation [326 IAC 6-2]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), particulate emissions from each of the natural gas-fired space heaters shall be limited to 0.59 pounds per MMBtu heat input.

D.3.2 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.

SECTION E.1

NESHAP

Emissions Unit Description:

- (b) One (1) enclosed shot blasting operation, identified as SB, constructed in 1973, with a maximum capacity of 316,800 pounds of steel shot per hour and 16,000 pounds of steel per hour, using a baghouse for control, and exhausting outdoors.

Under 40 CFR Part 63, Subpart XXXXXX, this unit is 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 [326 IAC 20-1] [40 CFR Part 63, Subpart A]

- (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 Part 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.1.2 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 A to the operating permit) for the emission unit(s) listed above:

- (1) 40 CFR 63.11514(a)(4), (b)(1), (c) (Affected Source)
- (2) 40 CFR 63.11515(a) (Existing Source)
- (3) 40 CFR 63.11516(a)(2) (Dry Blasting in Vented Enclosure)
- (4) 40 CFR 63.11519(a), (b), (c)(1), (c)(4), (c)(13), (c)(15) (Notices, Records, and Reports)
- (5) 40 CFR 63.11521 (Who Implements)
- (6) 40 CFR 63.11522 (Definitions)
- (7) 40 CFR 63.11523 (General Provisions per Table 2)
- (8) Table 1 (Affected Source Categories)
- (9) Table 2 (General Provisions)

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION

Source Name: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
FESOP Permit No.: F035-39084-00092

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: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
FESOP Permit No.: F035-39084-00092

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: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
FESOP Permit No.: F035-39084-00092
Facility: Surface coating operation (SC)
Parameter: Coating solids input
Limit: Shall not exceed 80.0 tons per twelve (12) consecutive month period

QUARTER : _____ YEAR: _____

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

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

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

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

FESOP Quarterly Report

Source Name: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
FESOP Permit No.: F035-39084-00092
Facility: Surface coating operation (SC)
Parameter: VOC input
Limit: Shall not exceed 75.0 tons per twelve (12) consecutive month period

QUARTER : _____ YEAR: _____

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

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

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

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

FESOP Quarterly Report

Source Name: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
FESOP Permit No.: F035-39084-00092
Facility: Surface coating operation (SC)
Parameter: HAPs input
Limit: Shall not exceed 9.0 tons of any single HAP per twelve (12) consecutive month period
Shall not exceed 11.5 tons of total HAPs per twelve (12) consecutive month period

QUARTER : _____ YEAR: _____

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

FESOP Quarterly Report

Source Name: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
FESOP Permit No.: F035-39084-00092
Facility: Shot blasting operation (SB)
Parameter: Steel processed by the shot blasting operation (SB)
Limit: Shall not exceed 10,000 tons per twelve (12) consecutive month period

QUARTER : _____ YEAR: _____

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

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

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

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

Source Name: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
FESOP Permit No.: F035-39084-00092

Months: _____ to _____ Year: _____

Page 1 of 2

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

Attachment A

Federally Enforceable State Operating Permit (FESOP) No: F035-39084-00092

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Electronic Code of Federal Regulations

Title 40: Protection of Environment +

PART 63—NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES

Subpart XXXXXX—National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

SOURCE: 73 FR 43000, July 23, 2008, unless otherwise noted.

Applicability and Compliance Dates

§63.11514 Am I subject to this subpart?

(a) You are subject to this subpart if you own or operate an area source that is primarily engaged in the operations in one of the nine source categories listed in paragraphs (a)(1) through (9) of this section. Descriptions of these source categories are shown in Table 1 of this subpart. "Primarily engaged" is defined in §63.11522, "What definitions apply to this subpart?"

- (1) Electrical and Electronic Equipment Finishing Operations;
- (2) Fabricated Metal Products;
- (3) Fabricated Plate Work (Boiler Shops);
- (4) Fabricated Structural Metal Manufacturing;
- (5) Heating Equipment, except Electric;
- (6) Industrial Machinery and Equipment Finishing Operations;
- (7) Iron and Steel Forging;
- (8) Primary Metal Products Manufacturing; and
- (9) Valves and Pipe Fittings.

(b) The provisions of this subpart apply to each new and existing affected source listed and defined in paragraphs (b)(1) through (5) of this section if you use materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP), defined to be the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead. Materials that contain MFHAP are defined to be materials that contain greater than 0.1 percent for carcinogens, as defined by OSHA at 29 CFR 1910.1200(d)(4), and greater than 1.0 percent for noncarcinogens. For the MFHAP, this corresponds to materials that contain cadmium, chromium, lead, or nickel in amounts greater than or equal to 0.1 percent by weight (of the metal), and materials that contain manganese in amounts greater than or equal to 1.0 percent by weight (of the metal), as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the material.

(1) A dry abrasive blasting affected source is the collection of all equipment and activities necessary to perform dry abrasive blasting operations which use materials that contain MFHAP or that have the potential to emit MFHAP.

(2) A machining affected source is the collection of all equipment and activities necessary to perform machining operations which use materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or that have the potential to emit MFHAP.

(3) A dry grinding and dry polishing with machines affected source is the collection of all equipment and activities necessary to perform dry grinding and dry polishing with machines operations which use materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or have the potential to emit MFHAP.

(4) A spray painting affected source is the collection of all equipment and activities necessary to perform spray-applied painting operations using paints which contain MFHAP. A spray painting affected source includes all equipment used to apply cleaning materials to a substrate to prepare it for paint application (surface preparation) or to remove dried paint; to apply a paint to a substrate (paint application) and to dry or cure the paint after application; or to clean paint operation equipment (equipment cleaning). Affected source(s) subject to the requirements of this paragraph are not subject to the miscellaneous surface coating provisions of subpart HHHHHH of this part, "National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources."

(5) A welding affected source is the collection of all equipment and activities necessary to perform welding operations which use materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or have the potential to emit MFHAP.

(c) An affected source is existing if you commenced construction or reconstruction of the affected source, as defined in §63.2, "General Provisions" to part 63, before April 3, 2008.

(d) An affected source is new if you commenced construction or reconstruction of the affected source, as defined in §63.2, "General Provisions" to part 63, on or after April 3, 2008.

(e) This subpart does not apply to research or laboratory facilities, as defined in section 112(c)(7) of the Clean Air Act (CAA).

(f) This subpart does not apply to tool or equipment repair operations, facility maintenance, or quality control activities as defined in §63.11522, "What definitions apply to this subpart?"

(g) This subpart does not apply to operations performed on site at installations owned or operated by the Armed Forces of the United States (including the Coast Guard and the National Guard of any such state), the National Aeronautics and Space Administration, or the National Nuclear Security Administration.

(h) This subpart does not apply to operations that produce military munitions, as defined in §63.11522, "What definitions apply to this subpart?", manufactured by or for the Armed Forces of the United States (including the Coast Guard and the National Guard of any such state), or equipment directly and exclusively used for the purposes of transporting military munitions.

(i) You are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not otherwise required by law to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a). Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart.

§63.11515 What are my compliance dates?

(a) If you own or operate an existing affected source, you must achieve compliance with the applicable provisions in this subpart by July 25, 2011.

(b) If you own or operate a new affected source, you must achieve compliance with the applicable provisions in this subpart by July 23, 2008, or upon startup of your affected source, whichever is later.

Standards and Compliance Requirements

§63.11516 What are my standards and management practices?

(a) *Dry abrasive blasting standards.* If you own or operate a new or existing dry abrasive blasting affected source, you must comply with the requirements in paragraphs (a)(1) through (3) of this section, as applicable, for each dry abrasive blasting operation that uses materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. These requirements do not apply when abrasive blasting operations are being performed that do not use any materials containing MFHAP or do not have the potential to emit MFHAP.

(1) *Standards for dry abrasive blasting of objects performed in totally enclosed and unvented blast chambers.* If you own or operate a new or existing dry abrasive blasting affected source which consists of an abrasive blasting chamber that is totally enclosed and unvented, as defined in §63.11522, "What definitions apply to this subpart?", you must implement management practices to minimize emissions of MFHAP. These management practices are the practices specified in paragraph (a)(1)(i) and (ii) of this section.

(i) You must minimize dust generation during emptying of abrasive blasting enclosures; and

(ii) You must operate all equipment associated with dry abrasive blasting operations according to the manufacturer's instructions.

(2) *Standards for dry abrasive blasting of objects performed in vented enclosures.* If you own or operate a new or existing dry abrasive blasting affected source which consists of a dry abrasive blasting operation which has a vent allowing any air or blast material to escape, you must comply with the requirements in paragraphs (a)(2)(i) and (ii) of this section. Dry abrasive blasting operations for which the items to be blasted exceed 8 feet (2.4 meters) in any dimension, may be performed subject to the requirements in paragraph (a)(3) of this section.

(i) You must capture emissions and vent them to a filtration control device. You must operate the filtration control device according to manufacturer's instructions, and you must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the filtration control devices, as specified by the requirements in §63.11519(c)(4), "What are my notification, recordkeeping, and reporting requirements?"

(ii) You must implement the management practices to minimize emissions of MFHAP as specified in paragraphs (a)(2)(ii)(A) through (C) of this section.

(A) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and

(B) You must enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials; and

(C) You must operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions.

(3) *Standards for dry abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension.* If you own or operate a new or existing dry abrasive blasting affected source which consists of a dry abrasive blasting operation which is performed on objects greater than 8 feet (2.4 meters) in any one dimension, you may implement management practices to minimize emissions of MFHAP as specified in paragraph (a)(3)(i) of this section instead of the practices required by paragraph (a)(2) of this section. You must demonstrate that management practices are being implemented by complying with the requirements in paragraphs (a)(3)(ii) through (iv) of this section.

(i) Management practices for dry abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension are specified in paragraphs (a)(3)(i)(A) through (E) of this section.

(A) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and

(B) You must enclose abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive material; and

(C) You must operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions; and

(D) You must not re-use dry abrasive blasting media unless contaminants (i.e., any material other than the base metal, such as paint residue) have been removed by filtration or screening, and the abrasive material conforms to its original size; and

(E) Whenever practicable, you must switch from high particulate matter (PM)-emitting blast media (e.g., sand) to low PM-emitting blast media (e.g., crushed glass, specular hematite, steel shot, aluminum oxide), where PM is a surrogate for MFHAP.

(ii) You must perform visual determinations of fugitive emissions, as specified in §63.11517(b), "What are my monitoring requirements?", according to paragraphs (a)(3)(ii)(A) or (B) of this section, as applicable.

(A) For abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension that is performed outdoors, you must perform visual determinations of fugitive emissions at the fenceline or property border nearest to the outdoor dry abrasive blasting operation.

(B) For abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension that is performed indoors, you must perform visual determinations of fugitive emissions at the primary vent, stack, exit, or opening from the building containing the abrasive blasting operations.

(iii) You must keep a record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in §63.11519(c)(2), "What are my notification, recordkeeping, and reporting requirements?"

(iv) If visible fugitive emissions are detected, you must perform corrective actions until the visible fugitive emissions are eliminated, at which time you must comply with the requirements in paragraphs (a)(3)(iv)(A) and (B) of this section.

(A) You must perform a follow-up inspection for visible fugitive emissions in accordance with §63.11517(a), "Monitoring Requirements."

(B) You must report all instances where visible emissions are detected, along with any corrective action taken and the results of subsequent follow-up inspections for visible emissions, with your annual certification and compliance report as required by §63.11519(b)(5), "Notification, recordkeeping, and reporting requirements."

(b) *Standards for machining.* If you own or operate a new or existing machining affected source, you must implement management practices to minimize emissions of MFHAP as specified in paragraph (b)(1) and (2) of this section for each machining operation that uses materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. These requirements do not apply when machining operations are being performed that do not use any materials containing MFHAP and do not have the potential to emit MFHAP.

(1) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and

(2) You must operate all equipment associated with machining according to manufacturer's instructions.

(c) *Standards for dry grinding and dry polishing with machines.* If you own or operate a new or existing dry grinding and dry polishing with machines affected source, you must comply with the requirements of paragraphs (c)(1) and (2) of this section for each dry grinding and dry polishing with machines operation that uses materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. These requirements do not apply when dry grinding and dry polishing operations are being performed that do not use any materials containing MFHAP and do not have the potential to emit MFHAP.

(1) You must capture emissions and vent them to a filtration control device. You must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the filtration control devices, as specified by the requirements in §63.11519(c)(4), "Notification, recordkeeping, and reporting Requirements."

(2) You must implement management practices to minimize emissions of MFHAP as specified in paragraphs (c)(2)(i) and (ii) of this section.

(i) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable;

(ii) You must operate all equipment associated with the operation of dry grinding and dry polishing with machines, including the filtration control device, according to manufacturer's instructions.

(d) *Standards for control of MFHAP in spray painting.* If you own or operate a new or existing spray painting affected source, as defined in §63.11514 (b)(4), "Am I subject to this subpart?," you must implement the management practices in paragraphs (d)(1) through (9) of this section when a spray-applied paint that contains MFHAP is being applied. These requirements do not apply when spray-applied paints that do not contain MFHAP are being applied.

(1) *Standards for spray painting for MFHAP control.* All spray-applied painting of objects must meet the requirements of paragraphs (d)(1)(i) through (iii) of this section. These requirements do not apply to affected sources located at Fabricated Structural Metal Manufacturing facilities, as described in Table 1, "Description of Source Categories Affected by this Subpart," or affected sources that spray paint objects greater than 15 feet (4.57 meters), that are not spray painted in spray booths or spray rooms.

(i) Spray booths or spray rooms must have a full roof, at least two complete walls, and one or two complete side curtains or other barrier material so that all four sides are covered. The spray booths or spray rooms must be ventilated so that air is drawn into the booth and leaves only through the filter. The roof may contain narrow slots for connecting fabricated products to overhead cranes, and/or for cords or cables.

(ii) All spray booths or spray rooms must be fitted with a type of filter technology that is demonstrated to achieve at least 98 percent capture of MFHAP. The procedure used to demonstrate filter efficiency must be consistent with the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Method 52.1, "Gravimetric and Dust-Spot Procedures for Testing Air-Cleaning Devices Used in General Ventilation for Removing Particulate Matter, June 4, 1992" (incorporated by reference, see §63.14). The test coating for measuring filter efficiency shall be a high-solids bake enamel delivered at a rate of at least 135 grams per minute from a conventional (non-High Volume Low Pressure) air-atomized spray gun operating at 40 psi air pressure; the air flow rate across the filter shall be 150 feet per minute. Owners and operators may use published filter efficiency data provided by filter vendors to demonstrate compliance with this requirement and are not required to perform this measurement.

(iii) You must perform regular inspection and replacement of the filters in all spray booths or spray rooms according to manufacturer's instructions, and maintain documentation of these activities, as detailed in §63.11519(c)(5), "Notification, recordkeeping, and reporting requirements."

(iv) As an alternative compliance requirement, spray booths or spray rooms equipped with a water curtain, called "waterwash" or "waterspray" booths or spray rooms that are operated and maintained according to the manufacturer's specifications and that achieve at least 98 percent control of MFHAP, may be used in lieu of the spray booths or spray rooms requirements of paragraphs (d)(1)(i) through (iii) of this section.

(2) *Standards for spray painting application equipment of all objects painted for MFHAP control.* All paints applied via spray-applied painting must be applied with a high-volume, low-pressure (HVLP) spray gun, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology that is demonstrated to achieve transfer efficiency comparable to one of these spray gun technologies for a comparable operation, and for which written approval has been obtained from the Administrator. The procedure used to demonstrate that spray gun transfer efficiency is equivalent to that of an HVLP spray gun must be equivalent to the California South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989" and "Guidelines for Demonstrating Equivalency with District Approved Transfer Efficient Spray Guns, September 26, 2002", Revision 0 (incorporated by reference, see §63.14).

(3) *Spray system recordkeeping.* You must maintain documentation of the HVLP or other high transfer efficiency spray paint delivery methods, as detailed in §63.11519(c)(7), "Notification, recordkeeping, and reporting requirements."

(4) *Spray gun cleaning.* All cleaning of paint spray guns must be done with either non-HAP gun cleaning solvents, or in such a manner that an atomized mist of spray of gun cleaning solvent and paint residue is not created outside of a container that collects the used gun cleaning solvent. Spray gun cleaning may be done with, for example, by hand cleaning of parts of the disassembled gun in a container of solvent, by flushing solvent through the gun without atomizing the solvent and paint residue, or by using a fully enclosed spray gun washer. A combination of these non-atomizing methods may also be used.

(5) *Spray painting worker certification.* All workers performing painting must be certified that they have completed training in the proper spray application of paints and the proper setup and maintenance of spray equipment. The minimum requirements for training and certification are described in paragraph (d)(6) of this section. The spray application of paint is prohibited by persons who are not certified as having completed the training described in paragraph (d)(6) of this section. The requirements of this paragraph do not apply to the students of an accredited painting training program who are under the direct supervision of an instructor who meets the requirements of this paragraph. The requirements of this paragraph do not apply to operators of robotic or automated painting operations.

(6) *Spray painting training program content.* Each owner or operator of an affected spray painting affected source must ensure and certify that all new and existing personnel, including contract personnel, who spray apply paints are trained in the proper application of paints as required by paragraph (d)(5) of this section. The training program must include, at a minimum, the items listed in paragraphs (d)(6)(i) through (iii) of this section.

(i) A list of all current personnel by name and job description who are required to be trained;

(ii) Hands-on, or in-house or external classroom instruction that addresses, at a minimum, initial and refresher training in the topics listed in paragraphs (d)(6)(ii)(A) through (D) of this section.

(A) Spray gun equipment selection, set up, and operation, including measuring paint viscosity, selecting the proper fluid tip or nozzle, and achieving the proper spray pattern, air pressure and volume, and fluid delivery rate.

(B) Spray technique for different types of paints to improve transfer efficiency and minimize paint usage and overspray, including maintaining the correct spray gun distance and angle to the part, using proper banding and overlap, and reducing lead and lag spraying at the beginning and end of each stroke.

(C) Routine spray booth and filter maintenance, including filter selection and installation.

(D) Environmental compliance with the requirements of this subpart.

(iii) A description of the methods to be used at the completion of initial or refresher training to demonstrate, document, and provide certification of successful completion of the required training. Alternatively, owners and operators who can show by documentation or certification that a painter's work experience and/or training has resulted in training equivalent to the training required in paragraph (d)(6)(ii) of this section are not required to provide the initial training required by that paragraph to these painters.

(7) *Records of spray painting training.* You must maintain records of employee training certification for use of HVLP or other high transfer efficiency spray paint delivery methods as detailed in §63.11519(c)(8), "Notification, recordkeeping, and reporting requirements."

(8) *Spray painting training dates.* As required by paragraph (d)(5) of this section, all new and existing personnel at an affected spray painting affected source, including contract personnel, who spray apply paints must be trained by the dates specified in paragraphs (d)(8)(i) and (ii) of this section.

(i) If your source is a new source, all personnel must be trained and certified no later than January 20, 2009, 180 days after startup, or 180 days after hiring, whichever is later. Training that was completed within 5 years prior to the date training is required, and that meets the requirements specified in paragraph (d)(6)(ii) of this section satisfies this requirement and is valid for a period not to exceed 5 years after the date the training is completed.

(ii) If your source is an existing source, all personnel must be trained and certified no later than July 25, 2011, or 180 days after hiring, whichever is later. Worker training that was completed within 5 years prior to the date training is required, and that meets the requirements specified in paragraph (d)(6)(ii) of this section, satisfies this requirement and is valid for a period not to exceed 5 years after the date the training is completed.

(9) *Duration of training validity.* Training and certification will be valid for a period not to exceed 5 years after the date the training is completed. All personnel must receive refresher training that meets the requirements of this section and be re-certified every 5 years.

(e) [Reserved]

(f) *Standards for welding.* If you own or operate a new or existing welding affected source, you must comply with the requirements in paragraphs (f)(1) and (2) of this section for each welding operation that uses materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. If your welding affected source uses 2,000 pounds or more per year of welding rod containing one or more MFHAP (calculated on a rolling 12-month basis), you must demonstrate that management practices or fume control measures are being implemented by complying with the requirements in paragraphs (f)(3) through (8) of this section. The requirements in paragraphs (f)(1) through (8) of this section do not apply when welding operations are being performed that do not use any materials containing MFHAP or do not have the potential to emit MFHAP.

(1) You must operate all equipment, capture, and control devices associated with welding operations according to manufacturer's instructions. You must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the capture and control devices, as specified by the requirements in §63.11519(c)(4), "Notification, recordkeeping, and reporting requirements."

(2) You must implement one or more of the management practices specified in paragraphs (f)(2)(i) through (v) of this section to minimize emissions of MFHAP, as practicable, while maintaining the required welding quality through the application of sound engineering judgment.

(i) Use welding processes with reduced fume generation capabilities (e.g., gas metal arc welding (GMAW)—also called metal inert gas welding (MIG));

(ii) Use welding process variations (e.g., pulsed current GMAW), which can reduce fume generation rates;

(iii) Use welding filler metals, shielding gases, carrier gases, or other process materials which are capable of reduced welding fume generation;

(iv) Optimize welding process variables (e.g., electrode diameter, voltage, amperage, welding angle, shield gas flow rate, travel speed) to reduce the amount of welding fume generated; and

(v) Use a welding fume capture and control system, operated according to the manufacturer's specifications.

(3) *Tier 1 compliance requirements for welding.* You must perform visual determinations of welding fugitive emissions as specified in §63.11517(b), "Monitoring requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations. You must keep a record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in §63.11519(c)(2), "Notification, recordkeeping, and reporting requirements."

(4) *Requirements upon initial detection of visible emissions from welding.* If visible fugitive emissions are detected during any visual determination required in paragraph (f)(3) of this section, you must comply with the requirements in paragraphs (f)(4)(i) and (ii) of this section.

(i) Perform corrective actions that include, but are not limited to, inspection of welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with paragraph (f)(2) of this section. After completing such corrective actions, you must perform a follow-up inspection for visible fugitive emissions in accordance with §63.11517(a), "Monitoring Requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations.

(ii) Report all instances where visible emissions are detected, along with any corrective action taken and the results of subsequent follow-up inspections for visible emissions, and submit with your annual certification and compliance report as required by §63.11519(b)(5), "Notification, recordkeeping, and reporting requirements."

(5) *Tier 2 requirements upon subsequent detection of visible emissions.* If visible fugitive emissions are detected more than once during any consecutive 12 month period (notwithstanding the results of any follow-up inspections), you must comply with paragraphs (f)(5)(i) through (iv) of this section.

(i) Within 24 hours of the end of the visual determination of fugitive emissions in which visible fugitive emissions were detected, you must conduct a visual determination of emissions opacity, as specified in §63.11517(c), "Monitoring requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations.

(ii) In lieu of the requirement of paragraph (f)(3) of this section to perform visual determinations of fugitive emissions with EPA Method 22, you must perform visual determinations of emissions opacity in accordance with §63.11517(d), "Monitoring Requirements," using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.

(iii) You must keep a record of each visual determination of emissions opacity performed in accordance with paragraphs (f)(5)(i) or (ii) of this section, along with any subsequent corrective action taken, in accordance with the requirements in §63.11519(c)(3), "Notification, recordkeeping, and reporting requirements."

(iv) You must report the results of all visual determinations of emissions opacity performed in accordance with paragraphs (f)(5)(i) or (ii) of this section, along with any subsequent corrective action taken, and submit with your annual certification and compliance report as required by §63.11519(b)(6), "Notification, recordkeeping, and reporting requirements."

(6) *Requirements for opacities less than or equal to 20 percent but greater than zero.* For each visual determination of emissions opacity performed in accordance with paragraph (f)(5) of this section for which the average of the six-minute average opacities recorded is 20 percent or less but greater than zero, you must perform corrective actions, including inspection of all welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with paragraph (f)(2) of this section.

(7) *Tier 3 requirements for opacities exceeding 20 percent.* For each visual determination of emissions opacity performed in accordance with paragraph (f)(5) of this section for which the average of the six-minute average opacities recorded exceeds 20 percent, you must comply with the requirements in paragraphs (f)(7)(i) through (v) of this section.

(i) You must submit a report of exceedence of 20 percent opacity, along with your annual certification and compliance report, as specified in §63.11519(b)(8), "Notification, recordkeeping, and reporting requirements," and according to the requirements of §63.11519(b)(1), "Notification, recordkeeping, and reporting requirements."

(ii) Within 30 days of the opacity exceedence, you must prepare and implement a Site-Specific Welding Emissions Management Plan, as specified in paragraph (f)(8) of this section. If you have already prepared a Site-Specific Welding Emissions Management Plan in accordance with this paragraph, you must prepare and implement a revised Site-Specific Welding Emissions Management Plan within 30 days.

(iii) During the preparation (or revision) of the Site-Specific Welding Emissions Management Plan, you must continue to perform visual determinations of emissions opacity, beginning on a daily schedule as specified in §63.11517(d), "Monitoring Requirements," using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.

(iv) You must maintain records of daily visual determinations of emissions opacity performed in accordance with paragraph (f)(7)(iii) of this section, during preparation of the Site-Specific Welding Emissions Management Plan, in accordance with the requirements in §63.11519(b)(9), "Notification, recordkeeping, and reporting requirements."

(v) You must include these records in your annual certification and compliance report, according to the requirements of §63.11519(b)(1), "Notification, recordkeeping, and reporting requirements."

(8) *Site-Specific Welding Emissions Management Plan*. The Site-Specific Welding Emissions Management Plan must comply with the requirements in paragraphs (f)(8)(i) through (iii) of this section.

(i) Site-Specific Welding Emissions Management Plan must contain the information in paragraphs (f)(8)(i)(A) through (F) of this section.

(A) Company name and address;

(B) A list and description of all welding operations which currently comprise the welding affected source;

(C) A description of all management practices and/or fume control methods in place at the time of the opacity exceedence;

(D) A list and description of all management practices and/or fume control methods currently employed for the welding affected source;

(E) A description of additional management practices and/or fume control methods to be implemented pursuant to paragraph (f)(7)(ii) of this section, and the projected date of implementation; and

(F) Any revisions to a Site-Specific Welding Emissions Management Plan must contain copies of all previous plan entries, pursuant to paragraphs (f)(8)(i)(D) and (E) of this section.

(ii) The Site-Specific Welding Emissions Management Plan must be updated annually to contain current information, as required by paragraphs (f)(8)(i)(A) through (C) of this section, and submitted with your annual certification and compliance report, according to the requirements of §63.11519(b)(1), "Notification, recordkeeping, and reporting requirements."

(iii) You must maintain a copy of the current Site-Specific Welding Emissions Management Plan in your records in a readily-accessible location for inspector review, in accordance with the requirements in §63.11519(c)(12), "Notification, recordkeeping, and reporting requirements."

§63.11517 What are my monitoring requirements?

(a) *Visual determination of fugitive emissions, general*. Visual determination of fugitive emissions must be performed according to the procedures of EPA Method 22, of 40 CFR part 60, Appendix A-7. You must conduct the EPA Method 22 test while the affected source is operating under normal conditions. The duration of each EPA Method 22 test must be at least 15 minutes, and visible emissions will be considered to be present if they are detected for more than six minutes of the fifteen minute period.

(b) *Visual determination of fugitive emissions, graduated schedule*. Visual determinations of fugitive emissions must be performed in accordance with paragraph (a) of this section and according to the schedule in paragraphs (b)(1) through (4) of this section.

(1) *Daily Method 22 Testing*. Perform visual determination of fugitive emissions once per day, on each day the process is in operation, during operation of the process.

(2) *Weekly Method 22 Testing*. If no visible fugitive emissions are detected in consecutive daily EPA Method 22 tests, performed in accordance with paragraph (b)(1) of this section for 10 days of work day operation of the process, you may decrease the frequency of EPA Method 22 testing to once every five days of operation of the process (one calendar week). If visible fugitive emissions are detected during these tests, you must resume EPA Method 22 testing of that operation once per day during each day that the process is in operation, in accordance with paragraph (b)(1) of this section.

(3) *Monthly Method 22 Testing*. If no visible fugitive emissions are detected in four consecutive weekly EPA Method 22 tests performed in accordance with paragraph (b)(2) of this section, you may decrease the frequency of EPA Method 22 testing to once per 21 days of operation of the process (one calendar month). If visible fugitive emissions

are detected during these tests, you must resume weekly EPA Method 22 in accordance with paragraph (b)(2) of this section.

(4) *Quarterly Method 22 Testing.* If no visible fugitive emissions are detected in three consecutive monthly EPA Method 22 tests performed in accordance with paragraph (b)(3) of this section, you may decrease the frequency of EPA Method 22 testing to once per 60 days of operation of the process (3 calendar months). If visible fugitive emissions are detected during these tests, you must resume monthly EPA Method 22 in accordance with paragraph (b)(3) of this section.

(c) *Visual determination of emissions opacity for welding Tier 2 or 3, general.* Visual determination of emissions opacity must be performed in accordance with the procedures of EPA Method 9, of 40 CFR part 60, Appendix A-4, and while the affected source is operating under normal conditions. The duration of the EPA Method 9 test shall be thirty minutes.

(d) *Visual determination of emissions opacity for welding Tier 2 or 3, graduated schedule.* You must perform visual determination of emissions opacity in accordance with paragraph (c) of this section and according to the schedule in paragraphs (d)(1) through (5) of this section.

(1) *Daily Method 9 testing for welding, Tier 2 or 3.* Perform visual determination of emissions opacity once per day during each day that the process is in operation.

(2) *Weekly Method 9 testing for welding, Tier 2 or 3.* If the average of the six minute opacities recorded during any of the daily consecutive EPA Method 9 tests performed in accordance with paragraph (d)(1) of this section does not exceed 20 percent for 10 days of operation of the process, you may decrease the frequency of EPA Method 9 testing to once per five days of consecutive work day operation. If opacity greater than 20 percent is detected during any of these tests, you must resume testing every day of operation of the process according to the requirements of paragraph (d)(1) of this section.

(3) *Monthly Method 9 testing for welding Tier 2 or 3.* If the average of the six minute opacities recorded during any of the consecutive weekly EPA Method 9 tests performed in accordance with paragraph (d)(2) of this section does not exceed 20 percent for four consecutive weekly tests, you may decrease the frequency of EPA Method 9 testing to once per every 21 days of operation of the process. If visible emissions opacity greater than 20 percent is detected during any monthly test, you must resume testing every five days of operation of the process according to the requirements of paragraph (d)(2) of this section.

(4) *Quarterly Method 9 testing for welding Tier 2 or 3.* If the average of the six minute opacities recorded during any of the consecutive weekly EPA Method 9 tests performed in accordance with paragraph (d)(3) of this section does not exceed 20 percent for three consecutive monthly tests, you may decrease the frequency of EPA Method 9 testing to once per every 120 days of operation of the process. If visible emissions opacity greater than 20 percent is detected during any quarterly test, you must resume testing every 21 days (month) of operation of the process according to the requirements of paragraph (d)(3) of this section.

(5) *Return to Method 22 testing for welding, Tier 2 or 3.* If, after two consecutive months of testing, the average of the six minute opacities recorded during any of the monthly EPA Method 9 tests performed in accordance with paragraph (d)(3) of this section does not exceed 20 percent, you may resume EPA Method 22 testing as in paragraphs (b)(3) and (4) of this section. In lieu of this, you may elect to continue performing EPA Method 9 tests in accordance with paragraphs (d)(3) and (4) of this section.

§63.11518 [Reserved]

§63.11519 What are my notification, recordkeeping, and reporting requirements?

(a) *What notifications must I submit?—(1) Initial notification.* If you are the owner or operator of an area source in one of the nine metal fabrication and finishing source categories, as defined in §63.11514 “Am I subject to this subpart?,” you must submit the Initial Notification required by §63.9(b) “General Provisions,” for a new affected source no later than 120 days after initial startup or November 20, 2008, whichever is later. For an existing affected source, you must submit the Initial Notification no later than July 25, 2011. Your Initial Notification must provide the information specified in paragraphs (a)(1)(i) through (iv) of this section.

(i) The name, address, phone number and e-mail address of the owner and operator;

(ii) The address (physical location) of the affected source;

(iii) An identification of the relevant standard (i.e., this subpart); and

(iv) A brief description of the type of operation. For example, a brief characterization of the types of products (e.g., aerospace components, sports equipment, etc.), the number and type of processes, and the number of workers usually employed.

(2) *Notification of compliance status.* If you are the owner or operator of an existing affected source, you must submit a notification of compliance status on or before November 22, 2011. If you are the owner or operator of a new affected source, you must submit a notification of compliance status within 120 days after initial startup, or by November 20, 2008, whichever is later. You are required to submit the information specified in paragraphs (a)(2)(i) through (iv) of this section with your notification of compliance status:

(i) Your company's name and address;

(ii) A statement by a responsible official with that official's name, title, phone number, e-mail address and signature, certifying the truth, accuracy, and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart;

(iii) If you operate any spray painting affected sources, the information required by §63.11516(e)(3)(vi)(C), "Compliance demonstration," or §63.11516(e)(4)(ix)(C), "Compliance demonstration," as applicable; and

(iv) The date of the notification of compliance status.

(b) *What reports must I prepare or submit?—(1) Annual certification and compliance reports.* You must prepare and submit annual certification and compliance reports for each affected source according to the requirements of paragraphs (b)(2) through (7) of this section. The annual certification and compliance reporting requirements may be satisfied by reports required under other parts of the CAA, as specified in paragraph (b)(3) of this section.

(2) *Dates.* Unless the Administrator has approved or agreed to a different schedule for submission of reports under §63.10(a), "General Provisions," you must prepare and submit each annual certification and compliance report according to the dates specified in paragraphs (b)(2)(i) through (iii) of this section. Note that the information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

(i) The first annual certification and compliance report must cover the first annual reporting period which begins the day after the compliance date and ends on December 31.

(ii) Each subsequent annual certification and compliance report must cover the subsequent semiannual reporting period from January 1 through December 31.

(iii) Each annual certification and compliance report must be prepared and submitted no later than January 31 and kept in a readily-accessible location for inspector review. If an exceedance has occurred during the year, each annual certification and compliance report must be submitted along with the exceedance reports, and postmarked or delivered no later than January 31.

(3) *Alternate dates.* For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, "Title V."

(i) If the permitting authority has established dates for submitting annual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), "Title V," you may prepare or submit, if required, the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the date specified in paragraph (b)(2)(iii) of this section.

(ii) If an affected source prepares or submits an annual certification and compliance report pursuant to this section along with, or as part of, the monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), "Title V," and the compliance report includes all required information concerning exceedences of any limitation in this subpart, its submission will be deemed to satisfy any obligation to report the same exceedences in the annual monitoring report. However, submission of an annual certification and compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

(4) *General requirements.* The annual certification and compliance report must contain the information specified in paragraphs (b)(4)(i) through (iii) of this section, and the information specified in paragraphs (b)(5) through (7) of this section that is applicable to each affected source.

(i) Company name and address;

(ii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report; and

(iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 12-month period ending on December 31. Note that the information reported for the 12 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

(5) *Visual determination of fugitive emissions requirements.* The annual certification and compliance report must contain the information specified in paragraphs (b)(5)(i) through (iii) of this section for each affected source which performs visual determination of fugitive emissions in accordance with §63.11517(a), "Monitoring requirements."

(i) The date of every visual determination of fugitive emissions which resulted in detection of visible emissions;

(ii) A description of the corrective actions taken subsequent to the test; and

(iii) The date and results of the follow-up visual determination of fugitive emissions performed after the corrective actions.

(6) *Visual determination of emissions opacity requirements.* The annual certification and compliance report must contain the information specified in paragraphs (b)(6)(i) through (iii) of this section for each affected source which performs visual determination of emissions opacity in accordance with §63.11517(c), "Monitoring requirements."

(i) The date of every visual determination of emissions opacity;

(ii) The average of the six-minute opacities measured by the test; and

(iii) A description of any corrective action taken subsequent to the test.

(7) [Reserved]

(8) *Exceedences of 20 percent opacity for welding affected sources.* As required by §63.11516(f)(7)(i), "Requirements for opacities exceeding 20 percent," you must prepare an exceedence report whenever the average of the six-minute average opacities recorded during a visual determination of emissions opacity exceeds 20 percent. This report must be submitted along with your annual certification and compliance report according to the requirements in paragraph (b)(1) of this section, and must contain the information in paragraphs (b)(8)(iii)(A) and (B) of this section.

(A) The date on which the exceedence occurred; and

(B) The average of the six-minute average opacities recorded during the visual determination of emissions opacity.

(9) *Site-specific Welding Emissions Management Plan reporting.* You must submit a copy of the records of daily visual determinations of emissions recorded in accordance with §63.11516(f)(7)(iv), "Tier 3 requirements for opacities exceeding 20 percent," and a copy of your Site-Specific Welding Emissions Management Plan and any subsequent

revisions to the plan pursuant to §63.11516(f)(8), "Site-specific Welding Emission Management Plan," along with your annual certification and compliance report, according to the requirements in paragraph (b)(1) of this section.

(c) *What records must I keep?* You must collect and keep records of the data and information specified in paragraphs (c)(1) through (13) of this section, according to the requirements in paragraph (c)(14) of this section.

(1) *General compliance and applicability records.* Maintain information specified in paragraphs (c)(1)(i) through (ii) of this section for each affected source.

(i) Each notification and report that you submitted to comply with this subpart, and the documentation supporting each notification and report.

(ii) Records of the applicability determinations as in §63.11514(b)(1) through (5), "Am I subject to this subpart," listing equipment included in its affected source, as well as any changes to that and on what date they occurred, must be maintained for 5 years and be made available for inspector review at any time.

(2) *Visual determination of fugitive emissions records.* Maintain a record of the information specified in paragraphs (c)(2)(i) through (iii) of this section for each affected source which performs visual determination of fugitive emissions in accordance with §63.11517(a), "Monitoring requirements."

(i) The date and results of every visual determination of fugitive emissions;

(ii) A description of any corrective action taken subsequent to the test; and

(iii) The date and results of any follow-up visual determination of fugitive emissions performed after the corrective actions.

(3) *Visual determination of emissions opacity records.* Maintain a record of the information specified in paragraphs (c)(3)(i) through (iii) of this section for each affected source which performs visual determination of emissions opacity in accordance with §63.11517(c), "Monitoring requirements."

(i) The date of every visual determination of emissions opacity; and

(ii) The average of the six-minute opacities measured by the test; and

(iii) A description of any corrective action taken subsequent to the test.

(4) Maintain a record of the manufacturer's specifications for the control devices used to comply with §63.11516, "What are my standards and management practices?"

(5) *Spray paint booth filter records.* Maintain a record of the filter efficiency demonstrations and spray paint booth filter maintenance activities, performed in accordance with §63.11516(d)(1)(ii) and (iii), "Requirements for spray painting objects in spray booths or spray rooms."

(6) *Waterspray booth or water curtain efficiency tests.* Maintain a record of the water curtain efficiency demonstrations performed in accordance with §63.11516(d)(1)(ii), "Requirements for spray painting objects in spray booths or spray rooms."

(7) *HVLP or other high transfer efficiency spray delivery system documentation records.* Maintain documentation of HVLP or other high transfer efficiency spray paint delivery systems, in compliance with §63.11516(d)(3), "Requirements for spray painting of all objects." This documentation must include the manufacturer's specifications for the equipment and any manufacturer's operation instructions. If you have obtained written approval for an alternative spray application system in accordance with §63.11516(d)(2), "Spray painting of all objects," you must maintain a record of that approval along with documentation of the demonstration of equivalency.

(8) *HVLP or other high transfer efficiency spray delivery system employee training documentation records.* Maintain certification that each worker performing spray painting operations has completed the training specified in §63.11516(d)(6), "Requirements for spray painting of all objects," with the date the initial training and the most recent refresher training was completed.

(9)-(10) [Reserved]

(11) *Visual determination of emissions opacity performed during the preparation (or revision) of the Site-Specific Welding Emissions Management Plan.* You must maintain a record of each visual determination of emissions opacity performed during the preparation (or revision) of a Site-Specific Welding Emissions Management Plan, in accordance with §63.11516(f)(7)(iii), "Requirements for opacities exceeding 20 percent."

(12) *Site-Specific Welding Emissions Management Plan.* If you have been required to prepare a plan in accordance with §63.11516(f)(7)(iii), "Site-Specific Welding Emissions Management Plan," you must maintain a copy of your current Site-Specific Welding Emissions Management Plan in your records and it must be readily available for inspector review.

(13) *Manufacturer's instructions.* If you comply with this subpart by operating any equipment according to manufacturer's instruction, you must keep these instructions readily available for inspector review.

(14) *Welding Rod usage.* If you operate a new or existing welding affected source which is not required to comply with the requirements of §63.11516(f)(3) through (8) because it uses less than 2,000 pounds per year of welding rod (on a rolling 12-month basis), you must maintain records demonstrating your welding rod usage on a rolling 12-month basis.

(15) Your records must be maintained according to the requirements in paragraphs (c)(14)(i) through (iii) of this section.

(i) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1), "General Provisions." Where appropriate, the records may be maintained as electronic spreadsheets or as a database.

(ii) As specified in §63.10(b)(1), "General Provisions," you must keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record.

(iii) You must keep each record on-site for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record according to §63.10(b)(1), "General Provisions." You may keep the records off-site for the remaining 3 years.

§63.11520 [Reserved]

Other Requirements and Information

§63.11521 Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by EPA or a delegated authority such as your state, local, or tribal agency. If the EPA Administrator has delegated authority to your state, local, or tribal agency, then that agency, in addition to EPA, has the authority to implement and enforce this subpart. You should contact your EPA Regional Office to find out if implementation and enforcement of this subpart is delegated to your state, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a state, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the EPA Administrator and are not transferred to the state, local, or tribal agency.

(c) The authorities that cannot be delegated to state, local, or tribal agencies are specified in paragraphs (c)(1) through (5) of this section.

- (1) Approval of an alternative non-opacity emissions standard under §63.6(g), of the General Provisions of this part.
- (2) Approval of an alternative opacity emissions standard under §63.6(h)(9), of the General Provisions of this part.
- (3) Approval of a major change to test methods under §63.7(e)(2)(ii) and (f), of the General Provisions of this part. A “major change to test method” is defined in §63.90.
- (4) Approval of a major change to monitoring under §63.8(f), of the General Provisions of this part. A “major change to monitoring” under is defined in §63.90.
- (5) Approval of a major change to recordkeeping and reporting under §63.10(f), of the General Provisions of this part. A “major change to recordkeeping/reporting” is defined in §63.90.

§63.11522 What definitions apply to this subpart?

The terms used in this subpart are defined in the CAA; and in this section as follows:

Adequate emission capture methods are hoods, enclosures, or any other duct intake devices with ductwork, dampers, manifolds, plenums, or fans designed to draw greater than 85 percent of the airborne dust generated from the process into the control device.

Capture system means the collection of components used to capture gases and fumes released from one or more emissions points and then convey the captured gas stream to a control device or to the atmosphere. A capture system may include, but is not limited to, the following components as applicable to a given capture system design: duct intake devices, hoods, enclosures, ductwork, dampers, manifolds, plenums, and fans.

Cartridge collector means a type of control device that uses perforated metal cartridges containing a pleated paper or non-woven fibrous filter media to remove PM from a gas stream by sieving and other mechanisms. Cartridge collectors can be designed with single use cartridges, which are removed and disposed after reaching capacity, or continuous use cartridges, which typically are cleaned by means of a pulse-jet mechanism.

Confined abrasive blasting enclosure means an enclosure that includes a roof and at least two complete walls, with side curtains and ventilation as needed to insure that no air or PM exits the enclosure while dry abrasive blasting is performed. Apertures or slots may be present in the roof or walls to allow for mechanized transport of the blasted objects with overhead cranes, or cable and cord entry into the dry abrasive blasting chamber.

Control device means equipment installed on a process vent or exhaust system that reduces the quantity of a pollutant that is emitted to the air.

Dry abrasive blasting means cleaning, polishing, conditioning, removing or preparing a surface by propelling a stream of abrasive material with compressed air against the surface. Hydroblasting, wet abrasive blasting, or other abrasive blasting operations which employ liquids to reduce emissions are not dry abrasive blasting.

Dry grinding and dry polishing with machines means grinding or polishing without the use of lubricating oils or fluids in fixed or stationary machines. Hand grinding, hand polishing, and bench top dry grinding and dry polishing are not included under this definition.

Fabric filter means a type of control device used for collecting PM by filtering a process exhaust stream through a filter or filter media; a fabric filter is also known as a baghouse.

Facility maintenance means operations performed as part of the routine repair or renovation of process equipment, machinery, control equipment, and structures that comprise the infrastructure of the affected facility and that are necessary for the facility to function in its intended capacity. Facility maintenance also includes operations associated with the installation of new equipment or structures, and any processes as part of janitorial activities. Facility maintenance includes operations on stationary structures or their appurtenances at the site of installation, to portable buildings at the site of installation, to pavements, or to curbs. Facility maintenance also includes operations performed on mobile equipment, such as fork trucks, that are used in a manufacturing facility and which are

maintained in that same facility. Facility maintenance does not include spray-applied coating of motor vehicles, mobile equipment, or items that routinely leave and return to the facility, such as delivery trucks, rental equipment, or containers used to transport, deliver, distribute, or dispense commercial products to customers, such as compressed gas canisters.

Filtration control device means a control device that utilizes a filter to reduce the emissions of MFHAP and other PM.

Grinding means a process performed on a workpiece to remove undesirable material from the surface or to remove burrs or sharp edges. Grinding is done using belts, disks, or wheels consisting of or covered with various abrasives.

Machining means dry metal turning, milling, drilling, boring, tapping, planing, broaching, sawing, cutting, shaving, shearing, threading, reaming, shaping, slotting, hobbing, and chamfering with machines. Shearing operations cut materials into a desired shape and size, while forming operations bend or conform materials into specific shapes. Cutting and shearing operations include punching, piercing, blanking, cutoff, parting, shearing and trimming. Forming operations include bending, forming, extruding, drawing, rolling, spinning, coining, and forging the metal. Processes specifically excluded are hand-held devices and any process employing fluids for lubrication or cooling.

Material containing MFHAP means a material containing one or more MFHAP. Any material that contains cadmium, chromium, lead, or nickel in amounts greater than or equal to 0.1 percent by weight (as the metal), and contains manganese in amounts greater than or equal to 1.0 percent by weight (as the metal), as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the material, is considered to be a material containing MFHAP.

Metal fabrication and finishing HAP (MFHAP) means any compound of the following metals: Cadmium, chromium, lead, manganese, or nickel, or any of these metals in the elemental form, with the exception of lead.

Metal fabrication and finishing source categories are limited to the nine metal fabrication and finishing source categories with the activities described in Table 1, "Description of Source Categories Affected by this Subpart." Metal fabrication or finishing operations means dry abrasive blasting, machining, spray painting, or welding in any one of the nine metal fabrication and finishing area source categories listed in Table 1, "Description of Source Categories Affected by this Subpart."

Military munitions means all ammunition products and components produced or used by or for the U.S. Department of Defense (DoD) or for the U.S. Armed Services for national defense and security, including military munitions under the control of the DoD, the U.S. Coast Guard, the National Nuclear Security Administration (NNSA), U.S. Department of Energy (DOE), and National Guard personnel. The term military munitions includes: Confined gaseous, liquid, and solid propellants, explosives, pyrotechnics, chemical and riot control agents, smokes, and incendiaries used by DoD components, including bulk explosives and chemical warfare agents, chemical munitions, biological weapons, rockets, guided and ballistic missiles, bombs, warheads, small arms ammunition, grenades, mines, torpedoes, depth charges, cluster munitions and dispensers, demolition charges, nonnuclear components of nuclear weapons, wholly inert ammunition products, and all devices and components of any items listed in this definition.

Paint means a material applied to a substrate for decorative, protective, or functional purposes. Such materials include, but are not limited to, paints, coatings, sealants, liquid plastic coatings, caulks, inks, adhesives, and maskants. Decorative, protective, or functional materials that consist only of protective oils for metal, acids, bases, or any combination of these substances, or paper film or plastic film which may be pre-coated with an adhesive by the film manufacturer, are not considered paints for the purposes of this subpart.

Polishing with machines means an operation which removes fine excess metal from a surface to prepare the surface for more refined finishing procedures prior to plating or other processes. Polishing may also be employed to remove burrs on castings or stampings. Polishing is performed using hard-faced wheels constructed of muslin, canvas, felt or leather, and typically employs natural or artificial abrasives. Polishing performed by hand without machines or in bench top operations are not considered polishing with machines for the purposes of this subpart.

Primarily engaged means the manufacturing, fabricating, or forging of one or more products listed in one of the nine metal fabrication and finishing source category descriptions in Table 1, "Description of Source Categories Affected by this Subpart," where this production represents at least 50 percent of the production at a facility, and where production quantities are established by the volume, linear foot, square foot, or other value suited to the specific industry. The period used to determine production should be the previous continuous 12 months of operation.

Facilities must document and retain their rationale for the determination that their facility is not “primarily engaged” pursuant to §63.10(b)(3) of the General Provisions.

Quality control activities means operations that meet all of the following criteria:

- (1) The activities are intended to detect and correct defects in the final product by selecting a limited number of samples from the operation, and comparing the samples against specific performance criteria.
- (2) The activities do not include the production of an intermediate or final product for sale or exchange for commercial profit; for example, parts that are not sold and do not leave the facility.
- (3) The activities are not a normal part of the operation;
- (4) The activities do not involve fabrication of tools, equipment, machinery, and structures that comprise the infrastructure of the facility and that are necessary for the facility to function in its intended capacity; that is, the activities are not facility maintenance.

Responsible official means responsible official as defined in 40 CFR 70.2.

Spray-applied painting means application of paints using a hand-held device that creates an atomized mist of paint and deposits the paint on a substrate. For the purposes of this subpart, spray-applied painting does not include the following materials or activities:

- (1) Paints applied from a hand-held device with a paint cup capacity that is less than 3.0 fluid ounces (89 cubic centimeters).
- (2) Surface coating application using powder coating, hand-held, non-refillable aerosol containers, or non-atomizing application technology, including, but not limited to, paint brushes, rollers, hand wiping, flow coating, dip coating, electrodeposition coating, web coating, coil coating, touch-up markers, or marking pens.
- (3) Painting operations that normally require the use of an airbrush or an extension on the spray gun to properly reach limited access spaces; the application of paints that contain fillers that adversely affect atomization with HVLP spray guns, and the application of paints that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.).
- (4) Thermal spray operations (also known as metallizing, flame spray, plasma arc spray, and electric arc spray, among other names) in which solid metallic or non-metallic material is heated to a molten or semi-molten state and propelled to the work piece or substrate by compressed air or other gas, where a bond is produced upon impact.

Spray booth or spray room means an enclosure with four sides and a roof where spray paint is prevented from leaving the booth during spraying by the enclosure. The roof of the spray booth or spray room may contain narrow slots for connecting the parts and products to overhead cranes, or for cord or cable entry into the spray booth or spray room.

Tool or equipment repair means equipment and devices used to repair or maintain process equipment or to prepare molds, dies, or other changeable elements of process equipment.

Totally enclosed and unvented means enclosed so that no air enters or leaves during operation.

Totally enclosed and unvented dry abrasive blasting chamber means a dry abrasive blasting enclosure which has no vents to the atmosphere, thus no emissions. A typical example of this sort of abrasive blasting enclosure is a small “glove box” enclosure, where the worker places their hands in openings or gloves that extend into the box and enable the worker to hold the objects as they are being blasted without allowing air and blast material to escape the box.

Vented dry abrasive blasting means dry abrasive blasting where the blast material is moved by air flow from within the chamber to outside the chamber into the atmosphere or into a control device.

Welding means a process which joins two metal parts by melting the parts at the joint and filling the space with molten metal.

Welding rod containing MFHAP means a welding rod that contains cadmium, chromium, lead, or nickel in amounts greater than or equal to 0.1 percent by weight (as the metal), or that contains manganese in amounts greater than or equal to 1.0 percent by weight (as the metal), as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the welding rod.

§63.11523 What General Provisions apply to this subpart?

The provisions in 40 CFR part 63, subpart A, applicable to sources subject to §63.11514(a) are specified in Table 2 of this subpart.

Table 1 to Subpart XXXXXX of Part 63—Description of Source Categories Affected by This Subpart

Metal fabrication and finishing source category	Description
Electrical and Electronic Equipment Finishing Operations	Establishments primarily engaged in manufacturing motors and generators; and electrical machinery, equipment, and supplies, not elsewhere classified. The electrical machinery equipment and supplies industry sector of this source category includes establishments primarily engaged in high energy particle acceleration systems and equipment, electronic simulators, appliance and extension cords, bells and chimes, insect traps, and other electrical equipment and supplies not elsewhere classified. The motors and generators sector of this source category includes establishments primarily engaged in manufacturing electric motors (except engine starting motors) and power generators; motor generator sets; railway motors and control equipment; and motors, generators and control equipment for gasoline, electric, and oil-electric buses and trucks.
Fabricated Metal Products	Establishments primarily engaged in manufacturing fabricated metal products, such as fire or burglary resistive steel safes and vaults and similar fire or burglary resistive products; and collapsible tubes of thin flexible metal. Also, establishments primarily engaged in manufacturing powder metallurgy products, metal boxes; metal ladders; metal household articles, such as ice cream freezers and ironing boards; and other fabricated metal products not elsewhere classified.
Fabricated Plate Work (Boiler Shops)	Establishments primarily engaged in manufacturing power marine boilers, pressure and nonpressure tanks, processing and storage vessels, heat exchangers, weldments and similar products.
Fabricated Structural Metal Manufacturing	Establishments primarily engaged in fabricating iron and steel or other metal for structural purposes, such as bridges, buildings, and sections for ships, boats, and barges.
Heating Equipment, except Electric	Establishments primarily engaged in manufacturing heating equipment, except electric and warm air furnaces, including gas, oil, and stoker coal fired equipment for the automatic utilization of gaseous, liquid, and solid fuels. Products produced in this source category include low-pressure heating (steam or hot water) boilers, fireplace inserts, domestic (steam or hot water) furnaces, domestic gas burners, gas room heaters, gas infrared heating units, combination gas-oil burners, oil or gas swimming pool heaters, heating apparatus (except electric or warm air), kerosene space heaters, gas fireplace logs, domestic and industrial oil burners, radiators (except electric), galvanized iron nonferrous metal range boilers, room heaters (except electric), coke and gas burning salamanders, liquid or gas solar energy collectors, solar heaters, space heaters (except electric), mechanical (domestic and industrial) stokers, wood and coal-burning stoves, domestic unit heaters (except electric), and wall heaters (except electric).

Metal fabrication and finishing source category	Description
Industrial Machinery and Equipment Finishing Operations	Establishments primarily engaged in construction machinery manufacturing; oil and gas field machinery manufacturing; and pumps and pumping equipment manufacturing. The construction machinery manufacturing industry sector of this source category includes establishments primarily engaged in manufacturing heavy machinery and equipment of types used primarily by the construction industries, such as bulldozers; concrete mixers; cranes, except industrial plant overhead and truck-type cranes; dredging machinery; pavers; and power shovels. Also establishments primarily engaged in manufacturing forestry equipment and certain specialized equipment, not elsewhere classified, similar to that used by the construction industries, such as elevating platforms, ship cranes, and capstans, aerial work platforms, and automobile wrecker hoists. The oil and gas field machinery manufacturing industry sector of this source category includes establishments primarily engaged in manufacturing machinery and equipment for use in oil and gas fields or for drilling water wells, including portable drilling rigs. The pumps and pumping equipment manufacturing sector of this source category includes establishments primarily engaged in manufacturing pumps and pumping equipment for general industrial, commercial, or household use, except fluid power pumps and motors. This category includes establishments primarily engaged in manufacturing domestic water and sump pumps.
Iron and Steel Forging	Establishments primarily engaged in the forging manufacturing process, where purchased iron and steel metal is pressed, pounded or squeezed under great pressure into high strength parts known as forgings. The forging process is different from the casting and foundry processes, as metal used to make forged parts is never melted and poured.
Primary Metals Products Manufacturing	Establishments primarily engaged in manufacturing products such as fabricated wire products (except springs) made from purchased wire. These facilities also manufacture steel balls; nonferrous metal brads and nails; nonferrous metal spikes, staples, and tacks; and other primary metals products not elsewhere classified.
Valves and Pipe Fittings	Establishments primarily engaged in manufacturing metal valves and pipe fittings; flanges; unions, with the exception of purchased pipes; and other valves and pipe fittings not elsewhere classified.

Table 2 to Subpart XXXXXX of Part 63—Applicability of General Provisions to Metal Fabrication or Finishing Area Sources

Instructions for Table 2—As required in §63.11523, “General Provisions Requirements,” you must meet each requirement in the following table that applies to you.

Citation	Subject
63.1 ¹	Applicability.
63.2	Definitions.
63.3	Units and abbreviations.
63.4	Prohibited activities.
63.5	Construction/reconstruction.
63.6(a), (b)(1)-(b)(5), (c)(1), (c)(2), (c)(5), (g), (i), (j)	Compliance with standards and maintenance requirements.
63.9(a)-(d)	Notification requirements.
63.10(a), (b) except for (b)(2), (d)(1), (d)(4)	Recordkeeping and reporting.
63.12	State authority and delegations.

Citation	Subject
63.13	Addresses of State air pollution control agencies and EPA regional offices.
63.14	Incorporation by reference.
63.15	Availability of information and confidentiality.
63.16	Performance track provisions.

¹§63.11514(g), "Am I subject to this subpart?" exempts affected sources from the obligation to obtain title V operating permits.

Indiana Department of Environmental Management
Office of Air Quality

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

Source Description and Location
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Source Name:	Indiana Bridge, Inc.
Source Location:	1810 S. Macedonia Ave., Muncie, Indiana 47302
County:	Delaware
SIC Code:	3441 (Fabricated Structural Metal)
Permit Renewal No.:	F035-39084-00092
Permit Reviewer:	Sarah Green

On September 19, 2017, Indiana Bridge, Inc. submitted an application to the Office of Air Quality (OAQ) requesting to renew its operating permit. OAQ has reviewed the operating permit renewal application from Indiana Bridge, Inc. relating to the operation of a stationary structural steel manufacturing plant. Indiana Bridge, Inc. was issued a New Source Construction FESOP (F035-32827-00092) on June 20, 2013.

Source Definition

This source is contiguous to Gerdau Ameristeel:

- (a) Gerdau Ameristeel is located at 1610 S Macedonia Ave., Muncie, IN 47302, Plant ID: 035-00076;
- (b) Indiana Bridge, Inc. is located at 1810 S Macedonia Ave., Muncie, IN 47302, Plant ID: 035-00092.

In order to consider both plants as one single source, all three of the following criteria must be met:

- (1) The plants must have common ownership/control;
- (2) The plants must have the same SIC code; and
- (3) The plants must be located on contiguous or adjacent properties.

These plants are located on contiguous properties and have the same two-digit SIC code; however, there is no common ownership/control between the two plants. Therefore, based on this evaluation these plants will not be considered one (1) source, as defined by 326 IAC 2-7-1(22).

This determination was initially made in FESOP No. 035-32827-00092, issued on June 20, 2013.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

- (a) One (1) surface coating operation, identified as SC, constructed in 2009, with a maximum capacity of 16,000 tons of steel per hour and 0.38 gallons of coating per minute, using no control, and exhausting outdoors;
- (b) One (1) enclosed shot blasting operation, identified as SB, constructed in 1973, with a maximum capacity of 316,800 pounds of steel shot per hour and 16,000 pounds of steel per hour, using a baghouse for control, and exhausting outdoors.

Under 40 CFR Part 63, Subpart XXXXXX, this unit is an existing affected facility.

Insignificant Activities

The source also consists of the following insignificant activities:

- (a) One (1) gas metal arc welding (GMAW) operation, constructed in 2009, with a maximum capacity of 15.8 pounds of E70C electrode per hour, using no control;
- (b) One (1) plasma cutting operation emitting no HAPs;
- (c) Thirty five (35) natural gas combustion units, constructed after 1983 and prior to 2018, consisting of:
 - (1) One (1) natural gas-fired space heater, with a maximum heat input capacity of 0.10 MMBtu per hour, using no controls, and exhausting outdoors;
 - (2) Two (2) natural gas-fired space heaters, each with a maximum heat input capacity of 0.125 MMBtu per hour, using no controls, and exhausting outdoors;
 - (3) Two (2) natural gas-fired space heaters, each with a maximum heat input capacity of 0.02 MMBtu per hour, using no controls, and exhausting outdoors;
 - (4) One (1) natural gas-fired space heater with a maximum heat input capacity of 0.04 MMBtu per hour, using no controls, and exhausting outdoors;
 - (5) Twenty-eight (28) natural gas-fired space heaters, each with a maximum heat input capacity of 0.25 MMBtu per hour, using no controls, and exhaust outdoors;
 - (6) One (1) natural gas-fired space heater with a maximum heat input capacity of 3.5 MMBtu per hour, using no controls, and exhausting outdoors.

Existing Approvals

The source was issued FESOP No. F035-32827-00092 on June 20, 2013. There have been no subsequent approvals issued.

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

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Delaware County. The following attainment status designations are applicable to Delaware County:

Pollutant	Designation
SO ₂	Better than national standards.

Pollutant	Designation
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	Nonattainment effective December 31, 2010, for a portion of the city of Muncie, Indiana bounded to the north by West Street/Hines Road, to the east by Cowan Road, to the south by West Fuson Road, and to the west by a line running south from the eastern edge of Victory Temple's driveway to South Hoyt Avenue and then along South Hoyt Avenue. Unclassifiable or attainment effective December 31, 2011, for the remainder of the county.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.	

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

Fugitive Emissions

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

Greenhouse Gas (GHG) Emissions

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

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is

invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Unrestricted Potential Emissions	
Pollutant	Tons/Year
PM	5,758
PM ₁₀	4,982
PM _{2.5}	4,982
SO ₂	0.03
NO _x	4.69
VOC	192.3
CO	3.94
Single HAP	90.12
Total HAP	243.8

Unrestricted Potential Emissions	
HAPs	Tons/Year
Xylene	90.12
Manganese	66.63
Toluene	35.05
Ethylbenzene	14.14
Nickel	13.89
Chromium	13.88
Methyl Isobutyl Ketone	9.45
Other*	0.67
Total	243.8

*Other includes: Cumene, Naphthalene, Hexane, Methanol, Formaldehyde, Benzene, Cobalt, Dichlorobenzene, Cadmium, and Lead.

- (a) The potential to emit (as defined in 326 IAC 2-7-1(30)) of PM₁₀, PM_{2.5}, and VOC is equal to or greater than 100 tons per year. However, the Permittee has agreed to limit the source's PM₁₀, PM_{2.5}, and VOC emissions to less than Title V levels; therefore, the Permittee will be issued a FESOP Renewal.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(30)) of all other criteria pollutants are less than 100 tons per year.
- (c) The potential to emit (as defined in 326 IAC 2-7-1(30)) of any single HAP is equal to or greater than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(30)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. However, the Permittee has agreed to limit the source's single HAP emissions and total HAP emissions below Title V levels. Therefore, the Permittee will be issued a FESOP Renewal.

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits of the emission units. Any control equipment is considered enforceable only after issuance of this FESOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Renewal (tons/year)								
	PM ¹	PM ₁₀ ¹	PM _{2.5} ^{1,2}	SO ₂	NO _x	VOC	CO	Total HAPs	Single HAP ³
Surface Coating ^{4,5,6,7}	24.0	24.0	24.0	-	-	75.0	-	11.50	9.00
Shot Blasting ^{4,5,7}	150.0	50.0	50.0	-	-	-	-	12.00	4.00
Welding	0.36	0.36	0.36	-	-	-	-	0.04	-
Plasma Cutting	0.17	0.17	0.17	-	-	-	-	-	-
Natural Gas Combustion	0.09	0.36	0.36	0.03	4.69	0.26	3.94	0.09	-
Total PTE of Entire Source	174.6	74.89	74.89	0.03	4.69	75.26	3.94	23.63	9.00
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	NA	NA

¹ Under the Part 70 Permit program (40 CFR 70), PM₁₀ and PM_{2.5}, not particulate matter (PM), are each considered as a "regulated air pollutant."
² PM_{2.5} listed is direct PM_{2.5}.
³ Single highest source-wide HAP. For surface coating, Xylene, Toluene, Ethylbenzene, and Methyl Isobutyl Ketone are each limited to 9.00 tons/year. For shot blasting, Manganese, Nickel, and Chromium are each limited to 4.00 tons/year.
⁴ PM emissions are limited to render the requirements of 326 IAC 2-2 not applicable.
⁵ PM₁₀ and PM_{2.5} emissions are limited to render the requirements of 326 IAC 2-7 not applicable.
⁶ VOC emissions are limited to render the requirements of 326 IAC 2-7 not applicable.
⁷ HAPs emissions are limited to render the requirements of 326 IAC 2-7 not applicable.

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no PSD regulated pollutant is emitted at a rate of two hundred fifty (250) tons per year or more and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.2, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Federal Rule Applicability

Compliance Assurance Monitoring (CAM):

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

New Source Performance Standards (NSPS)

- (b) The requirements of the New Source Performance Standard for Surface Coating of Metal Furniture (40 CFR 60, Subpart EE) are not included in the permit, because the source does not coat metal furniture.

- (c) The requirements of the New Source Performance Standard for Automobile and Light Duty Truck Surface Coating Operations (40 CFR 60, Subpart MM) are not included in the permit, because the source does not coat automobiles or light duty trucks.
- (d) The requirements of the New Source Performance Standard for Industrial Surface Coating: Large Appliances (40 CFR 60, Subpart SS) are not included in the permit, because the source does not coat large appliances.
- (e) The requirements of the New Source Performance Standard for Metal Coil Surface Coating (40 CFR 60, Subpart TT) are not included in the permit, because the source does not coat metal coils.
- (f) The requirements of the New Source Performance Standard for the Beverage Can Surface Coating Industry (40 CFR 60, Subpart WW) are not included in the permit, because this source does not coat beverage cans.
- (g) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this source.

National Emission Standards for Hazardous Air Pollutants (NESHAPs)

- (h) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Automobiles and Light Duty Trucks (40 CFR 63, Subpart IIII)(326 IAC 20-85) are not included in the permit, because this source does not coat new automobiles or new light duty trucks and is not located in or part of a major source of HAPs.
- (i) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Metal Cans (40 CFR 63, Subpart KKKK)(326 IAC 20-86) are not included in the permit, because this source does not coat metal cans and is not located in or part of a major source of HAPs.
- (j) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63, Subpart MMMM)(326 IAC 20-80) are not included in the permit, because this source is not located in or part of a major source of HAPs.
- (k) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Large Appliances (40 CFR 63, Subpart NNNN)(326 IAC 20-63) are not included in the permit, because this source does not coat large appliances and is not located in or part of a major source of HAPs.
- (l) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products (40 CFR 63, Subpart PPPP)(326 IAC 20-81) are not included in the permit, because this source does not coat plastic parts or products and is not located in or part of a major source of HAPs.
- (m) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Metal Furniture (40 CFR 63, Subpart RRRR)(326 IAC 20-78) are not included in the permit, because this source does not coat metal furniture and is not located in or part of a major source of HAPs.
- (n) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Metal Coil (40 CFR 63, Subpart SSSS)(326 IAC 20-64) are not included in the permit, because this source does not coat metal coil and is not located in or part of a major source of HAPs.

- (o) The requirements of the National Emission Standards for Hazardous Air Pollutants for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources (40 CFR 63, Subpart HHHHHH) are not included in the permit, because the surface coating operations does not apply coatings that contain compounds of chromium, lead, manganese, nickel, or cadmium.
- (p) The requirements of the National Emission Standards for Hazardous Air Pollutants for Nine Metal Fabrication and Finishing Source Categories (40 CFR 63, Subpart XXXXXX) are included in the permit for the shot blasting operations, because this source is primarily engaged in fabricated structural metal manufacturing and is an area source of HAPs.

The shot blasting operations uses materials that contain greater than 0.1% by weight of chromium and nickel and greater than 1.0% by weight of manganese. The welding operations are not subject to the requirements, because they contain less than 0.1% by weight of chromium and nickel and less than 1.0% by weight of manganese.

The emission unit subject to this rule is as follows:

- (1) One (1) enclosed shot blasting operation, identified as SB, constructed in 1973, with a maximum capacity of 316,800 pounds of steel shot per hour and 16,000 pounds of steel per hour, using a baghouse for control, and exhausting outdoors.

The unit is subject to the following portions of 40 CFR 63, Subpart XXXXXX:

- (1) 40 CFR 63.11514(a)(4), (b)(1), (c) (Affected Source)
- (2) 40 CFR 63.11515(a) (Existing Source)
- (3) 40 CFR 63.11516(a)(2) (Dry Blasting in Vented Enclosure)
- (4) 40 CFR 63.11519(a), (b), (c)(1), (c)(4), (c)(13), (c)(15) (Notices, Records, and Reports)
- (5) 40 CFR 63.11521 (Who Implements)
- (6) 40 CFR 63.11522 (Definitions)
- (7) 40 CFR 63.11523 (General Provisions per Table 2)
- (8) Table 1 (Affected Source Categories)
- (9) Table 2 (General Provisions)

The provisions of 40 CFR 63, Subpart A – General Provisions, which are incorporated as 326 IAC 20-1-1, apply to this source, except when otherwise specified in 40 CFR 63, Subpart XXXXXX.

These are existing applicable requirements and no change has been made in this renewal.

- (q) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit renewal.

State Rule Applicability - Entire Source

- (a) 326 IAC 2-2 (Prevention of Significant Deterioration (PSD))
The existing surface coating operation (SC) and shot blasting operation (SB) still have uncontrolled potential to emit greater than 250 tons per year of PM, PM₁₀, and PM_{2.5}.

In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the source will continue to limit the PM emissions of the entire source to less than 250 tons per year.

Surface Coating Operation: PM

- (1) The input of coating solids to the surface coating operation (SC) shall not exceed 80.0 tons per twelve (12) consecutive month period with compliance determined at the end of the month.

- (2) The transfer efficiency of the surface coating operation (SC) shall not be less than 70%.

There are no changes made to these limits in this renewal.

Shot Blasting Operation: PM

- (3) PM emissions after control from the shot blasting operation (SB) shall not exceed 30.0 pounds per ton of steel processed by the shot blasting operation.
- (4) The amount of steel processed by the shot blasting operation shall not exceed 10,000 tons per twelve (12) consecutive month period with compliance determined at the end of the month.

These limits have been revised in this renewal by increasing the amount of steel processed and lowering the PM emission rate. Based on the results of the test conducted on September 11, 2018, the source can lower the emission rate and still be in compliance.

PM₁₀ and PM_{2.5}

The source is currently limited to less than 100 tons per year for PM₁₀ and PM_{2.5}. The same PM₁₀ and PM_{2.5} FESOP limits also render 326 IAC 2-2 (PSD) not applicable.

See 326 IAC 2-8 (FESOP) evaluation below for details.

(b) 326 IAC 2-8 (FESOP)

The existing surface coating operation (SC) and shot blasting operation (SB) still have uncontrolled potential to emit greater than one hundred (100) tons per year of PM₁₀, PM_{2.5}, and VOC, each, greater than twenty-five (25) tons per year of combined HAPs, and greater than ten (10) tons per year of a single HAP.

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the source will continue to limit the PM₁₀, PM_{2.5}, and VOC emissions of the entire source to less than one hundred (100) tons per year, each, combined HAPs emissions to less than twenty-five (25) tons per year, and single HAP emissions to less than ten (10) tons per year.

Surface Coating Operation: PM₁₀, PM_{2.5}

- (1) The input of coating solids to the surface coating operation (SC) shall not exceed 80.0 tons per twelve (12) consecutive month period with compliance determined at the end of the month.
- (2) The transfer efficiency of the surface coating operation (SC) shall not be less than 70%.

There are no changes made to these limits in this renewal.

Surface Coating Operation: VOC

- (3) The VOC input, including coatings, dilution solvents, and cleaning solvents, to the surface coating operation (SC) shall not exceed 75.0 tons per twelve (12) consecutive month period with compliance determined at the end of the month.

This limit has been revised in this renewal by decreasing the VOC input.

Surface Coating Operation: HAPs

- (4) The input of total HAPs to the surface coating operation (SC) shall not exceed 11.5 tons per twelve (12) consecutive month period with compliance determined at the end of the month.
- (5) The input of any single HAP to the surface coating operation (SC) shall not exceed 9.0 tons per twelve (12) consecutive month period with compliance determined at the end of the month.

These limits have been revised in this renewal by decreasing the total HAPs input and single HAP input.

Shot Blasting Operation: PM₁₀ and PM_{2.5}

- (6) PM₁₀ emissions after control from the shot blasting operation (SB) shall not exceed 10.0 pounds per ton of steel processed by the shot blasting operation.
- (7) PM_{2.5} emissions after control from the shot blasting operation (SB) shall not exceed 10.0 pounds per ton of steel processed by the shot blasting operation.
- (8) The amount of steel processed by the shot blasting operation shall not exceed 10,000 tons twelve (12) consecutive month period with compliance determined at the end of the month.

These limits have been revised in this renewal by increasing the amount of steel processed and lowering the PM₁₀ and PM_{2.5} emission rate. Based on the results of the test conducted on September 11, 2018, the source can lower the emission rate and still be in compliance.

Shot Blasting Operation: HAPs

- (9) Manganese (Mn) emissions after control from the shot blasting (SB) operation shall not exceed 0.8 pounds per ton of steel processed by the shot blasting operation.
- (10) Chromium (Cr) emissions after control from the shot blasting operation (SB) shall not exceed 0.8 pounds per ton of steel processed by the shot blasting operation.
- (11) Nickel (Ni) emissions after control from the shot blasting operation (SB) shall not exceed 0.8 pounds per ton of steel processed by the shot blasting operation.
- (12) The amount of steel processed by the shot blasting operation shall not exceed 10,000 tons twelve (12) consecutive month period with compliance determined at the end of the month.

These limits have been revised in this renewal by increasing the amount of steel processed.

- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The existing surface coating operation (SC) and shot blasting operation (SB) still have uncontrolled potential to emit greater than twenty-five (25) tons per year of combined HAPs and greater than ten (10) tons per year of a single HAP.

The FESOP limits for HAPs will render the requirements of 326 IAC 2-4.1 not applicable and the source will remain an area source of HAPs under Section 112 of the Clean Air Act.

See 326 IAC 2-8 (FESOP) evaluation above for details.

- (d) 326 IAC 2-6 (Emission Reporting)

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

- (e) 326 IAC 5-1 (Opacity Limitations)
This source is subject to the opacity limitations specified in 326 IAC 5-1-2(1), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations).
- (f) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4, 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.
- (g) 326 IAC 6.5 (PM Limitations Except Lake County)
This source is not subject to 326 IAC 6.5, because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo, or Wayne.

State Rule Applicability – Individual Facilities

Surface Coating Operation

- (a) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(a), the requirements of 326 IAC 6-3-2(d) are applicable to the surface coating operation (SC), since it has the potential to use more than five (5) gallons of coating per day.

Pursuant to 326 IAC 6-3-2, particulate from the surface coating operation shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

Since there is no particulate control that is technically feasible for the surface coating operation, the following work practice standards have been approved as an equivalent control device:

- (1) Conduct all surface coating operations within an enclosed building.
- (2) Close main doors, overhead doors and powered vents located within 100 feet of the spray equipment, and keep them closed during spray operations.
- (3) Contain and dispose dry-fall paint from drip boards, disposable media and floor surfaces to prevent re-entrainment to exhaust air.

These are existing requirements and no change is being made in this renewal.

- (b) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
Pursuant to 326 IAC 8-1-6(3)(A), the surface coating operation (SC) is not subject to the requirements of 326 IAC 8-1-6, because it is subject to other provisions of 326 IAC 8.
- (c) 326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations)
The surface coating operation (SC) is subject to the requirements of 326 IAC 8-2-9, because the facility was constructed after November 1, 1980, has the potential to emit greater than 25 tons per year, is not located in Lake or Porter County, and coats metal parts or products under SIC code major group #34.

Pursuant to 8-2-9(c), the VOC content of the coating delivered to the applicator at the surface coating operation shall be limited to 3.5 pounds of VOCs per gallon of coating, excluding water,

delivered to a coating applicator in a coating application system that is air dried or forced warm air dried at temperatures up to 90°C (194°F).

The source complies with this VOC limit by using compliant coatings.

Pursuant to 326 IAC 8-2-9(f), work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials.

Shot Blasting Operation

- (d) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(a), the requirements of 326 IAC 6-3-2 are applicable to the shot blasting operation (SB), since it is a manufacturing process not exempted from this rule under 326 IAC 6-3-1(b) and is not subject to a particulate matter limitation that is as stringent as or more stringent than the particulate limitation established in this rule as specified in 326 IAC 6-3-1(c).

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the shot blasting operation shall not exceed 56.54 pounds per hour when operating at a process weight rate of 166.40 tons per hour. The pound per hour limitation was calculated with the following equation:

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

$$E = 55.0 P^{0.11} - 40$$

Where:

E = rate of emission in pounds per hour
P = process weight rate in tons per hour
= (8 tons of steel per hour + 158.4 tons of steel shot per hour = 166.4 tons per hour)

The baghouse shall be in operation at all times this facility is in operation, in order to comply with this limit.

Welding Operation

- (e) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(9), welding operations that consume less than 625 pounds of rod or wire per day are exempt from 326 IAC 6-3-2. The welding operation consumes less than 625 pounds of rod or wire per day; therefore, the welding operation is not subject to the requirements of 326 IAC 6-3-2.

Plasma Cutting Operation

- (f) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(14), manufacturing processes with potential emissions less than 0.551 pound per hour are exempt from the requirements of 326 IAC 6-3-2. Therefore, the plasma cutting operation is not subject to the requirements of 326 IAC 6-3-2.

Natural Gas Space Heaters

- (g) 326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)
Pursuant to 326 IAC 6-2-1(d), indirect heating facilities that received permit to construct after September 21, 1983 are subject to the requirements of 326 IAC 6-2-4. Therefore, the natural gas-fired space heaters are subject to the requirements of 326 IAC 6-2-4.

The particulate matter emissions (Pt) shall be limited by the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu).

Q = Total source maximum operating capacity rating in MMBtu/hr heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation.

Indirect Heating Units Which Began Operation After September 21, 1983						
Facility	Operating Capacity (MMBtu/hr)	Construction Date*	Q (MMBtu/hr)	Calculated Pt (lb/MMBtu)	Particulate Limitation, (Pt) (lb/MMBtu)	PM PTE based on AP-42 (lb/MMBtu)
One (1) space heater	0.10	1983	10.93	0.59	0.59	0.0019
Two (2) space heaters	0.125 each			0.59	0.59	0.0019
Two (2) space heaters	0.02 each			0.59	0.59	0.0019
One (1) space heater	0.04			0.59	0.59	0.0019
Twenty-eight (28) space heaters	0.25 each			0.59	0.59	0.0019
One (1) space heater	3.5			0.59	0.59	0.0019
Where: Q = Includes the capacity (MMBtu/hr) of the new unit(s) and the capacities for those unit(s) which were in operation at the source at the time the new unit(s) was constructed.						
*The space heaters were constructed after September 21, 1983, but the exact date is unknown. They are all assumed to have been constructed in 1983.						

The space heaters will comply with the particulate limitation without the use of a control device.

- (h) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(1), combustion for indirect heating is exempt from 326 IAC 6-3-2. Therefore, the space heaters are not subject to the requirements of 326 IAC 6-3-2, because they are all indirect-fired units.
- (i) 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

Pursuant to 326 IAC 7-1.1-1, the natural gas-fire space heaters are not subject to the requirements of 326 IAC 7-1.1, because the SO₂ PTE of these units is less than 25 tons per year or 10 pounds per hour.

- (j) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
Pursuant to 326 IAC 8-1-6(1), the natural gas-fire space heaters are not subject to the requirements of 326 IAC 8-1-6, because the unlimited VOC potential emissions of these units is less than 25 tons per year.

Compliance Determination and Monitoring Requirements

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

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

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

Summary of Testing Requirements				
Emission Unit	Control Device	Date of Last Valid Demonstration	Pollutant	Frequency of Testing
Shot blasting operation	Baghouse	September 11, 2018	PM, PM ₁₀ , and PM _{2.5}	Every 5 years

This is an existing testing requirement and no change is being made in this renewal. No separate testing is required for the metal HAPs.

- (2) Surface Coating Operation:

There are no testing requirements included for the surface coating operation. The permit does require recordkeeping and reporting to demonstrate compliance with the VOC emission limits pursuant to 326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations) and 326 IAC 2-8 (FESOP). The permit also requires work practices, record keeping, and reporting to demonstrate compliance with the particulate emission limits pursuant to 326 IAC 2-2 (PSD), 326 IAC 2-8 (FESOP), and 326 IAC 6-3-2 (Particulate Emissions Limitations for Manufacturing Processes).

These are existing compliance determination requirements and no change has been made in this renewal.

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

Emission Unit	Control	Parameter	Frequency
Surface coating operation	N/A	Overspray Inspections	Monthly
Shot blasting operation	Baghouse	Visible Emissions	Daily
		Pressure Drop	Daily

These monitoring conditions are necessary because the surface coating operation must operate properly to assure compliance with 326 IAC 326 IAC 2-2 (PSD), 326 IAC 2-8 (FESOP), and 326 IAC 6-3-2 (Particulate Emissions Limitations for Manufacturing Processes).

These monitoring conditions are necessary because the baghouse for the shot blasting operation must operate properly to assure compliance with 326 IAC 2-2 (PSD), 326 IAC 2-8 (FESOP), and 326 IAC 6-3-2 (Particulate Emissions Limitations for Manufacturing Processes).

These are existing monitoring requirements and no change has been made in this renewal.

Conclusion and Recommendation

The staff recommends to the Commissioner that the FESOP Renewal be approved. 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 September 19, 2017. Additional information was received on October 17, 2018.

The operation of this stationary structural steel manufacturing plant shall be subject to the conditions of the attached FESOP Renewal No. F035-39084-00092.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Sarah Green 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) 232-8423 or 1-800-451-6027, and ask for Sarah Green or (317) 232-8423.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <http://www.in.gov/idem/airquality/2356.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A: Emissions Calculations
Emissions Summary**

Company Name: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
Permit Number: F035-39084-00092
Reviewer: Sarah Green

Unlimited Potential to Emit (tons/year)								
Process	PM	PM ₁₀	PM _{2.5} *	SO ₂	NO _x	VOC	CO	Total HAPs
Surface Coating	207.3	207.3	207.3	-	-	192.1	-	149.3
Shot Blasting	5,550	4,773	4,773	-	-	-	-	94.4
Welding	0.36	0.36	0.36	-	-	-	-	0.04
Plasma Cutting	0.17	0.17	0.17	-	-	-	-	-
Natural Gas Combustion	0.09	0.36	0.36	0.03	4.69	0.26	3.94	0.09
Total PTE:	5,758	4,982	4,982	0.03	4.69	192.3	3.94	243.8

Limited Potential to Emit (tons/year)								
Process	PM	PM ₁₀	PM _{2.5} *	SO ₂	NO _x	VOC	CO	Total HAPs
Surface Coating ^{1,2,3,4}	24.0	24.0	24.0	-	-	75.0	-	11.5
Shot Blasting ^{1,2,4}	150.0	50.0	50.0	-	-	-	-	12.00
Welding	0.36	0.36	0.36	-	-	-	-	0.04
Plasma Cutting	0.17	0.17	0.17	-	-	-	-	-
Natural Gas Combustion	0.09	0.36	0.36	0.03	4.69	0.26	3.94	0.09
Total PTE After Issuance:	174.6	74.89	74.89	0.03	4.69	75.26	3.94	23.63

*PM_{2.5} listed is direct PM_{2.5}

The shaded cells indicate where limits are included.

See page 2 of Appendix A for detailed HAPs summary.

Notes:

¹ PM emissions are limited to render the requirements of 326 IAC 2-2 not applicable.

² PM₁₀ and PM_{2.5} emissions are limited to render the requirements of 326 IAC 2-2 and 326 IAC 2-7 not applicable.

³ VOC emissions are limited to render the requirements of 326 IAC 2-7 not applicable.

⁴ Total HAPs emissions are limited to render the requirements of 326 IAC 2-7 not applicable.

**Appendix A: Emissions Calculations
Hazardous Air Pollutants Summary**

Company Name: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
Permit Number: F035-39084-00092
Reviewer: Sarah Green

Unlimited Potential to Emit of HAPs (tons/year)						
HAP	Surface Coating	Shot Blasting	Welding	Plasma Cutting	Natural Gas Combustion	Total
Xylene	90.12	-	-	-	-	90.12
Manganese	-	66.60	0.02	-	1.8E-05	66.63
Toluene	35.05	-	-	-	1.6E-04	35.05
Ethylbenzene	14.14	-	-	-	-	14.14
Nickel	-	13.88	0.01	-	9.9E-05	13.89
Chromium	-	13.88	6.9E-05	-	6.6E-05	13.88
Methyl Isobutyl Ketone	9.45	-	-	-	-	9.45
Cumene	0.39	-	-	-	-	0.39
Naphthalene	0.15	-	-	-	-	0.15
Hexane	-	-	-	-	0.08	0.08
Methanol	0.04	-	-	-	-	0.04
Formaldehyde	-	-	-	-	3.5E-03	3.5E-03
Benzene	-	-	-	-	9.9E-05	9.9E-05
Cobalt	-	-	6.9E-05	-	-	6.9E-05
Dichlorobenzene	-	-	-	-	5.6E-05	5.6E-05
Cadmium	-	-	-	-	5.2E-05	5.2E-05
Lead	-	-	-	-	2.3E-05	2.3E-05

Limited Potential to Emit of HAPs (tons/year)						
HAP	Surface Coating	Shot Blasting	Welding	Plasma Cutting	Natural Gas Combustion	Total
Xylene ¹	9.00	-	-	-	-	9.00
Manganese ²	-	4.00	0.02	-	1.8E-05	4.02
Toluene ¹	9.00	-	-	-	1.6E-04	9.00
Ethylbenzene ¹	9.00	-	-	-	-	9.00
Chromium ²	-	4.00	0.00	-	6.6E-05	4.00
Methyl Isobutyl Ketone ¹	9.00	-	-	-	-	9.00
Nickel ¹	-	4.00	0.01	-	9.9E-05	4.01
Cumene	0.39	-	-	-	-	0.39
Naphthalene	0.15	-	-	-	-	0.15
Hexane	-	-	-	-	0.08	0.08
Methanol	0.04	-	-	-	-	0.04
Formaldehyde	-	-	-	-	3.5E-03	3.5E-03
Benzene	-	-	-	-	9.9E-05	9.9E-05
Cobalt	-	-	6.9E-05	-	-	6.9E-05
Dichlorobenzene	-	-	-	-	5.6E-05	5.6E-05
Cadmium	-	-	-	-	5.2E-05	5.2E-05
Lead	-	-	-	-	2.3E-05	2.3E-05

The shaded cells indicate where limits are included.

Notes:

¹ Any single HAP emissions are limited to 9 tons per year to render the requirements of 326 IAC 2-7 not applicable.

² Manganese, Chromium, and Nickel emissions are each limited 0.8 pounds per ton of steel processed to render the requirements of 326 IAC 2-7 not applicable.

**Appendix A: Emissions Calculations
Surface Coating (SC) - VOC and PM**

Company Name: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
Permit Number: F035-39084-00092
Reviewer: Sarah Green

Material	Volume in as-applied mix (gal)	Actual usage in 2012 (gal/yr)	Actual steel throughput in 2012 (ton/yr)	Density (lb/gal)	Weight % Volatile (Water & Organics)	Weight % Water	Weight % VOC	Volume % Water	Volume % Solids	Usage rate (gal/ton steel)	Max throughput (ton steel/hr)	VOC content (lb/gal coating)	VOC content (lb/gal coating less water)	VOC content (lb/gal coating solids)	PTE of VOC (lb/hr)	PTE of VOC (lb/day)	PTE of VOC (ton/yr)	PTE of PM (ton/yr)	Transfer efficiency
Steel Spec Fast Dry	N/A	1477	1500	13.88	18.9%	0%	18.9%	0.0%	63.4%	0.9847	8.0	2.62	2.62	4.14	20.66	495.95	90.51	116.52	70%
Multi-Gard GP 5 ¹	N/A	128	1500	12.09	28.2%	0%	28.2%	0.0%	49.0%	0.0853	8.0	3.41	3.41	6.96	2.33	55.87	10.20	7.79	70%
Devguard 4160 ¹	N/A	20	1500	11.80	29.6%	0%	29.6%	0.0%	49.0%	0.0133	8.0	3.49	3.49	7.12	0.37	8.93	1.63	1.16	70%
Steel-Spec Primer ¹	N/A	25	1500	12.36	22.4%	0%	22.4%	0.0%	57.0%	0.0167	8.0	2.77	2.77	4.86	0.37	8.86	1.62	1.68	70%
Carbozinc 859																			
Carbozinc 859 A ²	1.77	5.31	1500	10.84	50.7%	0%	50.7%	0.0%	66.0%	0.0035	8.0	5.50	5.50	8.33	0.16	3.74	0.68	0.20	70%
Carbozinc 859 B	0.2	0.6	1500	7.34	100.0%	0%	100.0%	0.0%	0.0%	0.0004	8.0	7.34	7.34	N/A	0.02	0.56	0.10	0.00	70%
Zinc Filler ^{3,4}	2.03	6.09	1500	35.96	0.0%	0%	0.0%	0.0%	100.0%	0.0041	8.0	0.00	0.00	0.00	0.00	0.00	0.00	1.53	70%
As-Applied	4.0	12	1500	23.41	12.0%	0%	12.0%	0.0%	80.0%	0.0080	8.0	2.80	2.80	3.50	0.18	4.30	0.78	1.73	70%
As-Applied (with thinner)*	4.4			21.93	14.5%	0%	14.5%	0.0%					3.19						
Macropoxy 646																			
Macropoxy A	1.0	275	1500	12.19	17.4%	0%	17.4%	0.0%	70.2%	0.1833	8.0	2.12	2.12	3.02	3.11	74.66	13.63	19.40	70%
Macropoxy B	1.0	275	1500	13.51	12.2%	0%	12.2%	0.0%	75.6%	0.1833	8.0	1.65	1.65	2.18	2.42	58.02	10.59	22.86	70%
As-applied	2.0	550	1500	12.85	14.7%	0%	14.7%	0.0%	72.9%	0.3667	8.0	1.88	1.88	2.59	5.53	132.68	24.21	42.27	70%
Hi-Solids Poly																			
Hi-Solids Poly S	4.0	176	1500	11.73	19.0%	0%	19.0%	0.0%	67.0%	0.1173	8.0	2.23	2.23	3.33	2.09	50.21	9.16	11.72	70%
Hi-Solids Poly T	1.0	44	1500	8.44	29.4%	0%	29.4%	0.0%	63.3%	0.0293	8.0	2.48	2.48	3.92	0.58	13.98	2.55	1.84	70%
As-applied	5.0	220	1500	11.07	20.6%	0%	20.6%	0.0%	66.3%	0.1467	8.0	2.28	2.28	3.44	2.67	64.18	11.71	13.56	70%
Zinc Clad II Plus																			
Base (A)	2.21	77.3	1500	10.70	34.5%	0%	34.5%	0.0%	49.8%	0.0515	8.0	3.69	3.69	7.41	1.52	36.52	6.66	3.80	70%
Accelerator (B)	0.2	6.99	1500	7.75	80.0%	0%	80.0%	0.0%	6.4%	0.0047	8.0	6.20	6.20	96.88	0.23	5.55	1.01	0.08	70%
Zinc Dust (F) ³	1.25	43.7	1500	58.60	0.0%	0%	0.0%	0.0%	100.0%	0.0291	8.0	0.00	0.00	0.00	0.00	0.00	0.00	17.95	70%
As-applied	3.66	128	1500	26.90	9.5%	0%	9.5%	0.0%	64.6%	0.0853	8.0	2.57	2.57	3.98	1.75	42.07	7.68	21.82	70%
Zinc Clad 200																			
Part A	2.5	3.9	1500	9.01	45.6%	0%	45.6%	0.0%	39.7%	0.0026	8.0	4.11	4.11	10.35	0.09	2.05	0.37	0.13	70%
Part B	1.0	1.56	1500	7.37	54.6%	0%	54.6%	0.0%	41.4%	0.0010	8.0	4.02	4.02	9.72	0.03	0.80	0.15	0.04	70%
Zinc dust (Part F) ³	1.0	1.6	1500	58.60	0.0%	0%	0.0%	0.0%	100.0%	0.0010	8.0	0.00	0.00	0.00	0.00	0.00	0.00	0.64	70%
As-applied	4.5	7	1500	19.67	16.2%	0%	16.2%	0.0%	53.5%	0.0047	8.0	3.18	3.18	5.94	0.12	2.85	0.52	0.81	70%
Dilution & Clean-up*	N/A	261	1500	7.09	100.0%	0%	100.0%	0.0%	0.0%	0.1740	8.0	7.09	7.09	N/A	9.87	236.83	43.22	0.00	70%
Totals:															43.86	1052.53	192.09	207.34	
Limited PTE** (ton/yr):															75.00	24.00			

Notes:

PM=PM₁₀=PM_{2.5}

Actual usage was the amount of each coating used in 2012, as reported by the source

The source coated 1500 tons of steel in 2012, as reported by the source

Maximum throughput (8 tons of steel/hr) is the same for surface coating (SC) and shot blasting (SB) operations because all coated piece are shot blasted, as reported by the source

All coatings are compliant with 326 IAC 8-2-9, which limits VOC to 3.5 lb/gal coating less water

*Dilution and clean-up solvent is used as a thinner for Carbozinc 859 (up to 10% by volume) and for clean-up.

**The source shall limit coating solids input to 80 ton/yr with 70% transfer efficiency and VOC input to 99 ton/yr

Methodology:

Density (lb/gal) = Specific gravity * Density of water (8.34 lb/gal) or Provided in MSDS

Weight % Volatile (Water & Organics) = Weight % VOC + Weight % Water

Volume % Water = Weight % Water * Density (lb/gal) / Density of water (8.34 lb/gal)

Usage rate (gal/ton steel) = Actual usage in 2012 (gal/yr) / Actual steel throughput in 2012 (ton steel/yr)

VOC content (lb/gal coating) = Density (lb/gal) * Weight % VOC

VOC content (lb/gal coating less coating) = Density (lb/gal) * Weight % VOC / (1-Volume % Water)

VOC content (lb/gal coating solids) = Density (lb/gal) * Weight % VOC / Volume % Solids

PTE of VOC (lb/hr) = VOC content (lb/gal coating) * Usage rate (gal/ton steel) * Maximum throughput (ton steel/hr)

PTE of VOC (lb/day) = VOC content (lb/gal coating) * Usage rate (gal/ton steel) * Maximum throughput (ton steel/hr) * 24 hrs/day

PTE of VOC (ton/yr) = VOC content (lb/gal coating) * Usage rate (gal/ton steel) * Maximum throughput (ton steel/hr) * 8760 hrs/yr * 1 ton/2000 lbs

PTE of PM (ton/yr) = Usage rate (gal/ton steel) * Maximum throughput (ton steel/hr) * Density (lb/gal) * (1-Weight % volatile) * (1-Transfer efficiency) * 8760 hrs/yr * 1 ton/2000 lbs

Limited PTE of PM (ton/yr) = 80 tons of coating solids/yr * (1 - Transfer efficiency)

Alternative methodology:

¹ VOC (lb/gal coating) provided in MSDS: Weight % VOC = VOC content (lb/gal coating) / Density (lb/gal)

² Weight % VOC = Σ Weight % of volatile compounds listed on MSDS

³ Amount in as-applied mix was provided in weight: gal in mix = Total volume of as-applied mix (gal) - Σ Volume of other components (gal)

⁴ Density (lb/gal) = lbs of zinc filler in mix (73 lb) / gal of zinc filler in mix (gal)

As-applied methodology:

As-applied density (lb/gal) = Σ(Density (lb/gal) * Volume in as-applied mix (gal)) / Total volume of as-applied mix (gal)

As-applied weight % VOC = Σ(Weight % VOC * Density (lb/gal) * Volume in as-applied mix (gal)) / (Total volume of as-applied mix (gal) * Density (lb/gal))

As-applied volume % solids = Σ(Volume % VOC * Volume in as-applied mix (gal)) / Total volume of as-applied mix (gal)

**Appendix A: Emissions Calculations
Surface Coating (SC) - HAPs**

**Company Name: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
Permit Number: F035-39084-00092
Reviewer: Sarah Green**

Material	Density (lb/gal)	Usage rate (gal/ton steel)	Max throughput (ton steel/hr)	Ethylbenzene		Xylenes		Toluene		Cumene		Methyl Isobutyl Ketone		Naphthalene		Methanol		
				Weight %	PTE (ton/yr)	Weight %	PTE (ton/yr)	Weight %	PTE (ton/yr)	Weight %	PTE (ton/yr)	Weight %	PTE (ton/yr)	Weight %	PTE (ton/yr)	Weight %	PTE (ton/yr)	
Steel Spec Fast Dry	13.88	0.98	8.0	2.0%	9.578	14.0%	67.046	-	-	-	-	-	-	-	-	-	-	-
Multi-Gard GP 5	12.09	0.09	8.0	5.0%	1.808	25.1%	9.076	0.2%	0.072	1.1%	0.380	-	-	-	-	-	-	-
Devguard 4160	11.80	0.01	8.0	1.0%	0.055	5.2%	0.284	-	-	0.1%	0.006	-	-	-	-	-	-	-
Steel-Spec Primer	12.36	0.02	8.0	-	-	0.4%	0.027	0.2%	0.017	-	-	-	-	-	-	-	-	-
Carbozinc 859																		
Carbozinc 859 A	10.84	0.004	8.0	0.7%	0.009	5.0%	0.067	25.0%	0.336	-	-	-	-	-	-	-	-	-
Carbozinc 859 B	7.34	0.0004	8.0	0.7%	0.001	5.0%	0.005	50.0%	0.051	-	-	-	-	-	-	-	-	-
Zinc Filler	35.96	0.004	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Macropoxy 646																		
Macropoxy A	12.19	0.18	8.0	3.0%	2.349	15.0%	11.746	-	-	-	-	-	-	-	-	-	-	-
Macropoxy B	13.51	0.18	8.0	0.3%	0.260	2.0%	1.736	-	-	-	-	10.0%	8.679	-	-	-	-	-
Hi-Solids Poly																		
Hi-Solids Poly S	11.73	0.12	8.0	0.1%	0.048	-	-	-	-	-	-	1.0%	0.482	-	-	-	-	-
Hi-Solids Poly T	8.44	0.03	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc Clad II Plus																		
Base (A)	10.70	0.05	8.0	-	-	-	-	-	-	-	-	-	-	0.8%	0.155	-	-	-
Accelerator (B)	7.75	0.005	8.0	-	-	-	-	-	-	-	-	4.0%	0.051	-	-	3%	0.038	-
Zinc Dust (F)	58.60	0.03	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc Clad 200																		
Part A	9.01	0.003	8.0	2.0%	0.016	10.0%	0.082	-	-	-	-	19.0%	0.156	-	-	-	-	-
Part B	7.37	0.001	8.0	4.0%	0.011	20.0%	0.054	-	-	-	-	31.0%	0.083	-	-	-	-	-
Zinc dust (Part F)	58.60	0.001	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dilution & Clean Up	7.09	0.17	8.0	-	-	-	-	80.0%	34.577	-	-	-	-	-	-	-	-	-
Totals:				14.136		90.123		35.054		0.385		9.451		0.155				0.038

Total HAPs: **149.34**Limited Total HAPs: **11.50**Limited Single HAPs: **9.00****Notes:**

Coatings contain solvent blends according to table at the right

¹ Contains 1% xylenes by weight² Contains 1% xylenes by weight³ Contains 1% xylenes and 1% cumene by weight⁴ Contains 10% naphthalene by weight⁵ Contains 3% toluene and 3% xylenes by weight

**The source shall limit total HAPS input to 11.5 tons/yr and any single HAP to 9.0 tons/yr

Weight % solvent blends in coatings

Solvent blend	Mineral spirits (Stoddard solution) ¹	Mineral spirits ²	Aromatic hydrocarbon (naphtha) ³	Medium aromatic hydrocarbons ⁴	V.M.&P. Naptha ⁵
CAS number	8052-41-3	64742-88-7	64742-95-6	64742-94-5	64742-89-8
Multi-Gard GP 5	5%	-	5%	-	-
Devguard 4160	5%	-	10%	-	-
Steel-Spec Primer	-	14%	-	-	8%
Zinc Clad II Part A	-	-	-	3%	-

Methodology:

Unlimited PTE of HAP (ton/yr) = Density (lb/gal) * Usage rate (gal/ton steel) * Max throughput (ton steel/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

**Appendix A: Emission Calculations
Shot Blasting (SB)**

Company Name: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
Permit Number: F035-39084-00092
Reviewer: Sarah Green

Emission Factors for Abrasives

Abrasive	lb PM/lb abrasive	lb PM ₁₀ /lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	0.70

HAPs:

Weight % in shot		
Mn	Cr	Ni
1.20%	0.25%	0.25%

Unlimited PTE

Abrasive type	Fraction of time of wet blasting	Flow rate (lb shot/min)	Max usage (lb shot/hr)	Emission factors	
				PM (lb/lb abrasive)	PM ₁₀ & PM _{2.5} (lb/lb PM)
Steel Shot	0%	5,280	316,800	0.004	0.86

	HAPS					
	PM	PM ₁₀ & PM _{2.5}	Mn	Cr	Ni	Total HAPs
Uncontrolled PTE (lb/hr)	1,267	1,090	15.2	3.2	3.2	21.5
Uncontrolled PTE (lb/day)	30,413	26,155	365.0	76.0	76.0	517.0
Uncontrolled PTE (ton/yr)	5,550	4,773	66.6	13.9	13.9	94.4

Notes:

PM₁₀ assumed to be equal to PM_{2.5}

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

Weight % HAPs in shot was provided in MSDS and HAPs emissions are calculated as a percent of PM emissions

Methodology:

Max usage (lb shot/hr) = Flow rate (lb shot/min) * 60 min/hr

PTE of PM (lb/hr) = Max usage (lb shot/hr) * PM emission factor (lb/lb abrasive) * (1-Fraction of time of wet blasting/200)

PTE of PM₁₀ (lb/hr) = PTE of PM (lb/hr) * PM₁₀ emission factor (lb/lb PM)

PTE (lb/day) = PTE (lb/hr) * 24 hrs/day

PTE (ton/yr) = PTE (lb/hr) * 8760 hrs/yr * 1 ton/2000 lbs

PTE HAPs (ton/yr) = PTE of PM (ton/yr) * Weight % HAPs

FESOP/PSD Limits

	Unlimited (ton/hr)	Limited (ton/hr)
Steel Throughput	8	10,000

	HAPS					
	PM	PM ₁₀ & PM _{2.5}	Mn	Cr	Ni	Total HAPs
Limited emission rate (lb/ton steel)	30	10	0.8	0.8	0.8	2.4
Limited PTE (lb/hr)	240	80	6.4	6.4	6.4	19.2
Control efficiency	81.1%	92.7%	57.9%	N/A	N/A	N/A
Limited PTE (ton/yr)	150.0	50.0	4.0	4.0	4.0	12.0

Methodology:

Limited PTE (lb/hr) = Limited emission rate (lb/ton steel) * Unlimited steel throughput (ton/hr)

Control efficiency = 1 - (Limited PTE (lb/hr) / Unlimited PTE (lb/hr))

Limited PTE (ton/yr) = Limited emission rate (lb/ton steel) * Limited steel throughput (ton/yr)

IAC 6-3-2 Limit

Process weight rate (ton/hr)	Allowable emissions (lb/hr)	Control Efficiency
166.40	56.54	95.5%

Methodology:

Process weight rate = 8 tons steel/hr + 158.4 tons shot/hr, as provided by the source

Allowable emission (lb/hr) = 55.0 * Process weight rate (ton/hr)^{0.11} - 40, pursuant to 326 IAC 6-3-2(e)

Control efficiency = 1 - (Allow emissions (lb/hr) / Unlimited PTE (lb/hr))

**Appendix A: Emissions Calculations
Natural Gas Combustion**

Company Name: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
Permit Number: F035-39084-00092
Reviewer: Sarah Green

Emission Unit	Number of Units	Heat Input Capacity Each (MMBtu/hr/unit)	Total Potential Throughput (MMCF/yr)
Space heater	1	0.100	0.9
Space heater	2	0.125	2.1
Space heater	2	0.020	0.3
Space heater	1	0.040	0.3
Space heater	28	0.250	60.1
Space heater	1	3.500	30.1
Totals:		10.93	93.9

	Pollutant						
	PM*	PM ₁₀ *	Direct PM _{2.5} *	SO ₂	NO _x	VOC	CO
Emission Factor (lb/MMCF)	1.9	7.6	7.6	0.6	100.0	5.5	84.0
Potential Emission (tons/yr)	0.09	0.36	0.36	0.03	4.69	0.26	3.94

*PM emission factor is filterable PM only. PM₁₀ emission factor is filterable and condensable PM₁₀ combined. PM_{2.5} emission factor is filterable and condensable PM_{2.5} combined.

	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor (lb/MMCF)	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission (tons/yr)	9.86E-05	5.63E-05	3.52E-03	0.08	1.60E-04

	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor (lb/MMCF)	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission (tons/yr)	2.35E-05	5.16E-05	6.57E-05	1.78E-05	9.86E-05
Total HAPs:					0.09

Notes:

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

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

Methodology:

Total Heat Input Capacity (MMBtu/hr) = \sum (Heat Input Capacity Each (MMBtu/hr/unit) * Number of Units)

Potential Throughput (MMCF/yr) = Heat Input Capacity Each (MMBtu/hr) * Number of Units * 8,760 hrs/yr * High Heat Value (1 MMCF/1,020 MMBtu)

Potential Emission (tons/yr) = Total Potential Throughput (MMCF/yr) * Emission Factor (lb/MMCF) * 1 ton/2000 lbs

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

**Company Name: Indiana Bridge, Inc.
Source Address: 1810 S. Macedonia Ave., Muncie, Indiana 47302
Permit Number: F035-39084-00092
Reviewer: Sarah Green**

Process	Actual electrode usage (2012) (lb/yr)	Hours of operation (hr/yr)	Max electrode usage (lb/hr)	Emission Factors (lb pollutant/lb electrode)					Emissions (lbs/hr)					HAPs (lbs/hr)	
				PM	Mn	Ni	Co	Cr	PM	Mn	Ni	Co	Cr		
Welding															
Gas Metal Arc Welding (GMAW)	36,360	2304	15.8	0.0052	0.0003	0.0002	1.0E-06	1.0E-06	0.082	0.005	0.003	0.00002	0.00002	0.008	
PTE (tons/yr):									0.359	0.024	0.013	0.0001	0.0001	0.04	

Process	Number of Stations	Max. Metal Thickness Cut (in.)	Max. Metal Cutting Rate (in./min)	Emission Factors (lb pollutant/1,000 inches cut, 1" thick)					Emissions (lbs/hr)					HAPs (lbs/hr)	
				PM	Mn	Ni	Co	Cr	PM	Mn	Ni	Co	Cr		
Flame Cutting															
Plasma: Python X	1	1.32	65	0.0039	-	-	-	-	0.020	-	-	-	-	-	-
Plasma: FPB	1	1.25	65	0.0039	-	-	-	-	0.019	-	-	-	-	-	-
PTE (lbs/hr):									0.039	-	-	-	-	-	
PTE (tons/yr):									0.171	-	-	-	-	-	

Notes:

Actual electrode usage was the amount of electrode used in 2012, as reported by the source

Hours of operation in 2012 was 57,606 man hours / 25 employees, as reported by the source

Electrode is E70C

Welding emission factors from AP-42 Tables 12.19-1 and 12.19-2

Emission Factor for plasma cutting from American Welding Society (AWS). Trials reported for wet cutting of 8 mm thick mild steel with 3.5 m/min cutting speed (at 0.2 g/min emitted). Therefore, the emission factor for plasma cutting is for 8 mm thick rather than 1 inch, and the maximum metal thickness is not used in calculating the emissions. Using AWS average values: $(0.25 \text{ g/min}) / (3.6 \text{ m/min}) \times (0.0022 \text{ lb/g}) / (39.37 \text{ in./m}) \times (1,000 \text{ in.}) = 0.0039 \text{ lb/1,000 in. cut, 8 mm thick}$

Assume PM = PM₁₀ = PM_{2.5}

Methodology:

Max electrode usage (lb/hr) = Actual electrode usage / Actual operation hours (hr/yr)

Welding Emissions (lbs/hr) = Max electrode usage (lb/hr) * Emission factor (lb pollutant/lb electrode)

Plasma cutting emissions (lbs/hr) = No. of stations * Max. cutting rate (in./min.) * (60 min./hr.) * Emission Factor (lb pollutant/1,000 in. cut)

PTE (tons/yr) = Emissions (lbs/hr) * 8760 hr/yr * 1 ton/2000 hr



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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

Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

November 19, 2018

Tim Moles
Indiana Bridge, Incorporated
1810 South Macedonia Avenue
Muncie, Indiana 47302

Re: Public Notice
Indiana Bridge, Incorporated
Permit Level: FESOP Renewal
Permit Number: 035-39084-00092

Dear Mr. Moles:

Enclosed is a copy of your draft FESOP Renewal, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has prepared two versions of the Public Notice Document. The abbreviated version will be published in the newspaper, and the more detailed version will be made available on the IDEM's website and provided to interested parties. Both versions are included for your reference. The OAQ has requested that the *Muncie Star Press* in Muncie, Indiana publish the abbreviated version of the public notice no later than November 20, 2018. You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper.

OAQ has submitted the draft permit package to the Muncie-Center Township Public Library, 2005 South High Street in Muncie, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Sarah Green, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 2-8423 or dial (317) 232-8423.

Sincerely,

John F. Jackson

John F. Jackson
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover Letter 1/9/2017



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Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

November 16, 2018

Muncie Star Press
P.O. Box 2408
Muncie, Indiana 47307

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Indiana Bridge, Incorporated, Delaware County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than November 20, 2018.

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

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call John Jackson at 800-451-6027 and ask for extension 3-1449 or dial 317-233-1449.

Sincerely,

John F. Jackson

John F. Jackson
Permit Branch
Office of Air Quality

Permit Level: FESOP Renewal
Permit Number: 035-39084-00092

Enclosure

PN Newspaper Letter 8/22/2018



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

November 19, 2018

To: Muncie-Center Township Public Library

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

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

Applicant Name: Indiana Bridge, Incorporated
Permit Number: 035-39084-00092

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

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

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

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

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

Enclosures
PN Library 1/9/2017



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Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

Notice of Public Comment

November 19, 2018
Indiana Bridge, Incorporated
035-39084-00092

Dear Concerned Citizen(s):

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


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

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

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

Enclosure
PN AAA Cover Letter 1/9/2017


Mail Code 61-53

IDEM Staff	JJACKSON 11/19/2018 Indiana Bridge Inc 035-39084-00092 (draft)		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Tim Moles Indiana Bridge Inc 1810 S Macedonia Ave Muncie IN 47302 (Source CAATS)										
2		Jeffery Kishpaugh Manager Indiana Bridge Inc 1810 S Macedonia Ave Muncie IN 47302 (RO CAATS)										
3		Muncie City Council and Mayors Office 300 N. High St Muncie IN 47305 (Local Official)										
4		Delaware County Health Department 200 W Main St, County Bldg Room 207-309 Muncie IN 47305-2874 (Health Department)										
5		Delaware County Commissioners 100 West Main Street Muncie IN 47305 (Local Official)										
6		Muncie Public Library (Maring-Hunt Branch) 2005 South High Street Muncie IN 47302 (Library)										
7		Resident 1610 S Macedonia Ave Muncie IN 47302 (Affected Party)										
8		Resident 1700 E Memorial Drive Muncie IN 47302 (Affected Party)										
9		Resident 1720 E Memorial Drive Muncie IN 47302 (Affected Party)										
10		Resident 1800 E Memorial Drive Muncie IN 47302 (Affected Party)										
11		Resident 1900 E Memorial Drive Muncie IN 47302 (Affected Party)										
12		Resident 1904 E Memorial Drive Muncie IN 47302 (Affected Party)										
13		Resident 1912 E Memorial Drive Muncie IN 47302 (Affected Party)										
14		Resident 2150 E Memorial Drive Muncie IN 47302 (Affected Party)										
15		Paul Dubenetzy Cornerstone Environmental 880 Lennox Court Zionsville IN 46077 (Consultant)										

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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Mail Code 61-53

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