



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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

Michael R. Pence
Governor

Carol S. Comer
Commissioner

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a Significant Source Modification to a Part 70 Operating Permit and the
Renewal of a Part 70 Operating Permit

for Industrial Steel Construction, Inc. in Lake County

Part 70 Operating Permit Renewal No. T089-36385-00161

Significant Source Modification No. 089-36435-00161

The Indiana Department of Environmental Management (IDEM) has received an application from Industrial Steel Construction, Inc., located at 86 North Bridge Street, Gary, Indiana, for a significant source modification and renewal of its Part 70 Operating Permit issued on July 7, 2011. If approved by IDEM's Office of Air Quality (OAQ), this proposed modification would allow Industrial Steel Construction, Inc. to make certain changes at its existing source. Industrial Steel Construction, Inc. has applied to construct one (1) metalizing booth, one (1) paint booth, and one (1) hand blasting operation.

The applicant intends to construct and operate new equipment that will emit air pollutants; therefore, the permit contains new or different permit conditions. In addition, 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). IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow the applicant to make this change.

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

Gary Public Library - Brunswick Branch
4030 West 5th Avenue
Gary, Indiana 46402

and

IDEM Northwest Regional Office
330 W. US Highway 30, Suites E & F
Valparaiso, IN 46385

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

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 T089-36385-00161 and SSM089-36435-00161 in all correspondence.

Comments should be sent to:

Donald McQuigg
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 4-4240
Or dial directly: (317) 234-4240
Fax: (317) 232-6749 attn: Donald McQuigg
E-mail: dmcquigg@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 Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

What will happen after IDEM makes a decision?

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

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



Nathan Bell, Section Chief
Permits Branch
Office of Air Quality



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Carol S. Comer
Commissioner

Part 70 Operating Permit Renewal OFFICE OF AIR QUALITY

**Industrial Steel Construction, Inc.
86 North Bridge Street
Gary, Indiana 46404**

(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. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. 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 2-7 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.

Operation Permit No. T089-36385-00161	
Issued by:	Issuance Date:
Nathan C. Bell, Section Chief Permits Branch Office of Air Quality	Expiration Date:

TABLE OF CONTENTS

SECTION A SOURCE SUMMARY 5

- A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]
- A.2 Emission Units and Pollution Control Equipment Summary
[326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]
- A.3 Specifically Regulated Insignificant Activities
[326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]
- A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

SECTION B GENERAL CONDITIONS 9

- B.1 Definitions [326 IAC 2-7-1]
- B.2 Permit Term
[326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]
- B.3 Term of Conditions [326 IAC 2-1.1-9.5]
- B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]
- B.5 Severability [326 IAC 2-7-5(5)]
- B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]
- B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]
- B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]
- B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]
- B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]
- B.11 Emergency Provisions [326 IAC 2-7-16]
- B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]
- B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]
- B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]
- B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]
- B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]
- B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]
- B.18 Permit Revision Under Economic Incentives and Other Programs
[326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]
- B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]
- B.20 Source Modification Requirement [326 IAC 2-7-10.5]
- B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]
- B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]
- B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]
- B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

SECTION C SOURCE OPERATION CONDITIONS..... 20

- Emission Limitations and Standards [326 IAC 2-7-5(1)] 20**
- C.1 Opacity [326 IAC 5-1]
- C.2 Open Burning [326 IAC 4-1] [IC 13-17-9]
- C.3 Incineration [326 IAC 4-2] [326 IAC 9-1-2]
- C.4 Fugitive Dust Emissions [326 IAC 6-4]
- C.5 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]
- Testing Requirements [326 IAC 2-7-6(1)]..... 21**
- C.6 Performance Testing [326 IAC 3-6]
- Compliance Requirements [326 IAC 2-1.1-11] 22**
- C.7 Compliance Requirements [326 IAC 2-1.1-11]
- Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]..... 22**
- C.8 Compliance Monitoring
[326 IAC 2-7-5(3)][326 IAC 2-7-6(1)][40 CFR 64][326 IAC 3-8]
- C.9 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]	23
C.10 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]	
C.11 Risk Management Plan [326 IAC 2-7-5(11)] [40 CFR 68]	
C.12 Response to Excursions or Exceedances [40 CFR 64][326 IAC 3-8][326 IAC 2-7-5] [326 IAC 2-7-6]	
C.13 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]	
Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]	26
C.14 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]	
C.15 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]	
C.16 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [40 CFR 64][326 IAC 3-8]	
Stratospheric Ozone Protection	28
C.17 Compliance with 40 CFR 82 and 326 IAC 22-1	
SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS	29
Emission Limitations and Standards [326 IAC 2-7-5(1)]	30
D.1.1 PSD Minor Limits [326 IAC 2-2]	
D.1.2 Particulate Matter Emission Limitations (PM) [326 IAC 6.8-1-2]	
D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]	
Compliance Determination Requirements [326 IAC 2-7-5(1)]	31
D.1.4 Testing Requirements [326 IAC 2-7-6(5)(c)][326 IAC 2-1.1-11]	
D.1.5 Particulate Matter (PM)	
Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]	32
D.1.6 Visible Emissions Notations [326 IAC 2-7-6] [40 CFR 64]	
D.1.7 Parametric Monitoring [40 CFR 64]	
D.1.8 Broken or Failed Bag Detection [40 CFR 64]	
Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]	33
D.1.9 Record Keeping Requirements	
D.1.10 Reporting Requirements	
SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS	34
Emission Limitations and Standards [326 IAC 2-7-5(1)]	34
D.2.1 Volatile Organic Compounds (VOC) Limitations [326 IAC 8-2-9]	
D.2.2 Emission Offset Minor Limits [326 IAC 2-3]	
D.2.3 Particulate Matter (PM) [326 IAC 6.8-1-2]	
D.2.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]	
Compliance Determination Requirements [326 IAC 2-7-5(1)]	36
D.2.5 Volatile Organic Compounds (VOCs) [326 IAC 8-1-4(a)(3)][326 IAC 8-1-2(a)]	
Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]	36
D.2.6 Record Keeping Requirements	
D.2.7 Reporting Requirements	
SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS	38
Emission Limitations and Standards [326 IAC 2-7-5(1)]	38
D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]	
D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-8]	
SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS	40
Emission Limitations and Standards [326 IAC 2-7-5(1)]	40
D.4.1 Particulate Matter (PM) [326 IAC 6.8-1-2]	

SECTION E.1 NESHAP	41
National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements	
[326 IAC 2-7-5(1)].....	42
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]	
E.1.2 National Emission Standards for Hazardous Air Pollutants (NESHAP) for Nine Metal Fabrication and Finishing Source Categories [40 CFR Part 63, Subpart XXXXXX]	
SECTION E.2 NESHAP	44
National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements	
[326 IAC 2-7-5(1)].....	44
E.2.1 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]	
E.2.2 National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Category: Gasoline Dispensing Facilities [40 CFR Part 63, Subpart CCCCCC]	
CERTIFICATION	45
EMERGENCY OCCURRENCE REPORT	46
Part 70 Quarterly Report.....	48
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT	50
Attachment A: National Emission Standards for Hazardous Air Pollutants (NESHAP) for Nine Metal Fabrication and Finishing Source Categories [40 CFR Part 63, Subpart XXXXXX]	
Attachment B: National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Category: Gasoline Dispensing Facilities [40 CFR Part 63, Subpart CCCCCC]	

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 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary miscellaneous metal working and bridge beam fabrication source.

Source Address:	86 North Bridge Street, Gary, Indiana 46404
General Source Phone Number:	(219) 885-7600
SIC Code:	3441 (Fabricated Structural Metal) 3449 (Miscellaneous Structural Metal Work)
County Location:	Lake
Source Location Status:	Nonattainment for 8-hour ozone standard Attainment for all other criteria pollutants
Source Status:	Part 70 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 2-7-4(c)(3)][326 IAC 2-7-5(14)]

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

#1 Blaster Conveyor Line

- (a) One (1) mechanical blaster, identified as EU #1, equipped with a baghouse identified as #1 for particulate matter control, constructed in 1968, exhausting through Stack #1, with a maximum capacity of 720 linear feet of steel plates and shapes per hour; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #1 is considered an existing affected source.

Annex

- (b) One (1) mechanical blaster#4, identified as EU #2, equipped with a baghouse identified as #2 for particulate matter control, constructed in 1990, exhausting through Stack #2, with a maximum capacity of 480 linear feet of steel plates per hour; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #2 is considered an existing affected source.

Girder Shop

- (c) One (1) paint booth, identified as EU #15, constructed in 1997, exhausting to general ventilation and using no emission control devices;
- (d) Electric arc stick welding, identified as EU #9, constructed in 2001, with a maximum capacity of 2.477 pounds of rods per minute; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #9 is considered an existing affected source.

- (e) OxyAcetylene/Methane Cutting, including forty-seven (47) torches exhausting inside the building, collectively identified as EU #13, constructed in 1998, with a total of forty-seven (47) torches operational; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #13 is considered an existing affected source.

- (f) One (1) blaster #3, identified as EU #18, constructed in 1997, equipped with a baghouse identified as #18 for particulate matter control, exhausting through Stack #18; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #18 is considered an existing affected source.

- (g) One (1) mechanical blaster #5, identified as EU #21, constructed in 2006, equipped with a baghouse identified as #21 for particulate matter control and exhausting through Stack # 21. EU #21 will have a maximum media throughput of 487,000 pounds per hour with a capacity of 600 linear feet of steel plate per hour. The blaster would clean scale from steel girders using steel shot; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #21 is considered an existing affected source.

- (h) One (1) paint booth, identified as EU #22, constructed in 2006, painting large steel bridge girders, exhausting to general ventilation, and using no emission control devices;

- (i) Submerged arc welding identified as EU #17, constructed in 1994, with a maximum capacity of 18.25 tons of wire per month total or 219 tons of wire per year; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #17 is considered an existing affected source.

Grinding

- (j) One (1) plate sweep grinder, identified as part of EU #11, constructed in 1990, with a maximum capacity of 75 square feet of steel per hour; [40 CFR 63, Subpart XXXXXX]

- (k) Three (3) slab grinders, identified as part of EU #11, constructed in 1991, with a maximum capacity of 613,200 tons of slabs per year total; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #11 is considered an existing affected source.

Bay #8 West

- (l) One (1) mechanical blaster #6, identified as EU #23, constructed in 2013, equipped with a baghouse identified as #23 for particulate matter control and exhausting through Stack # 23. EU #23 will have a maximum media throughput of 240,000 pounds per hour with a capacity of 360 linear feet of steel plate per hour. The blaster will clean scale from fabricated steel using steel shot. [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #23 is considered a new affected source.

Building A

- (m) One (1) metalizing booth, identified as EU #26, approved in 2016 for construction, with a maximum capacity of 10,220,000 ft² metal coated/year and a maximum wire usage of 5,110,000 pounds wire/year, using Baghouse #26 for particulate control, and exhausting through Stack # 26;

Bay #10

- (n) One (1) paint booth, identified as EU #25, approved in 2016 for construction, equipped with HVLP and/or airless applicators, with particulate emissions evacuated to general ventilation Baghouse #24, and exhausting indoors; and
- (o) One (1) hand blasting operation, identified as EU #24, approved in 2016 for construction, with particulate emissions evacuated to general ventilation Baghouse #24, and exhausting indoors. [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #24 is considered a new affected source.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, consisting of:
 - (1) One (1) boiler, identified as EU #7, rated at 1.8 million British thermal units per hour, constructed in 1976, exhausting through Stack #7. [326 IAC 6.8-1-2(b)(3)]
 - (2) Sixty-one (61) space heaters, identified as EU #8, rated at 14.2 million British thermal units per hour total. [326 IAC 6.8-1-2(a)]
 - (3) Four (4) natural gas-fired preheat tables and torches, identified as EU #14, rated at 0.30 million British thermal units per hour each or 1.2 million British thermal units per hour total. [326 IAC 6.8-1-2(a)]
 - (4) One (1) natural gas-fired cure oven, rated at 1.4 million British thermal units per hour, constructed in 2001, and exhausted through Stack #10. [326 IAC 6.8-1-2(a)]
 - (5) One (1) natural gas-fired preheat oven, rated at 2.58 million British thermal units per hour, constructed in 2001, and exhausted through Stack #10. [326 IAC 6.8-1-2(a)]
- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6: Four (4) parts washers, identified as EU #12, capacity: 725 gallons per year, total. [326 IAC 8-3-2] [326 IAC 8-3-8]
- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.8-1-2(a)]
- (d) Any of the following structural steel and bridge fabrication activities:
 - (1) Cutting 200,000 linear feet or less of one inch (1") plate or equivalent.
 - (2) Using 80 tons or less of welding consumables. [326 IAC 6.8-1-2(a)]
- (e) Any unit emitting less than five (5) pounds per hour or twenty-five (25) pounds per day of particulate matter: Hand grinding. [326 IAC 6.8-1-2(a)]
- (f) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

- (g) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons. [40 CFR 63, Subpart CCCCCC]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

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 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

- (a) This permit, T089-36385-00161, is issued for a fixed term of five (5) 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, including any permit shield provided in 326 IAC 2-7-15, 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 2-7-7] [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 2-7-5(5)]

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 2-7-5(6)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(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 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:
- (1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), 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) A "responsible official" is defined at 326 IAC 2-7-1(35).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

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

and

United States Environmental Protection Agency, Region 5
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

- (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 2-7-5(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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (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.11 Emergency Provisions [326 IAC 2-7-16]

- (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.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ or Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northwest Regional Office phone: (219) 464-0233; fax: (219) 464-0553.

- (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 2-7-5(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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (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 2-7-4(c)(8) 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 2-7 and any other applicable rules.
- (g) 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.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced 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 Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T089-36385-00161 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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 2-7-3 and 326 IAC 2-7-4(a).

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 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 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (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 2-7-9(a)(3)]
- (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 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(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 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

- (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 2-7-4. 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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 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 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.18 Permit Revision Under Economic Incentives and Other Programs
[326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

- (a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (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 preconstruction approval required by 326 IAC 2-7-10.5 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 2-7-20(b)(1) and (c)(1). 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 2-7-20(b)(1) and (c)(1).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(37)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
 - (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;
 - (3) Any change in emissions; and
 - (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (c) Emission Trades [326 IAC 2-7-20(c)]
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 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ or U.S. EPA is required.
- (e) 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.20 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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 Part 70 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 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 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 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.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ within 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) Except as provided in 326 IAC 2-7-19(e), 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.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][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 2-7-5(1)]

C.1 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 twenty percent (20%) 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.2 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.3 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.4 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). 326 IAC 6-4-2(4) is not federally enforceable.

C.5 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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (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. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.6 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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (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.7 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 2-7-5(1)][326 IAC 2-7-6(1)]

C.8 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)][40 CFR 64][326 IAC 3-8]

- (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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (c) For monitoring required by CAM, at all times, the Permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.
- (d) For monitoring required by CAM, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the Permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality

assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

C.9 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(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 2-7-5][326 IAC 2-7-6]

C.10 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.11 Risk Management Plan [326 IAC 2-7-5(11)] [40 CFR 68]

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

C.12 Response to Excursions or Exceedances [40 CFR 64][326 IAC 3-8][326 IAC 2-7-5] [326 IAC 2-7-6]

- (I) Upon detecting an excursion where a response step is required by the D Section, or an exceedance of a limitation, not subject to CAM, 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.
- (II)
- (a) *CAM Response to excursions or exceedances.*
 - (1) Upon detecting an excursion or exceedance, subject to CAM, the Permittee shall restore operation of the pollutant-specific emissions unit (including the 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 emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
 - (2) 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, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.
 - (b) If the Permittee identifies a failure to achieve compliance with an emission limitation, subject to CAM, or standard, subject to CAM, for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the Permittee shall promptly notify the IDEM, OAQ and, if necessary, submit a proposed significant permit modification to this permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.
 - (c) Based on the results of a determination made under paragraph (II)(a)(2) of this condition, the EPA or IDEM, OAQ may require the Permittee to develop and implement a Quality Improvement Plan (QIP). The Permittee shall develop and implement a QIP if notified to in writing by the EPA or IDEM, OAQ.

- (d) Elements of a QIP:
The Permittee shall maintain a written QIP, if required, and have it available for inspection. The plan shall conform to 40 CFR 64.8 b (2).
- (e) If a QIP is required, the Permittee shall develop and implement a QIP as expeditiously as practicable and shall notify the IDEM, OAQ if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.
- (f) Following implementation of a QIP, upon any subsequent determination pursuant to paragraph (II)(c) of this condition the EPA or the IDEM, OAQ may require that the Permittee make reasonable changes to the QIP if the QIP is found to have:
 - (1) Failed to address the cause of the control device performance problems;
or
 - (2) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (g) Implementation of a QIP shall not excuse the Permittee from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.
- (h) *CAM recordkeeping requirements.*
 - (1) The Permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to paragraph (II)(c) of this condition and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this condition (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.
 - (2) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

- (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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.14 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), the Permittee shall submit by July 1 an emission statement covering the previous calendar year as follows:
- (1) starting in 2004 and every three (3) years thereafter, and
 - (2) any year not already required under (1) if the source emits volatile organic compounds or oxides of nitrogen into the ambient air at levels equal to or greater than twenty-five (25) tons during the previous calendar year.
- (b) The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(33) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.15 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

- (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 Part 70 permit.
- Records of required monitoring information include the following, where applicable:
- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
 - (BB) The dates analyses were performed.
 - (CC) The company or entity that performed the analyses.
 - (DD) The analytical techniques or methods used.
 - (EE) The results of such analyses.
 - (FF) The operating conditions as existing at the time of sampling or measurement.

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

makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

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

C.16 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]
[40 CFR 64][326 IAC 3-8]

- (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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

On and after the date by which the Permittee must use monitoring that meets the requirements of 40 CFR Part 64 and 326 IAC 3-8, the Permittee shall submit CAM reports to the IDEM, OAQ.

A report for monitoring under 40 CFR Part 64 and 326 IAC 3-8 shall include, at a minimum, the information required under paragraph (a) of this condition and the following information, as applicable:

- (1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
- (2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
- (3) A description of the actions taken to implement a QIP during the reporting period as specified in Section C-Response to Excursions or Exceedances. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

The Permittee may combine the Quarterly Deviation and Compliance Monitoring Report and a report pursuant to 40 CFR 64 and 326 IAC 3-8.

- (b) The address for report submittal is:

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

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or

before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

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

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

SECTION D.1

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

#1 Blaster Conveyor Line

- (a) One (1) mechanical blaster, identified as EU #1, equipped with a baghouse identified as #1 for particulate matter control, constructed in 1968, exhausting through Stack #1, with a maximum capacity of 720 linear feet of steel plates and shapes per hour; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #1 is considered an existing affected source.

Annex

- (b) One (1) mechanical blaster#4, identified as EU #2, equipped with a baghouse identified as #2 for particulate matter control, constructed in 1990, exhausting through Stack #2, with a maximum capacity of 480 linear feet of steel plates per hour; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #2 is considered an existing affected source.

Girder Shop

- (d) Electric arc stick welding, identified as EU #9, constructed in 2001, with a maximum capacity of 2.477 pounds of rods per minute; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #9 is considered an existing affected source.

- (e) OxyAcetylene/Methane Cutting, including forty-seven (47) torches exhausting inside the building, collectively identified as EU #13, constructed in 1998, with a total of forty-seven (47) torches operational; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #13 is considered an existing affected source.

- (f) One (1) blaster #3, identified as EU #18, constructed in 1997, equipped with a baghouse identified as #18 for particulate matter control, exhausting through Stack #18; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #18 is considered an existing affected source.

- (g) One (1) mechanical blaster #5, identified as EU #21, constructed in 2006, equipped with a baghouse identified as #21 for particulate matter control and exhausting through Stack # 21. EU #21 will have a maximum media throughput of 487,000 pounds per hour with a capacity of 600 linear feet of steel plate per hour. The blaster would clean scale from steel girders using steel shot; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #21 is considered an existing affected source.

- (i) Submerged arc welding identified as EU #17, constructed in 1994, with a maximum capacity of 18.25 tons of wire per month total or 219 tons of wire per year; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #17 is considered an existing affected source.

Grinding

- (j) One (1) plate sweep grinder, identified as part of EU #11, constructed in 1990, with a maximum capacity of 75 square feet of steel per hour; [40 CFR 63, Subpart XXXXXX]

- (k) Three (3) slab grinders, identified as part of EU #11, constructed in 1991, with a maximum capacity of 613,200 tons of slabs per year total; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #11 is considered an existing affected source.

Bay #8 West

- (l) One (1) mechanical blaster #6, identified as EU #23, constructed in 2013, equipped with a baghouse identified as #23 for particulate matter control and exhausting through Stack # 23. EU #23 will have a maximum media throughput of 240,000 pounds per hour with a capacity of 360 linear feet of steel plate per hour. The blaster will clean scale from fabricated steel using steel shot. [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #23 is considered a new affected source.

Building A

- (m) One (1) metalizing booth, identified as EU #26, approved in 2016 for construction, with a maximum capacity of 10,220,000 ft² metal coated/year and a maximum wire usage of 5,110,000 pounds wire/year, using Baghouse #26 for particulate control, and exhausting through Stack # 26; and

Bay #10

- (o) One (1) hand blasting operation, identified as EU #24, approved in 2016 for construction, with particulate emissions evacuated to general ventilation Baghouse #24, and exhausting indoors. [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #24 is considered a new affected source.

(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 2-7-5(1)]

D.1.1 PSD Minor Limits [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 requirements:

- (a) The PM, PM₁₀, and PM_{2.5} emissions from the following processes shall not exceed the emission limits listed in the table below:

Process	Baghouse ID	PM Emission Limit (lbs/hr)	PM ₁₀ Emission Limit (lbs/hr)	PM _{2.5} Emission Limit (lbs/hr)
Mechanical Blaster #1 (EU #1)	Baghouse #1	1.75	1.75	1.75
Mechanical Blaster #4 (EU#2)	Baghouse #2	0.59	0.59	0.59
Mechanical Blaster #3 (EU #18)	Baghouse #18	0.58	0.58	0.58
Mechanical Blaster #5 (EU #21)	Baghouse #21	2.00	2.00	2.00
Mechanical Blaster #6 (EU #23)	Baghouse #23	1.50	1.50	1.50
Hand Blasting Operation (EU #24)	Baghouse #24	2.00	2.00	2.00
Metalizing Booth (EU #26)	Baghouse #26	0.70	0.70	0.70

- (b) The amount of steel slab from the three (3) slab grinders, identified as EU #11, to be ground shall be less than 200,000 tons per twelve (12) consecutive month period with compliance determined at the end of the month.

- (c) The PM emissions shall not exceed 0.0493 percent of steel slabs. Compliance with this limit combined with Condition D.1.1(b) will limit the PM emissions from the steel slab to be less than 98.6 tons per twelve (12) consecutive month period.
- (d) The PM₁₀ emissions shall not exceed 0.0493 percent of steel slabs. Compliance with this limit combined with Condition D.1.1(b) will limit the PM₁₀ emissions from the steel slab to be less than 98.6 tons per twelve (12) consecutive month period.
- (e) The PM_{2.5} emissions shall not exceed 0.0493 percent of steel slabs. Compliance with this limit combined with Condition D.1.1(b) will limit the PM_{2.5} emissions from the steel slab to be less than 98.6 tons per twelve (12) consecutive month period.

Compliance with these limits, combined with the potential to emit PM, PM₁₀, and PM_{2.5} from all other emission units at this source, shall limit the source-wide total potential to emit of PM, PM₁₀, and PM_{2.5} to less than two hundred fifty (250) tons per twelve (12) consecutive month period, each, and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.1.2 Particulate Matter Emission Limitations (PM) [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2, the particulate matter (PM) emissions from the emission units, identified as EU #1, EU #2, EU #9, EU #11, EU #13, EU #18, EU #17, EU #21, EU #23, EU #24, and EU #26, shall not exceed 0.03 grains per dry standard cubic foot, each.

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for EU #1, EU #2, EU #9, EU #11, EU #13, EU #18, EU #17, EU #21, EU #23, EU #24, and EU #26, and their 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 2-7-5(1)]

D.1.4 Testing Requirements [326 IAC 2-7-6(5)(c)][326 IAC 2-1.1-11]

- (a) No later than five (5) years after the most recent valid compliance demonstration, the Permittee shall perform PM, PM₁₀, and PM_{2.5} testing on one (1) of the mechanical blasters, EU #1, EU #2, EU #18, EU #21, or EU #23 to verify compliance with Conditions D.1.1 and D.1.2, utilizing methods as approved by the Commissioner. These tests shall be repeated on a different blaster and control device at least once every five (5) years from the date of the most recent valid compliance demonstration. The blaster tested shall be the blaster in which the longest amount of time has elapsed since its previous test. 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 PM_{2.5} includes filterable and condensable PM.
- (b) In order to demonstrate compliance with Conditions D.1.1 and D.1.2, the Permittee shall perform PM, PM₁₀, and PM_{2.5} testing on EU #24 and EU #26 no later than sixty (60) days after achieving maximum capacity but not later than one hundred eighty (180) days after initial startup. This testing shall be conducted utilizing methods approved by the Commissioner and shall be repeated 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 PM_{2.5} includes filterable and condensable PM.

D.1.5 Particulate Matter (PM)

- (a) In order to comply with Conditions D.1.1 and D.1.2, the baghouses shall be in operation and control emissions from the EU #1, EU #2, EU #18, EU #21, EU #23, EU #24, and EU #26 at all times that the blasting processes are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.1.6 Visible Emissions Notations [326 IAC 2-7-6] [40 CFR 64]

- (a) Visible emission notations of the stack exhaust from blaster EU#1, EU #2, EU#18, EU#21, EU#23, and EU #26 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 at any baghouse exhaust, the Permittee shall take reasonable response steps. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response required by this condition. Failure to take a reasonable response shall be considered a deviation from this permit.

D.1.7 Parametric Monitoring [40 CFR 64]

The Permittee shall record the pressure drop across the baghouses used in conjunction with the abrasive blasting processes, at least once per day when the blasting processes are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouses for blasters EU #1, EU #2, EU #18, EU #21, EU #23, EU #24, and EU #26 is outside the normal range, the Permittee shall take a reasonable response. The normal range for the baghouses for blasters EU #1 is a pressure drop range between 2.0 and 6.0 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. The normal range for the baghouses for blasters EU #2 and EU #23 is a pressure drop range between 1.0 and 8.0 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. The normal range for the baghouses for blasters EU #18, EU #21, EU #24, and EU #26 is a pressure drop range between 1.0 and 5.0 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside of the above mentioned ranges is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.8 Broken or Failed Bag Detection [40 CFR 64]

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

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

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.9 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1(b) - PSD Minor Limits, the Permittee shall keep monthly records of the amount of steel slab ground by the three (3) slab grinders.
- (b) To document the compliance status with Condition D.1.6 – Visible Emission Notations, the Permittee shall maintain daily records of visible emission notations of EU#1, EU #2, EU#18, EU#21, EU#23, and EU #26 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.1.7– Parametric Monitoring, the Permittee shall maintain the daily records of the pressure drop across baghouses for units EU #1, EU #2, EU #18, EU #21, EU #23, EU #24, and EU #26. 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 record keeping required by this condition.

D.1.10 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.1.1(b) shall be submitted using the reporting form located at the end of this permit, or its equivalent not later than thirty (30) days following the end of each calendar quarter being reported. Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Girder Shop

- (c) One (1) paint booth, identified as EU #15, constructed in 1997, exhausting to general ventilation and using no emission control devices;
- (h) One (1) paint booth, identified as EU#22, constructed in 2006, painting large steel bridge girders, exhausting to general ventilation, and using no emission control devices;

Bay #10

- (n) One (1) paint booth, identified as EU#25, approved in 2016 for construction, equipped with HVLP and/or airless applicators, with particulate emissions evacuated to general ventilation Baghouse #24, and exhausting indoors;

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Volatile Organic Compounds (VOC) Limitations [326 IAC 8-2-9]

- (a) Pursuant to 326 IAC 8-2-9(d)(1)(A) (Miscellaneous Metal Coating Operations), the VOC content of coatings delivered to the applicator at the paint booth, identified as EU #15 shall be limited such that the Permittee shall not allow the discharge into the atmosphere of VOC in excess of 3.5 pounds of VOC per gallon of coating, excluding water, as delivered to the applicator, for extreme performance coatings.
- (b) Pursuant to 326 IAC 8-2-9(d)(1)(A) (Miscellaneous Metal Coating Operations), the VOC content of coatings delivered to the applicator at the paint booth, identified as EU #22 shall be limited such that the Permittee shall not allow the discharge into the atmosphere of VOC in excess of 3.5 pounds of VOC per gallon of coating, excluding water, as delivered to the applicator, for extreme performance coatings.
- (c) Pursuant to 326 IAC 8-2-9(d)(1)(A) (Miscellaneous Metal Coating Operations), the VOC content of coatings delivered to the applicator at the paint booth, identified as EU #25 shall be limited such that the Permittee shall not allow the discharge into the atmosphere of VOC in excess of 3.5 pounds of VOC per gallon of coating, excluding water, as delivered to the applicator, for extreme performance coatings.
- (d) Pursuant to 326 IAC 8-2-9(d)(2) (Miscellaneous Metal Coating Operations), one (1) or a combination of the following equipment shall be used for coating application in the three (3) paint booths, identified as EU #15, EU #22, and EU #25:
 - Electrostatic equipment
 - High volume low-pressure (HVLP) spray equipment
 - Flow coating
 - Roller coating
 - Dip coating, including electrodeposition
 - Airless spray
 - Air-assisted airless spray
 - Other coating application method capable of achieving a transfer efficiency equivalent or better than achieved by HVLP spraying

- (e) 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 limited to, the following:
- (1) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
 - (2) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.
 - (3) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
 - (4) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one (1) location to another in closed containers or pipes.
 - (5) Minimize VOC emissions from the cleaning 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.2.2 Emission Offset Minor Limits [326 IAC 2-3]

In order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable, the total VOC input, including coatings and solvent used for dilution and clean-up to the paint booths, identified as EU #15, EU #22, and EU #25, shall be limited such that the VOC emissions shall not exceed 96.06 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit VOC from all other emission units at this source, shall limit the source-wide total potential to emit of VOC to less than one hundred (100) tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-3 (Emission Offset) not applicable.

D.2.3 Particulate Matter (PM) [326 IAC 6.8-1-2]

- (a) Pursuant to 326 IAC 6.8-1-2(h), particulate from the paint booths EU #15, EU #22, and EU #25 shall be controlled by dry particulate filters, waterwash, or an equivalent control device. The Permittee shall use the following work practices as an equivalent control device:
- (1) Conduct all spray coating operations within an enclosed building;
 - (2) Close man doors, overhead doors and powered vents located within 100 feet of the spray equipment, and keep them closed during spray operations;
 - (3) Collect dry-fall paint on floor surfaces; and
 - (4) Collect and dispose dry-fall paint from floor surfaces to prevent re-entrainment to exhaust air.

D.2.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for EU #15, EU #22, and EU #25, and their 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 2-7-5(1)]

D.2.5 Volatile Organic Compounds (VOCs) [326 IAC 8-1-4(a)(3)][326 IAC 8-1-2(a)]

- (a) Compliance with the VOC limitations contained in Conditions D.2.1 and D.2.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.
- (b) When using non-compliant coatings, compliance with the VOC content limit in Conditions D.2.1(a), D.2.1(b), and D.2.1(c) shall be determined pursuant to 326 IAC 8-1-2(a)(7), using a volume weighted average of coatings on a daily basis for the three (3) paint booths, identified as EU #15, EU #22, and EU #25.

The daily volume weighted average for each paint booth shall be determined by the following equation:

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

Where:

A is the volume weighted average in pounds VOC per gallon less water as applied;
C is the VOC content of the coating in pounds VOC per gallon less water as applied; and
U is the usage rate of the coating in gallons per day.

- (c) Compliance with Condition D.2.2 shall be determined no later than thirty (30) days after the end of each month. For a particular month, this shall be based on the total volatile organic compounds emitted for that month added to the previous eleven (11) month total VOC emitted so as to arrive at VOC emissions for the most recent twelve (12) consecutive month period. The VOC emissions for a month can be arrived at using the following equation:

$$\text{Total VOC Emissions} = [(\text{VOC Input EU \#15})] + [(\text{VOC Input EU \#22})] + [(\text{VOC Input EU \#25})]$$

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.6 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) through (6) below. Records maintained for (1) through (6) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC content and usage limits, and the VOC emission limits established in Conditions D.2.1 and D.2.2.
- (1) The amount of VOC in each coating material and solvent used.
- (2) The amount of coating material and solvent less water used on a daily and 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) When using non-compliant coatings, the volume weighted VOC content of the coating used for each day;

- (4) The cleanup solvent usage for each day and for each month;
 - (5) The total VOC usage for each day and each month.
 - (6) The total weight of VOC emitted for each month and each compliance period.
- (b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.2.7 Reporting Requirements

A quarterly summary of the monthly VOC emissions to document the compliance status with Condition D.2.2 shall be submitted using the reporting form located at the end of this permit, or its equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Insignificant Activities

- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6: Four (4) parts washers, identified as EU #12, capacity: 725 gallons per year, total.[326 IAC 8-3-2] [326 IAC 8-3-8]

(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 2-7-5(1)]

D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

- (a) Pursuant to 326 IAC 8-3-2(a), the owner or operator of a cold cleaner degreaser shall ensure the following control equipment and operating requirements are met:
 - (1) Equip the degreaser with a cover.
 - (2) Equip the degreaser with a device for draining cleaned parts.
 - (3) Close the degreaser cover whenever parts are not being handled in the degreaser.
 - (4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases.
 - (5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).
 - (6) Store waste solvent only in closed containers.
 - (7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.
- (b) Pursuant to 326 IAC 8-3-2(b), the owner or operator of a cold cleaner degreaser subject to this subsection shall ensure the following additional control equipment and operating requirements are met:
 - (1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent used is insoluble in, and heavier than, water.
 - (C) A refrigerated chiller.
 - (D) Carbon adsorption.
 - (E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the

department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.

- (2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.
- (3) If used, solvent spray:
 - (A) must be a solid, fluid stream; and
 - (B) shall be applied at a pressure that does not cause excessive splashing.

D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8, the Permittee shall comply with the following requirements:

- (a) Material requirements are as follows:
 - (1) No person shall operate a cold cleaner degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).
- (b) Record keeping requirements are as follows:
 - (1) All persons subject to the requirements of subsection (a)(1) shall maintain each of the following records for each purchase:
 - (A) The name and address of the solvent supplier.
 - (B) The date of purchase (or invoice/bill date of contract servicer indicating service date).
 - (C) The type of solvent purchased.
 - (D) The total volume of the solvent purchased.
 - (E) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty eight (68) degrees Fahrenheit).
- (c) All records required by subsection (b) shall be:
 - (1) retained on-site or accessible electronically from the site for the most recent three (3) year period; and
 - (2) reasonably accessible for an additional two (2) year period.

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, consisting of:
 - (1) One (1) boiler, identified as EU #7, rated at 1.8 million British thermal units per hour, constructed in 1976, exhausting through Stack #7. [326 IAC 6.8-1-2(b)(3)]
 - (2) Sixty-one (61) space heaters, identified as EU #8, rated at 14.2 million British thermal units per hour total. [326 IAC 6.8-1-2(a)]
 - (3) Four (4) natural gas-fired preheat tables and torches, identified as EU #14, rated at 0.30 million British thermal units per hour each or 1.2 million British thermal units per hour total. [326 IAC 6.8-1-2(a)]
 - (4) One (1) natural gas-fired cure oven, rated at 1.4 million British thermal units per hour, constructed in 2001, and exhausted through Stack #10. [326 IAC 6.8-1-2(a)]
 - (5) One (1) natural gas-fired preheat oven, rated at 2.58 million British thermal units per hour, constructed in 2001, and exhausted through Stack #10. [326 IAC 6.8-1-2(a)]
- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.8-1-2(a)]
- (d) Any of the following structural steel and bridge fabrication activities:
 - (1) Cutting 200,000 linear feet or less of one inch (1") plate or equivalent.
 - (2) Using 80 tons or less of welding consumables. [326 IAC 6.8-1-2(a)]
- (e) Any unit emitting less than five (5) pounds per hour or twenty-five (25) pounds per day of particulate matter: Hand grinding. [326 IAC 6.8-1-2(a)]

(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 2-7-5(1)]

D.4.1 Particulate Matter (PM) [326 IAC 6.8-1-2]

- (a) Pursuant to 326 IAC 6.8-1-2(a) (Particulate Matter Limitations For Lake County), PM/PM₁₀/PM_{2.5} emissions from the brazing equipment, cutting torches, soldering equipment, space heaters, preheat table, preheat oven, cure oven, welding equipment structural steel and bridge fabrication activities and hand grinding, shall be limited to 0.03 grain per dry standard cubic foot.
- (b) Pursuant to 326 IAC 6.8-1-2(b)(3), the particulate matter emissions from the 1.80 million British thermal units per hour natural gas-fired boiler, identified as EU #7, shall not exceed 0.01 grains per dry standard cubic foot of exhaust air.

SECTION E.1

NESHAP

Emissions Unit Description:

#1 Blaster Conveyor Line

- (a) One (1) mechanical blaster, identified as EU #1, equipped with a baghouse identified as #1 for particulate matter control, constructed in 1968, exhausting through Stack #1, with a maximum capacity of 720 linear feet of steel plates and shapes per hour; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #1 is considered an existing affected source.

Annex

- (b) One (1) mechanical blaster#4, identified as EU #2, equipped with a baghouse identified as #2 for particulate matter control, constructed in 1990, exhausting through Stack #2, with a maximum capacity of 480 linear feet of steel plates per hour; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #2 is considered an existing affected source.

Girder Shop

- (d) Electric arc stick welding, identified as EU #9, constructed in 2001, with a maximum capacity of 2.477 pounds of rods per minute; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #9 is considered an existing affected source.

- (e) OxyAcetylene/Methane Cutting, including forty-seven (47) torches exhausting inside the building, collectively identified as EU #13, constructed in 1998, with a total of forty-seven (47) torches operational; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #13 is considered an existing affected source.

- (f) One (1) blaster #3, identified as EU #18, constructed in 1997, equipped with a baghouse identified as #18 for particulate matter control, exhausting through Stack #18; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #18 is considered an existing affected source.

- (g) One (1) mechanical blaster #5, identified as EU #21, constructed in 2006, equipped with a baghouse identified as #21 for particulate matter control and exhausting through Stack # 21. EU #21 will have a maximum media throughput of 487,000 pounds per hour with a capacity of 600 linear feet of steel plate per hour. The blaster would clean scale from steel girders using steel shot; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #21 is considered an existing affected source.

- (i) Submerged arc welding identified as EU #17, constructed in 1994, with a maximum capacity of 18.25 tons of wire per month total or 219 tons of wire per year; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #17 is considered an existing affected source.

Grinding

- (j) One (1) plate sweep grinder, identified as part of EU #11, constructed in 1990, with a maximum capacity of 75 square feet of steel per hour; [40 CFR 63, Subpart XXXXXX]

- (k) Three (3) slab grinders, identified as part of EU #11, constructed in 1991, with a maximum capacity of 613,200 tons of slabs per year total; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #11 is considered an existing affected source.

Bay #8 West

- (l) One (1) mechanical blaster #6, identified as EU #23, constructed in 2013, equipped with a baghouse identified as #23 for particulate matter control and exhausting through Stack # 23. EU #23 will have a maximum media throughput of 240,000 pounds per hour with a capacity of 360 linear feet of steel plate per hour. The blaster will clean scale from fabricated steel using steel shot. [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #23 is considered a new affected source.

Bay #10

- (o) One (1) hand blasting operation, identified as EU #24, approved in 2016 for construction, with particulate emissions evacuated to general ventilation Baghouse #24, and exhausting indoors. [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #24 is considered a new affected source.

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

**National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements
[326 IAC 2-7-5(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 units 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:

United States Environmental Protection Agency, Region 5
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

E.1.2 National Emission Standards for Hazardous Air Pollutants (NESHAP) for Nine Metal Fabrication and Finishing Source Categories [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).

- (a) Dry abrasive blasting affected sources: the mechanical blasters EU #1, 2, 18, 21, and 23, and hand blasting operation EU #24 are each subject the following applicable portions of the NESHAP:

- (1) 40 CFR 63.11514(a)(4)
(2) 40 CFR 63.11514(b)(3)
(3) 40 CFR 63.11515
(4) 40 CFR 63.11516(a)(2)

- (5) 40 CFR 63.11516(a)(3)
- (6) 40 CFR 63.11517(a)
- (7) 40 CFR 63.11517(b)
- (8) 40 CFR 63.11519(a)
- (9) 40 CFR 63.11519(b)(1 through 5)
- (10) 40 CFR 63.11519(c)(1, 2, 13, and 15)
- (11) Table 1 to Subpart XXXXXX

(b) Dry grinding affected sources: the plate and slab grinders EU #11 are each subject the following applicable portions of the NESHAP:

- (1) 40 CFR 63.11514(a)(4)
- (2) 40 CFR 63.11514(b)(3)
- (3) 40 CFR 63.11515
- (4) 40 CFR 63.11516(c)(1)
- (5) 40 CFR 63.11516(c)(2)
- (6) 40 CFR 63.11517(a)
- (7) 40 CFR 63.11517(b)
- (8) 40 CFR 63.11519(a)
- (9) 40 CFR 63.11519(b)(1 through 5)
- (10) 40 CFR 63.11519(c)(1, 2, 13, and 15)
- (11) Table 1 to Subpart XXXXXX

(c) Welding affected sources: the electric arc stick welding EU #9 and submerged arc welding EU #17 are each subject the following applicable portions of the NESHAP:

- (1) 40 CFR 63.11514(a)(4)
- (2) 40 CFR 63.11514(b)(5)
- (3) 40 CFR 63.11515
- (4) 40 CFR 63.11516(f)
- (6) 40 CFR 63.11517(c)
- (7) 40 CFR 63.11517(d)
- (8) 40 CFR 63.11519(a)
- (9) 40 CFR 63.11519(b)(1 through 4, 6, 8, and 9)
- (10) 40 CFR 63.11519(c)(1, 3, 11, 12, 13, 14, and 15)
- (11) Table 1 to Subpart XXXXXX

SECTION E.2

NESHAP

Emissions Unit Description:

Insignificant Activities

- (g) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons. [40 CFR 63, Subpart CCCCCC]

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.2.1 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 units listed above, except as otherwise specified in 40 CFR Part 63, Subpart CCCCCC.
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

United States Environmental Protection Agency, Region 5
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

E.2.2 National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Category: Gasoline Dispensing Facilities [40 CFR Part 63, Subpart CCCCCC]

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

- (1) 40 CFR 63.11111(a), (b), (e), and (j)
- (2) 40 CFR 63.11112(a) and (d)
- (3) 40 CFR 63.11113(b) and (c)
- (4) 40 CFR 63.11115
- (5) 40 CFR 63.11116
- (6) 40 CFR 63.11131
- (7) 40 CFR 63.11132

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Industrial Steel Construction, Inc.
Source Address: 86 North Bridge Street, Gary, Indiana 46404
Part 70 Permit No.: T089-36385-00161

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:

Phone:

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**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Industrial Steel Construction, Inc.
Source Address: 86 North Bridge Street, Gary, Indiana 46404
Part 70 Permit No.: T089-36385-00161

This form consists of 2 pages

Page 1 of 2

- This is an emergency as defined in 326 IAC 2-7-1(12)
- 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 2-7-16.

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

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

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

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
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 DATA SECTION**

Part 70 Quarterly Report

Source Name: Industrial Steel Construction, Inc.
Source Address: 86 North Bridge Street, Gary, Indiana 46404
Permit No.: T089-36385-00161
Facility: Three (3) paint booths, EU #15, EU #22, and EU #25
Parameter: VOC Emissions
Limit: The total VOC input, including coatings and solvent used for dilution and clean-up to the paint booths, identified as EU #15, EU #22, and EU #25, shall be limited such that the VOC emissions shall not exceed 96.06 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: _____ YEAR: _____

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

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: Industrial Steel Construction, Inc.
Source Address: 86 North Bridge Street, Gary, Indiana 46404
Permit No.: T089-36385-00161
Facilities: Three (3) slab grinders, EU #11
Parameter: Tons of steel slabs
Limit: The amount of steel slab from the three (3) slab grinders, identified as EU #11, to be ground shall be less than 200,000 tons per twelve (12) consecutive month period with compliance determined at the end of the month.

QUARTER: _____ YEAR: _____

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

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Industrial Steel Construction, Inc.
Source Address: 86 North Bridge Street, Gary, Indiana 46404
Part 70 Permit No.: T089-36385-00161

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

Part 70 Operating Permit Renewal No: T089-36385-00161

[Downloaded from the eCFR on February 26, 2015]

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 exceedence has occurred during the year, each annual certification and compliance report must be submitted along with the exceedence 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.

Attachment B

Part 70 Operating Permit Renewal No: T089-36385-00161

[Downloaded from the eCFR on May 13, 2013]

Electronic Code of Federal Regulations

Title 40: Protection of Environment

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

Subpart CCCCCC—National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities

Source: 73 FR 1945, Jan. 10, 2008, unless otherwise noted.

What This Subpart Covers

§ 63.11110 What is the purpose of this subpart?

This subpart establishes national emission limitations and management practices for hazardous air pollutants (HAP) emitted from the loading of gasoline storage tanks at gasoline dispensing facilities (GDF). This subpart also establishes requirements to demonstrate compliance with the emission limitations and management practices.

§ 63.11111 Am I subject to the requirements in this subpart?

(a) The affected source to which this subpart applies is each GDF that is located at an area source. The affected source includes each gasoline cargo tank during the delivery of product to a GDF and also includes each storage tank.

(b) If your GDF has a monthly throughput of less than 10,000 gallons of gasoline, you must comply with the requirements in § 63.11116.

(c) If your GDF has a monthly throughput of 10,000 gallons of gasoline or more, you must comply with the requirements in § 63.11117.

(d) If your GDF has a monthly throughput of 100,000 gallons of gasoline or more, you must comply with the requirements in § 63.11118.

(e) An affected source shall, upon request by the Administrator, demonstrate that their monthly throughput is less than the 10,000-gallon or the 100,000-gallon threshold level, as applicable. For new or reconstructed affected sources, as specified in § 63.11112(b) and (c), recordkeeping to document monthly throughput must begin upon startup of the affected source. For existing sources, as specified in § 63.11112(d), recordkeeping to document monthly throughput must begin on January 10, 2008. For existing sources that are subject to this subpart only because they load gasoline into fuel tanks other than those in motor vehicles, as defined in § 63.11132, recordkeeping to document monthly throughput must begin on January 24, 2011. Records required under this paragraph shall be kept for a period of 5 years.

(f) If you are an owner or operator of affected sources, as defined in paragraph (a) of this section, you are not required to obtain a permit under 40 CFR part 70 or 40 CFR part 71 as a result of being subject to this subpart. However, you must still apply for and obtain a permit under 40 CFR part 70 or 40 CFR part 71 if you meet one or more of the applicability criteria found in 40 CFR 70.3(a) and (b) or 40 CFR 71.3(a) and (b).

(g) The loading of aviation gasoline into storage tanks at airports, and the subsequent transfer of aviation gasoline within the airport, is not subject to this subpart.

(h) Monthly throughput is the total volume of gasoline loaded into, or dispensed from, all the gasoline storage tanks located at a single affected GDF. If an area source has two or more GDF at separate locations within the area source, each GDF is treated as a separate affected source.

(i) If your affected source's throughput ever exceeds an applicable throughput threshold, the affected source will remain subject to the requirements for sources above the threshold, even if the affected source throughput later falls below the applicable throughput threshold.

(j) The dispensing of gasoline from a fixed gasoline storage tank at a GDF into a portable gasoline tank for the on-site delivery and subsequent dispensing of the gasoline into the fuel tank of a motor vehicle or other gasoline-fueled engine or equipment used within the area source is only subject to § 63.11116 of this subpart.

(k) For any affected source subject to the provisions of this subpart and another Federal rule, you may elect to comply only with the more stringent provisions of the applicable subparts. You must consider all provisions of the rules, including monitoring, recordkeeping, and reporting. You must identify the affected source and provisions with which you will comply in your Notification of Compliance Status required under § 63.11124. You also must demonstrate in your Notification of Compliance Status that each provision with which you will comply is at least as stringent as the otherwise applicable requirements in this subpart. You are responsible for making accurate determinations concerning the more stringent provisions, and noncompliance with this rule is not excused if it is later determined that your determination was in error, and, as a result, you are violating this subpart. Compliance with this rule is your responsibility and the Notification of Compliance Status does not alter or affect that responsibility.

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4181, Jan. 24, 2011]

§ 63.11112 What parts of my affected source does this subpart cover?

(a) The emission sources to which this subpart applies are gasoline storage tanks and associated equipment components in vapor or liquid gasoline service at new, reconstructed, or existing GDF that meet the criteria specified in § 63.11111. Pressure/Vacuum vents on gasoline storage tanks and the equipment necessary to unload product from cargo tanks into the storage tanks at GDF are covered emission sources. The equipment used for the refueling of motor vehicles is not covered by this subpart.

(b) An affected source is a new affected source if you commenced construction on the affected source after November 9, 2006, and you meet the applicability criteria in § 63.11111 at the time you commenced operation.

(c) An affected source is reconstructed if you meet the criteria for reconstruction as defined in § 63.2.

(d) An affected source is an existing affected source if it is not new or reconstructed.

§ 63.11113 When do I have to comply with this subpart?

(a) If you have a new or reconstructed affected source, you must comply with this subpart according to paragraphs (a)(1) and (2) of this section, except as specified in paragraph (d) of this section.

(1) If you start up your affected source before January 10, 2008, you must comply with the standards in this subpart no later than January 10, 2008.

(2) If you start up your affected source after January 10, 2008, you must comply with the standards in this subpart upon startup of your affected source.

(b) If you have an existing affected source, you must comply with the standards in this subpart no later than January 10, 2011.

(c) If you have an existing affected source that becomes subject to the control requirements in this subpart because of an increase in the monthly throughput, as specified in § 63.11111(c) or § 63.11111(d), you must comply with the standards in this subpart no later than 3 years after the affected source becomes subject to the control requirements in this subpart.

(d) If you have a new or reconstructed affected source and you are complying with Table 1 to this subpart, you must comply according to paragraphs (d)(1) and (2) of this section.

(1) If you start up your affected source from November 9, 2006 to September 23, 2008, you must comply no later than September 23, 2008.

(2) If you start up your affected source after September 23, 2008, you must comply upon startup of your affected source.

(e) The initial compliance demonstration test required under § 63.11120(a)(1) and (2) must be conducted as specified in paragraphs (e)(1) and (2) of this section.

(1) If you have a new or reconstructed affected source, you must conduct the initial compliance test upon installation of the complete vapor balance system.

(2) If you have an existing affected source, you must conduct the initial compliance test as specified in paragraphs (e)(2)(i) or (e)(2)(ii) of this section.

(i) For vapor balance systems installed on or before December 15, 2009, you must test no later than 180 days after the applicable compliance date specified in paragraphs (b) or (c) of this section.

(ii) For vapor balance systems installed after December 15, 2009, you must test upon installation of the complete vapor balance system.

(f) If your GDF is subject to the control requirements in this subpart only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in § 63.11132, you must comply with the standards in this subpart as specified in paragraphs (f)(1) or (f)(2) of this section.

(1) If your GDF is an existing facility, you must comply by January 24, 2014.

(2) If your GDF is a new or reconstructed facility, you must comply by the dates specified in paragraphs (f)(2)(i) and (ii) of this section.

(i) If you start up your GDF after December 15, 2009, but before January 24, 2011, you must comply no later than January 24, 2011.

(ii) If you start up your GDF after January 24, 2011, you must comply upon startup of your GDF.

[73 FR 1945, Jan. 10, 2008, as amended at 73 FR 35944, June 25, 2008; 76 FR 4181, Jan. 24, 2011]

Emission Limitations and Management Practices

§ 63.11115 What are my general duties to minimize emissions?

Each owner or operator of an affected source under this subpart must comply with the requirements of paragraphs (a) and (b) of this section.

(a) You must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review

of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(b) You must keep applicable records and submit reports as specified in § 63.11125(d) and § 63.11126(b).

[76 FR 4182, Jan. 24, 2011]

§ 63.11116 Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline.

(a) You must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:

- (1) Minimize gasoline spills;
- (2) Clean up spills as expeditiously as practicable;
- (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
- (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

(b) You are not required to submit notifications or reports as specified in § 63.11125, § 63.11126, or subpart A of this part, but you must have records available within 24 hours of a request by the Administrator to document your gasoline throughput.

(c) You must comply with the requirements of this subpart by the applicable dates specified in § 63.11113.

(d) Portable gasoline containers that meet the requirements of 40 CFR part 59, subpart F, are considered acceptable for compliance with paragraph (a)(3) of this section.

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4182, Jan. 24, 2011]

§ 63.11117 Requirements for facilities with monthly throughput of 10,000 gallons of gasoline or more.

(a) You must comply with the requirements in section § 63.11116(a).

(b) Except as specified in paragraph (c) of this section, you must only load gasoline into storage tanks at your facility by utilizing submerged filling, as defined in § 63.11132, and as specified in paragraphs (b)(1), (b)(2), or (b)(3) of this section. The applicable distances in paragraphs (b)(1) and (2) shall be measured from the point in the opening of the submerged fill pipe that is the greatest distance from the bottom of the storage tank.

(1) Submerged fill pipes installed on or before November 9, 2006, must be no more than 12 inches from the bottom of the tank.

(2) Submerged fill pipes installed after November 9, 2006, must be no more than 6 inches from the bottom of the tank.

(3) Submerged fill pipes not meeting the specifications of paragraphs (b)(1) or (b)(2) of this section are allowed if the owner or operator can demonstrate that the liquid level in the tank is always above the entire opening of the fill pipe. Documentation providing such demonstration must be made available for inspection by the Administrator's delegated representative during the course of a site visit.

(c) Gasoline storage tanks with a capacity of less than 250 gallons are not required to comply with the submerged fill requirements in paragraph (b) of this section, but must comply only with all of the requirements in § 63.11116.

(d) You must have records available within 24 hours of a request by the Administrator to document your gasoline throughput.

(e) You must submit the applicable notifications as required under § 63.11124(a).

(f) You must comply with the requirements of this subpart by the applicable dates contained in § 63.11113.

[73 FR 1945, Jan. 10, 2008, as amended at 73 FR 12276, Mar. 7, 2008; 76 FR 4182, Jan. 24, 2011]

§ 63.11118 Requirements for facilities with monthly throughput of 100,000 gallons of gasoline or more.

(a) You must comply with the requirements in §§ 63.11116(a) and 63.11117(b).

(b) Except as provided in paragraph (c) of this section, you must meet the requirements in either paragraph (b)(1) or paragraph (b)(2) of this section.

(1) Each management practice in Table 1 to this subpart that applies to your GDF.

(2) If, prior to January 10, 2008, you satisfy the requirements in both paragraphs (b)(2)(i) and (ii) of this section, you will be deemed in compliance with this subsection.

(i) You operate a vapor balance system at your GDF that meets the requirements of either paragraph (b)(2)(i)(A) or paragraph (b)(2)(i)(B) of this section.

(A) Achieves emissions reduction of at least 90 percent.

(B) Operates using management practices at least as stringent as those in Table 1 to this subpart.

(ii) Your gasoline dispensing facility is in compliance with an enforceable State, local, or tribal rule or permit that contains requirements of either paragraph (b)(2)(i)(A) or paragraph (b)(2)(i)(B) of this section.

(c) The emission sources listed in paragraphs (c)(1) through (3) of this section are not required to comply with the control requirements in paragraph (b) of this section, but must comply with the requirements in § 63.11117.

(1) Gasoline storage tanks with a capacity of less than 250 gallons that are constructed after January 10, 2008.

(2) Gasoline storage tanks with a capacity of less than 2,000 gallons that were constructed before January 10, 2008.

(3) Gasoline storage tanks equipped with floating roofs, or the equivalent.

(d) Cargo tanks unloading at GDF must comply with the management practices in Table 2 to this subpart.

(e) You must comply with the applicable testing requirements contained in § 63.11120.

(f) You must submit the applicable notifications as required under § 63.11124.

(g) You must keep records and submit reports as specified in §§ 63.11125 and 63.11126.

(h) You must comply with the requirements of this subpart by the applicable dates contained in § 63.11113.

[73 FR 1945, Jan. 10, 2008, as amended at 73 FR 12276, Mar. 7, 2008]

Testing and Monitoring Requirements

§ 63.11120 What testing and monitoring requirements must I meet?

(a) Each owner or operator, at the time of installation, as specified in § 63.11113(e), of a vapor balance system required under § 63.11118(b)(1), and every 3 years thereafter, must comply with the requirements in paragraphs (a)(1) and (2) of this section.

(1) You must demonstrate compliance with the leak rate and cracking pressure requirements, specified in item 1(g) of Table 1 to this subpart, for pressure-vacuum vent valves installed on your gasoline storage tanks using the test methods identified in paragraph (a)(1)(i) or paragraph (a)(1)(ii) of this section.

(i) California Air Resources Board Vapor Recovery Test Procedure TP-201.1E,—Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves, adopted October 8, 2003 (incorporated by reference, see § 63.14).

(ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in § 63.7(f).

(2) You must demonstrate compliance with the static pressure performance requirement specified in item 1(h) of Table 1 to this subpart for your vapor balance system by conducting a static pressure test on your gasoline storage tanks using the test methods identified in paragraphs (a)(2)(i), (a)(2)(ii), or (a)(2)(iii) of this section.

(i) California Air Resources Board Vapor Recovery Test Procedure TP-201.3,—Determination of 2-Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities, adopted April 12, 1996, and amended March 17, 1999 (incorporated by reference, see § 63.14).

(ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in § 63.7(f).

(iii) Bay Area Air Quality Management District Source Test Procedure ST-30—Static Pressure Integrity Test—Underground Storage Tanks, adopted November 30, 1983, and amended December 21, 1994 (incorporated by reference, see § 63.14).

(b) Each owner or operator choosing, under the provisions of § 63.6(g), to use a vapor balance system other than that described in Table 1 to this subpart must demonstrate to the Administrator or delegated authority under paragraph § 63.11131(a) of this subpart, the equivalency of their vapor balance system to that described in Table 1 to this subpart using the procedures specified in paragraphs (b)(1) through (3) of this section.

(1) You must demonstrate initial compliance by conducting an initial performance test on the vapor balance system to demonstrate that the vapor balance system achieves 95 percent reduction using the California Air Resources Board Vapor Recovery Test Procedure TP-201.1,—Volumetric Efficiency for Phase I Vapor Recovery Systems, adopted April 12, 1996, and amended February 1, 2001, and October 8, 2003, (incorporated by reference, see § 63.14).

(2) You must, during the initial performance test required under paragraph (b)(1) of this section, determine and document alternative acceptable values for the leak rate and cracking pressure requirements specified in item 1(g) of Table 1 to this subpart and for the static pressure performance requirement in item 1(h) of Table 1 to this subpart.

(3) You must comply with the testing requirements specified in paragraph (a) of this section.

(c) Conduct of performance tests. Performance tests conducted for this subpart shall be conducted under such conditions as the Administrator specifies to the owner or operator based on representative performance (*i.e.*, performance based on normal operating conditions) of the affected source. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

(d) Owners and operators of gasoline cargo tanks subject to the provisions of Table 2 to this subpart must conduct annual certification testing according to the vapor tightness testing requirements found in § 63.11092(f).

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4182, Jan. 24, 2011]

Notifications, Records, and Reports

§ 63.11124 What notifications must I submit and when?

(a) Each owner or operator subject to the control requirements in § 63.11117 must comply with paragraphs (a)(1) through (3) of this section.

(1) You must submit an Initial Notification that you are subject to this subpart by May 9, 2008, or at the time you become subject to the control requirements in § 63.11117, unless you meet the requirements in paragraph (a)(3) of this section. If your affected source is subject to the control requirements in § 63.11117 only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in § 63.11132, you must submit the Initial Notification by May 24, 2011. The Initial Notification must contain the information specified in paragraphs (a)(1)(i) through (iii) of this section. The notification must be submitted to the applicable EPA Regional Office and delegated State authority as specified in § 63.13.

(i) The name and address of the owner and the operator.

(ii) The address (i.e., physical location) of the GDF.

(iii) A statement that the notification is being submitted in response to this subpart and identifying the requirements in paragraphs (a) through (c) of § 63.11117 that apply to you.

(2) You must submit a Notification of Compliance Status to the applicable EPA Regional Office and the delegated State authority, as specified in § 63.13, within 60 days of the applicable compliance date specified in § 63.11113, unless you meet the requirements in paragraph (a)(3) of this section. The Notification of Compliance Status must be signed by a responsible official who must certify its accuracy, must indicate whether the source has complied with the requirements of this subpart, and must indicate whether the facilities' monthly throughput is calculated based on the volume of gasoline loaded into all storage tanks or on the volume of gasoline dispensed from all storage tanks. If your facility is in compliance with the requirements of this subpart at the time the Initial Notification required under paragraph (a)(1) of this section is due, the Notification of Compliance Status may be submitted in lieu of the Initial Notification provided it contains the information required under paragraph (a)(1) of this section.

(3) If, prior to January 10, 2008, you are operating in compliance with an enforceable State, local, or tribal rule or permit that requires submerged fill as specified in § 63.11117(b), you are not required to submit an Initial Notification or a Notification of Compliance Status under paragraph (a)(1) or paragraph (a)(2) of this section.

(b) Each owner or operator subject to the control requirements in § 63.11118 must comply with paragraphs (b)(1) through (5) of this section.

(1) You must submit an Initial Notification that you are subject to this subpart by May 9, 2008, or at the time you become subject to the control requirements in § 63.11118. If your affected source is subject to the control requirements in § 63.11118 only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in § 63.11132, you must submit the Initial Notification by May 24, 2011. The Initial Notification must contain the information specified in paragraphs (b)(1)(i) through (iii) of this section. The notification must be submitted to the applicable EPA Regional Office and delegated State authority as specified in § 63.13.

(i) The name and address of the owner and the operator.

(ii) The address (i.e., physical location) of the GDF.

(iii) A statement that the notification is being submitted in response to this subpart and identifying the requirements in paragraphs (a) through (c) of § 63.11118 that apply to you.

(2) You must submit a Notification of Compliance Status to the applicable EPA Regional Office and the delegated State authority, as specified in § 63.13, in accordance with the schedule specified in § 63.9(h). The Notification of

Compliance Status must be signed by a responsible official who must certify its accuracy, must indicate whether the source has complied with the requirements of this subpart, and must indicate whether the facility's throughput is determined based on the volume of gasoline loaded into all storage tanks or on the volume of gasoline dispensed from all storage tanks. If your facility is in compliance with the requirements of this subpart at the time the Initial Notification required under paragraph (b)(1) of this section is due, the Notification of Compliance Status may be submitted in lieu of the Initial Notification provided it contains the information required under paragraph (b)(1) of this section.

(3) If, prior to January 10, 2008, you satisfy the requirements in both paragraphs (b)(3)(i) and (ii) of this section, you are not required to submit an Initial Notification or a Notification of Compliance Status under paragraph (b)(1) or paragraph (b)(2) of this subsection.

(i) You operate a vapor balance system at your gasoline dispensing facility that meets the requirements of either paragraphs (b)(3)(i)(A) or (b)(3)(i)(B) of this section.

(A) Achieves emissions reduction of at least 90 percent.

(B) Operates using management practices at least as stringent as those in Table 1 to this subpart.

(ii) Your gasoline dispensing facility is in compliance with an enforceable State, local, or tribal rule or permit that contains requirements of either paragraphs (b)(3)(i)(A) or (b)(3)(i)(B) of this section.

(4) You must submit a Notification of Performance Test, as specified in § 63.9(e), prior to initiating testing required by § 63.11120(a) and (b).

(5) You must submit additional notifications specified in § 63.9, as applicable.

[73 FR 1945, Jan. 10, 2008, as amended at 73 FR 12276, Mar. 7, 2008; 76 FR 4182, Jan. 24, 2011]

§ 63.11125 What are my recordkeeping requirements?

(a) Each owner or operator subject to the management practices in § 63.11118 must keep records of all tests performed under § 63.11120(a) and (b).

(b) Records required under paragraph (a) of this section shall be kept for a period of 5 years and shall be made available for inspection by the Administrator's delegated representatives during the course of a site visit.

(c) Each owner or operator of a gasoline cargo tank subject to the management practices in Table 2 to this subpart must keep records documenting vapor tightness testing for a period of 5 years. Documentation must include each of the items specified in § 63.11094(b)(2)(i) through (viii). Records of vapor tightness testing must be retained as specified in either paragraph (c)(1) or paragraph (c)(2) of this section.

(1) The owner or operator must keep all vapor tightness testing records with the cargo tank.

(2) As an alternative to keeping all records with the cargo tank, the owner or operator may comply with the requirements of paragraphs (c)(2)(i) and (ii) of this section.

(i) The owner or operator may keep records of only the most recent vapor tightness test with the cargo tank, and keep records for the previous 4 years at their office or another central location.

(ii) Vapor tightness testing records that are kept at a location other than with the cargo tank must be instantly available (e.g., via e-mail or facsimile) to the Administrator's delegated representative during the course of a site visit or within a mutually agreeable time frame. Such records must be an exact duplicate image of the original paper copy record with certifying signatures.

(d) Each owner or operator of an affected source under this subpart shall keep records as specified in paragraphs (d)(1) and (2) of this section.

(1) Records of the occurrence and duration of each malfunction of operation (*i.e.*, process equipment) or the air pollution control and monitoring equipment.

(2) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4183, Jan. 24, 2011]

§ 63.11126 What are my reporting requirements?

(a) Each owner or operator subject to the management practices in § 63.11118 shall report to the Administrator the results of all volumetric efficiency tests required under § 63.11120(b). Reports submitted under this paragraph must be submitted within 180 days of the completion of the performance testing.

(b) Each owner or operator of an affected source under this subpart shall report, by March 15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with § 63.11115(a), including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred.

[76 FR 4183, Jan. 24, 2011]

Other Requirements and Information

§ 63.11130 What parts of the General Provisions apply to me?

Table 3 to this subpart shows which parts of the General Provisions apply to you.

§ 63.11131 Who implements and enforces this subpart?

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

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under subpart E of this part, the authorities contained in paragraph (c) of this section are retained by the Administrator of U.S. EPA and cannot be transferred to the State, local, or tribal agency.

(c) The authorities that cannot be delegated to State, local, or tribal agencies are as specified in paragraphs (c)(1) through (3) of this section.

(1) Approval of alternatives to the requirements in §§ 63.11116 through 63.11118 and 63.11120.

(2) Approval of major alternatives to test methods under § 63.7(e)(2)(ii) and (f), as defined in § 63.90, and as required in this subpart.

(3) Approval of major alternatives to recordkeeping and reporting under § 63.10(f), as defined in § 63.90, and as required in this subpart.

§ 63.11132 What definitions apply to this subpart?

As used in this subpart, all terms not defined herein shall have the meaning given them in the Clean Air Act (CAA), or in subparts A and BBBBBB of this part. For purposes of this subpart, definitions in this section supersede definitions in other parts or subparts.

Dual-point vapor balance system means a type of vapor balance system in which the storage tank is equipped with an entry port for a gasoline fill pipe and a separate exit port for a vapor connection.

Gasoline means any petroleum distillate or petroleum distillate/alcohol blend having a Reid vapor pressure of 27.6 kilopascals or greater, which is used as a fuel for internal combustion engines.

Gasoline cargo tank means a delivery tank truck or railcar which is loading or unloading gasoline, or which has loaded or unloaded gasoline on the immediately previous load.

Gasoline dispensing facility (GDF) means any stationary facility which dispenses gasoline into the fuel tank of a motor vehicle, motor vehicle engine, nonroad vehicle, or nonroad engine, including a nonroad vehicle or nonroad engine used solely for competition. These facilities include, but are not limited to, facilities that dispense gasoline into on- and off-road, street, or highway motor vehicles, lawn equipment, boats, test engines, landscaping equipment, generators, pumps, and other gasoline-fueled engines and equipment.

Monthly throughput means the total volume of gasoline that is loaded into, or dispensed from, all gasoline storage tanks at each GDF during a month. Monthly throughput is calculated by summing the volume of gasoline loaded into, or dispensed from, all gasoline storage tanks at each GDF during the current day, plus the total volume of gasoline loaded into, or dispensed from, all gasoline storage tanks at each GDF during the previous 364 days, and then dividing that sum by 12.

Motor vehicle means any self-propelled vehicle designed for transporting persons or property on a street or highway.

Nonroad engine means an internal combustion engine (including the fuel system) that is not used in a motor vehicle or a vehicle used solely for competition, or that is not subject to standards promulgated under section 7411 of this title or section 7521 of this title.

Nonroad vehicle means a vehicle that is powered by a nonroad engine, and that is not a motor vehicle or a vehicle used solely for competition.

Submerged filling means, for the purposes of this subpart, the filling of a gasoline storage tank through a submerged fill pipe whose discharge is no more than the applicable distance specified in § 63.11117(b) from the bottom of the tank. Bottom filling of gasoline storage tanks is included in this definition.

Vapor balance system means a combination of pipes and hoses that create a closed system between the vapor spaces of an unloading gasoline cargo tank and a receiving storage tank such that vapors displaced from the storage tank are transferred to the gasoline cargo tank being unloaded.

Vapor-tight means equipment that allows no loss of vapors. Compliance with vapor-tight requirements can be determined by checking to ensure that the concentration at a potential leak source is not equal to or greater than 100 percent of the Lower Explosive Limit when measured with a combustible gas detector, calibrated with propane, at a distance of 1 inch from the source.

Vapor-tight gasoline cargo tank means a gasoline cargo tank which has demonstrated within the 12 preceding months that it meets the annual certification test requirements in § 63.11092(f) of this part.

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4183, Jan. 24, 2011]

Table 1 to Subpart CCCCCC of Part 63—Applicability Criteria and Management Practices for Gasoline Dispensing Facilities With Monthly Throughput of 100,000 Gallons of Gasoline or More¹

If you own or operate	Then you must
1. A new, reconstructed, or existing GDF subject to § 63.11118	Install and operate a vapor balance system on your gasoline storage tanks that meets the design criteria in paragraphs (a) through (h).
	(a) All vapor connections and lines on the storage tank shall be equipped with closures that seal upon disconnect.
	(b) The vapor line from the gasoline storage tank to the gasoline cargo tank shall be vapor-tight, as defined in § 63.11132.
	(c) The vapor balance system shall be designed such that the pressure in the tank truck does not exceed 18 inches water pressure or 5.9 inches water vacuum during product transfer.
	(d) The vapor recovery and product adaptors, and the method of connection with the delivery elbow, shall be designed so as to prevent the over-tightening or loosening of fittings during normal delivery operations.
	(e) If a gauge well separate from the fill tube is used, it shall be provided with a submerged drop tube that extends the same distance from the bottom of the storage tank as specified in § 63.11117(b).
	(f) Liquid fill connections for all systems shall be equipped with vapor-tight caps.
	(g) Pressure/vacuum (PV) vent valves shall be installed on the storage tank vent pipes. The pressure specifications for PV vent valves shall be: a positive pressure setting of 2.5 to 6.0 inches of water and a negative pressure setting of 6.0 to 10.0 inches of water. The total leak rate of all PV vent valves at an affected facility, including connections, shall not exceed 0.17 cubic foot per hour at a pressure of 2.0 inches of water and 0.63 cubic foot per hour at a vacuum of 4 inches of water.
	(h) The vapor balance system shall be capable of meeting the static pressure performance requirement of the following equation:
	$P_f = 2e^{-500.887/v}$
	Where:
	P_f = Minimum allowable final pressure, inches of water.
	v = Total ullage affected by the test, gallons.
	e = Dimensionless constant equal to approximately 2.718.
	2 = The initial pressure, inches water.
2. A new or reconstructed GDF, or any storage tank(s) constructed after November 9, 2006, at an existing affected facility subject to § 63.11118	Equip your gasoline storage tanks with a dual-point vapor balance system, as defined in § 63.11132, and comply with the requirements of item 1 in this Table.

¹ The management practices specified in this Table are not applicable if you are complying with the requirements in § 63.11118(b)(2), except that if you are complying with the requirements in § 63.11118(b)(2)(i)(B), you must operate using management practices at least as stringent as those listed in this Table.

Table 2 to Subpart CCCCCC of Part 63—Applicability Criteria and Management Practices for Gasoline Cargo Tanks Unloading at Gasoline Dispensing Facilities With Monthly Throughput of 100,000 Gallons of Gasoline or More

If you own or operate	Then you must
A gasoline cargo tank	Not unload gasoline into a storage tank at a GDF subject to the control requirements in this subpart unless the following conditions are met:
	(i) All hoses in the vapor balance system are properly connected,
	(ii) The adapters or couplers that attach to the vapor line on the storage tank have closures that seal upon disconnect,
	(iii) All vapor return hoses, couplers, and adapters used in the gasoline delivery are vapor-tight,
	(iv) All tank truck vapor return equipment is compatible in size and forms a vapor-tight connection with the vapor balance equipment on the GDF storage tank, and
	(v) All hatches on the tank truck are closed and securely fastened.
	(vi) The filling of storage tanks at GDF shall be limited to unloading from vapor-tight gasoline cargo tanks. Documentation that the cargo tank has met the specifications of EPA Method 27 shall be carried with the cargo tank, as specified in § 63.11125(c).

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4184, Jan. 24, 2011]

Table 3 to Subpart CCCCCC of Part 63—Applicability of General Provisions

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 63.1	Applicability	Initial applicability determination; applicability after standard established; permit requirements; extensions, notifications	Yes, specific requirements given in § 63.11111.
§ 63.1(c)(2)	Title V Permit	Requirements for obtaining a title V permit from the applicable permitting authority	Yes, § 63.11111(f) of subpart CCCCCC exempts identified area sources from the obligation to obtain title V operating permits.
§ 63.2	Definitions	Definitions for part 63 standards	Yes, additional definitions in § 63.11132.
§ 63.3	Units and Abbreviations	Units and abbreviations for part 63 standards	Yes.
§ 63.4	Prohibited Activities and Circumvention	Prohibited activities; Circumvention, severability	Yes.
§ 63.5	Construction/Reconstruction	Applicability; applications; approvals	Yes, except that these notifications are not required for facilities subject to § 63.11116
§ 63.6(a)	Compliance with Standards/Operation & Maintenance—Applicability	General Provisions apply unless compliance extension; General Provisions apply to area sources that become major	Yes.
§ 63.6(b)(1)-(4)	Compliance Dates for New and Reconstructed Sources	Standards apply at effective date; 3 years after effective date; upon startup; 10 years after construction or reconstruction commences for CAA section 112(f)	Yes.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 63.6(b)(5)	Notification	Must notify if commenced construction or reconstruction after proposal	Yes.
§ 63.6(b)(6)	[Reserved]		
§ 63.6(b)(7)	Compliance Dates for New and Reconstructed Area Sources That Become Major	Area sources that become major must comply with major source standards immediately upon becoming major, regardless of whether required to comply when they were an area source	No.
§ 63.6(c)(1)-(2)	Compliance Dates for Existing Sources	Comply according to date in this subpart, which must be no later than 3 years after effective date; for CAA section 112(f) standards, comply within 90 days of effective date unless compliance extension	No, § 63.11113 specifies the compliance dates.
§ 63.6(c)(3)-(4)	[Reserved]		
§ 63.6(c)(5)	Compliance Dates for Existing Area Sources That Become Major	Area sources That become major must comply with major source standards by date indicated in this subpart or by equivalent time period (e.g., 3 years)	No.
§ 63.6(d)	[Reserved]		
63.6(e)(1)(i)	General duty to minimize emissions	Operate to minimize emissions at all times; information Administrator will use to determine if operation and maintenance requirements were met.	No. See § 63.11115 for general duty requirement.
63.6(e)(1)(ii)	Requirement to correct malfunctions ASAP	Owner or operator must correct malfunctions as soon as possible.	No.
§ 63.6(e)(2)	[Reserved]		
§ 63.6(e)(3)	Startup, Shutdown, and Malfunction (SSM) Plan	Requirement for SSM plan; content of SSM plan; actions during SSM	No.
§ 63.6(f)(1)	Compliance Except During SSM	You must comply with emission standards at all times except during SSM	No.
§ 63.6(f)(2)-(3)	Methods for Determining Compliance	Compliance based on performance test, operation and maintenance plans, records, inspection	Yes.
§ 63.6(g)(1)-(3)	Alternative Standard	Procedures for getting an alternative standard	Yes.
§ 63.6(h)(1)	Compliance with Opacity/Visible Emission (VE) Standards	You must comply with opacity/VE standards at all times except during SSM	No.
§ 63.6(h)(2)(i)	Determining Compliance with Opacity/VE Standards	If standard does not State test method, use EPA Method 9 for opacity in appendix A of part 60 of this chapter and EPA Method 22 for VE in appendix A of part 60 of this chapter	No.
§ 63.6(h)(2)(ii)	[Reserved]		
§ 63.6(h)(2)(iii)	Using Previous Tests To Demonstrate Compliance With Opacity/VE Standards	Criteria for when previous opacity/VE testing can be used to show compliance with this subpart	No.
§ 63.6(h)(3)	[Reserved]		
§ 63.6(h)(4)	Notification of Opacity/VE Observation Date	Must notify Administrator of anticipated date of observation	No.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 63.6(h)(5)(i), (iii)-(v)	Conducting Opacity/VE Observations	Dates and schedule for conducting opacity/VE observations	No.
§ 63.6(h)(5)(ii)	Opacity Test Duration and Averaging Times	Must have at least 3 hours of observation with 30 6-minute averages	No.
§ 63.6(h)(6)	Records of Conditions During Opacity/VE Observations	Must keep records available and allow Administrator to inspect	No.
§ 63.6(h)(7)(i)	Report Continuous Opacity Monitoring System (COMS) Monitoring Data From Performance Test	Must submit COMS data with other performance test data	No.
§ 63.6(h)(7)(ii)	Using COMS Instead of EPA Method 9	Can submit COMS data instead of EPA Method 9 results even if rule requires EPA Method 9 in appendix A of part 60 of this chapter, but must notify Administrator before performance test	No.
§ 63.6(h)(7)(iii)	Averaging Time for COMS During Performance Test	To determine compliance, must reduce COMS data to 6-minute averages	No.
§ 63.6(h)(7)(iv)	COMS Requirements	Owner/operator must demonstrate that COMS performance evaluations are conducted according to § 63.8(e); COMS are properly maintained and operated according to § 63.8(c) and data quality as § 63.8(d)	No.
§ 63.6(h)(7)(v)	Determining Compliance with Opacity/VE Standards	COMS is probable but not conclusive evidence of compliance with opacity standard, even if EPA Method 9 observation shows otherwise. Requirements for COMS to be probable evidence-proper maintenance, meeting Performance Specification 1 in appendix B of part 60 of this chapter, and data have not been altered	No.
§ 63.6(h)(8)	Determining Compliance with Opacity/VE Standards	Administrator will use all COMS, EPA Method 9 (in appendix A of part 60 of this chapter), and EPA Method 22 (in appendix A of part 60 of this chapter) results, as well as information about operation and maintenance to determine compliance	No.
§ 63.6(h)(9)	Adjusted Opacity Standard	Procedures for Administrator to adjust an opacity standard	No.
§ 63.6(i)(1)-(14)	Compliance Extension	Procedures and criteria for Administrator to grant compliance extension	Yes.
§ 63.6(j)	Presidential Compliance Exemption	President may exempt any source from requirement to comply with this subpart	Yes.
§ 63.7(a)(2)	Performance Test Dates	Dates for conducting initial performance testing; must conduct 180 days after compliance date	Yes.
§ 63.7(a)(3)	CAA Section 114 Authority	Administrator may require a performance test under CAA section 114 at any time	Yes.
§ 63.7(b)(1)	Notification of Performance Test	Must notify Administrator 60 days before the test	Yes.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 63.7(b)(2)	Notification of Re-scheduling	If have to reschedule performance test, must notify Administrator of rescheduled date as soon as practicable and without delay	Yes.
§ 63.7(c)	Quality Assurance (QA)/Test Plan	Requirement to submit site-specific test plan 60 days before the test or on date Administrator agrees with; test plan approval procedures; performance audit requirements; internal and external QA procedures for testing	Yes.
§ 63.7(d)	Testing Facilities	Requirements for testing facilities	Yes.
63.7(e)(1)	Conditions for Conducting Performance Tests	Performance test must be conducted under representative conditions	No, § 63.11120(c) specifies conditions for conducting performance tests.
§ 63.7(e)(2)	Conditions for Conducting Performance Tests	Must conduct according to this subpart and EPA test methods unless Administrator approves alternative	Yes.
§ 63.7(e)(3)	Test Run Duration	Must have three test runs of at least 1 hour each; compliance is based on arithmetic mean of three runs; conditions when data from an additional test run can be used	Yes.
§ 63.7(f)	Alternative Test Method	Procedures by which Administrator can grant approval to use an intermediate or major change, or alternative to a test method	Yes.
§ 63.7(g)	Performance Test Data Analysis	Must include raw data in performance test report; must submit performance test data 60 days after end of test with the Notification of Compliance Status; keep data for 5 years	Yes.
§ 63.7(h)	Waiver of Tests	Procedures for Administrator to waive performance test	Yes.
§ 63.8(a)(1)	Applicability of Monitoring Requirements	Subject to all monitoring requirements in standard	Yes.
§ 63.8(a)(2)	Performance Specifications	Performance Specifications in appendix B of 40 CFR part 60 apply	Yes.
§ 63.8(a)(3)	[Reserved]		
§ 63.8(a)(4)	Monitoring of Flares	Monitoring requirements for flares in § 63.11 apply	Yes.
§ 63.8(b)(1)	Monitoring	Must conduct monitoring according to standard unless Administrator approves alternative	Yes.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 63.8(b)(2)-(3)	Multiple Effluents and Multiple Monitoring Systems	Specific requirements for installing monitoring systems; must install on each affected source or after combined with another affected source before it is released to the atmosphere provided the monitoring is sufficient to demonstrate compliance with the standard; if more than one monitoring system on an emission point, must report all monitoring system results, unless one monitoring system is a backup	No.
§ 63.8(c)(1)	Monitoring System Operation and Maintenance	Maintain monitoring system in a manner consistent with good air pollution control practices	No.
§ 63.8(c)(1)(i)-(iii)	Operation and Maintenance of Continuous Monitoring Systems (CMS)	Must maintain and operate each CMS as specified in § 63.6(e)(1); must keep parts for routine repairs readily available; must develop a written SSM plan for CMS, as specified in § 63.6(e)(3)	No.
§ 63.8(c)(2)-(8)	CMS Requirements	Must install to get representative emission or parameter measurements; must verify operational status before or at performance test	No.
§ 63.8(d)	CMS Quality Control	Requirements for CMS quality control, including calibration, etc.; must keep quality control plan on record for 5 years; keep old versions for 5 years after revisions	No.
§ 63.8(e)	CMS Performance Evaluation	Notification, performance evaluation test plan, reports	No.
§ 63.8(f)(1)-(5)	Alternative Monitoring Method	Procedures for Administrator to approve alternative monitoring	No.
§ 63.8(f)(6)	Alternative to Relative Accuracy Test	Procedures for Administrator to approve alternative relative accuracy tests for continuous emissions monitoring system (CEMS)	No.
§ 63.8(g)	Data Reduction	COMS 6-minute averages calculated over at least 36 evenly spaced data points; CEMS 1 hour averages computed over at least 4 equally spaced data points; data that cannot be used in average	No.
§ 63.9(a)	Notification Requirements	Applicability and State delegation	Yes.
§ 63.9(b)(1)-(2), (4)-(5)	Initial Notifications	Submit notification within 120 days after effective date; notification of intent to construct/reconstruct, notification of commencement of construction/reconstruction, notification of startup; contents of each	Yes.
§ 63.9(c)	Request for Compliance Extension	Can request if cannot comply by date or if installed best available control technology or lowest achievable emission rate	Yes.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 63.9(d)	Notification of Special Compliance Requirements for New Sources	For sources that commence construction between proposal and promulgation and want to comply 3 years after effective date	Yes.
§ 63.9(e)	Notification of Performance Test	Notify Administrator 60 days prior	Yes.
§ 63.9(f)	Notification of VE/Opacity Test	Notify Administrator 30 days prior	No.
§ 63.9(g)	Additional Notifications when Using CMS	Notification of performance evaluation; notification about use of COMS data; notification that exceeded criterion for relative accuracy alternative	Yes, however, there are no opacity standards.
§ 63.9(h)(1)-(6)	Notification of Compliance Status	Contents due 60 days after end of performance test or other compliance demonstration, except for opacity/VE, which are due 30 days after; when to submit to Federal vs. State authority	Yes, however, there are no opacity standards.
§ 63.9(i)	Adjustment of Submittal Deadlines	Procedures for Administrator to approve change when notifications must be submitted	Yes.
§ 63.9(j)	Change in Previous Information	Must submit within 15 days after the change	Yes.
§ 63.10(a)	Recordkeeping/Reporting	Applies to all, unless compliance extension; when to submit to Federal vs. State authority; procedures for owners of more than one source	Yes.
§ 63.10(b)(1)	Recordkeeping/Reporting	General requirements; keep all records readily available; keep for 5 years	Yes.
§ 63.10(b)(2)(i)	Records related to SSM	Recordkeeping of occurrence and duration of startups and shutdowns	No.
§ 63.10(b)(2)(ii)	Records related to SSM	Recordkeeping of malfunctions	No. See § 63.11125(d) for recordkeeping of (1) occurrence and duration and (2) actions taken during malfunction.
§ 63.10(b)(2)(iii)	Maintenance records	Recordkeeping of maintenance on air pollution control and monitoring equipment	Yes.
§ 63.10(b)(2)(iv)	Records Related to SSM	Actions taken to minimize emissions during SSM	No.
§ 63.10(b)(2)(v)	Records Related to SSM	Actions taken to minimize emissions during SSM	No.
§ 63.10(b)(2)(vi)-(xi)	CMS Records	Malfunctions, inoperative, out-of-control periods	No.
§ 63.10(b)(2)(xii)	Records	Records when under waiver	Yes.
§ 63.10(b)(2)(xiii)	Records	Records when using alternative to relative accuracy test	Yes.
§ 63.10(b)(2)(xiv)	Records	All documentation supporting Initial Notification and Notification of Compliance Status	Yes.
§ 63.10(b)(3)	Records	Applicability determinations	Yes.
§ 63.10(c)	Records	Additional records for CMS	No.

Citation	Subject	Brief description	Applies to subpart CCCCC
§ 63.10(d)(1)	General Reporting Requirements	Requirement to report	Yes.
§ 63.10(d)(2)	Report of Performance Test Results	When to submit to Federal or State authority	Yes.
§ 63.10(d)(3)	Reporting Opacity or VE Observations	What to report and when	No.
§ 63.10(d)(4)	Progress Reports	Must submit progress reports on schedule if under compliance extension	Yes.
§ 63.10(d)(5)	SSM Reports	Contents and submission	No. See § 63.11126(b) for malfunction reporting requirements.
§ 63.10(e)(1)-(2)	Additional CMS Reports	Must report results for each CEMS on a unit; written copy of CMS performance evaluation; two-three copies of COMS performance evaluation	No.
§ 63.10(e)(3)(i)-(iii)	Reports	Schedule for reporting excess emissions	No.
§ 63.10(e)(3)(iv)-(v)	Excess Emissions Reports	Requirement to revert to quarterly submission if there is an excess emissions and parameter monitor exceedances (now defined as deviations); provision to request semiannual reporting after compliance for 1 year; submit report by 30th day following end of quarter or calendar half; if there has not been an exceedance or excess emissions (now defined as deviations), report contents in a statement that there have been no deviations; must submit report containing all of the information in §§ 63.8(c)(7)-(8) and 63.10(c)(5)-(13)	No.
§ 63.10(e)(3)(iv)-(v)	Excess Emissions Reports	Requirement to revert to quarterly submission if there is an excess emissions and parameter monitor exceedances (now defined as deviations); provision to request semiannual reporting after compliance for 1 year; submit report by 30th day following end of quarter or calendar half; if there has not been an exceedance or excess emissions (now defined as deviations), report contents in a statement that there have been no deviations; must submit report containing all of the information in §§ 63.8(c)(7)-(8) and 63.10(c)(5)-(13)	No, § 63.11130(K) specifies excess emission events for this subpart.
§ 63.10(e)(3)(vi)-(viii)	Excess Emissions Report and Summary Report	Requirements for reporting excess emissions for CMS; requires all of the information in §§ 63.10(c)(5)-(13) and 63.8(c)(7)-(8)	No.
§ 63.10(e)(4)	Reporting COMS Data	Must submit COMS data with performance test data	No.
§ 63.10(f)	Waiver for Recordkeeping/Reporting	Procedures for Administrator to waive	Yes.

Citation	Subject	Brief description	Applies to subpart CCCCCC
§ 63.11(b)	Flares	Requirements for flares	No.
§ 63.12	Delegation	State authority to enforce standards	Yes.
§ 63.13	Addresses	Addresses where reports, notifications, and requests are sent	Yes.
§ 63.14	Incorporations by Reference	Test methods incorporated by reference	Yes.
§ 63.15	Availability of Information	Public and confidential information	Yes.

[73 FR 1945, Jan. 10, 2008, as amended at 76 FR 4184, Jan. 24, 2011]

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Significant Source Modification (SSM) and a
Part 70 Operating Permit Renewal

Source Background and Description

Source Name:	Industrial Steel Construction, Inc.
Source Location:	86 North Bridge Street, Gary, Indiana 46404
County:	Lake
SIC Code:	3441 (Fabricated Structural Metal) 3449 (Miscellaneous Structural Metal Work)
Permit Renewal No.:	T089-36385-00161
Significant Source Modification No.:	089-36435-00161
Permit Reviewer:	Donald McQuigg

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Industrial Steel Construction, Inc. relating to the operation of a stationary miscellaneous metal working and bridge beam fabrication source. On October 14, 2015, Industrial Steel Construction, Inc. submitted an application to the OAQ requesting to renew its operating permit. In addition, on October 14, 2015, Industrial Steel Construction, Inc. submitted a Significant Source Modification application to the OAQ for the construction and operation of new emissions units.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

#1 Blaster Conveyor Line

- (a) One (1) mechanical blaster, identified as EU #1, equipped with a baghouse identified as #1 for particulate matter control, constructed in 1968, exhausting through Stack #1, with a maximum capacity of 720 linear feet of steel plates and shapes per hour; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #1 is considered an existing affected source.

Annex

- (b) One (1) mechanical blaster#4, identified as EU #2, equipped with a baghouse identified as #2 for particulate matter control, constructed in 1990, exhausting through Stack #2, with a maximum capacity of 480 linear feet of steel plates per hour; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #2 is considered an existing affected source.

Girder Shop

- (c) One (1) paint booth, identified as EU #15, constructed in 1997, exhausting to general ventilation and using no emission control devices;
- (d) Electric arc stick welding, identified as EU #9, constructed in 2001, with a maximum capacity of 2.477 pounds of rods per minute; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #9 is considered an existing affected source.

- (e) OxyAcetylene/Methane Cutting, including forty-seven (47) torches exhausting inside the building, collectively identified as EU #13, constructed in 1998, with a total of forty-seven (47) torches operational; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #13 is considered an existing affected source.

- (f) One (1) blaster #3, identified as EU #18, constructed in 1997, equipped with a baghouse identified as #18 for particulate matter control, exhausting through Stack #18; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #18 is considered an existing affected source.

- (g) One (1) mechanical blaster #5, identified as EU #21, constructed in 2006, equipped with a baghouse identified as #21 for particulate matter control and exhausting through Stack # 21. EU #21 will have a maximum media throughput of 487,000 pounds per hour with a capacity of 600 linear feet of steel plate per hour. The blaster would clean scale from steel girders using steel shot; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #21 is considered an existing affected source.

- (h) One (1) paint booth, identified as EU #22, constructed in 2006, painting large steel bridge girders, exhausting to general ventilation, and using no emission control devices;
- (i) Submerged arc welding identified as EU #17, constructed in 1994, with a maximum capacity of 18.25 tons of wire per month total or 219 tons of wire per year; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #17 is considered an existing affected source.

Grinding

- (j) One (1) plate sweep grinder, identified as part of EU #11, constructed in 1990, with a maximum capacity of 75 square feet of steel per hour; [40 CFR 63, Subpart XXXXXX]
- (k) Three (3) slab grinders, identified as part of EU #11, constructed in 1991, with a maximum capacity of 613,200 tons of slabs per year total; [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #11 is considered an existing affected source.

Bay #8 West

- (l) One (1) mechanical blaster #6, identified as EU #23, constructed in 2013, equipped with a baghouse identified as #23 for particulate matter control and exhausting through Stack # 23. EU #23 will have a maximum media throughput of 240,000 pounds per hour with a capacity of 360 linear feet of steel plate per hour. The blaster will clean scale from fabricated steel using steel shot. [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #23 is considered a new affected source.

Emission Units and Pollution Control Equipment Removed From the Source

The source has removed the following emission units:

- (a) One (1) paint booth, identified as EU #20, equipped with HVLP and/or airless applicators and dry filters for PM overspray, equipped with a natural gas-fired regenerative thermal oxidizer, identified as RTO 100, rated at 1.5 million British thermal units per hour, constructed in 2001, and exhausting through Stack #10;

- (b) One (1) mechanical blaster/blowoff, identified as EU #19, equipped with a baghouse identified as #19, exhausting through Stack #9, constructed in 2001, with a maximum capacity of 700 linear feet of steel plate per hour.
- (c) Two (2) oxy/methane cutting torches.

Insignificant Activities

The source also consists of the following insignificant activities:

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, consisting of:
 - (1) One (1) boiler, identified as EU #7, rated at 1.8 million British thermal units per hour, constructed in 1976, exhausting through Stack #7. [326 IAC 6.8-1-2(b)(3)]
 - (2) Sixty-one (61) space heaters, identified as EU #8, rated at 14.2 million British thermal units per hour total. [326 IAC 6.8-1-2(a)]
 - (3) Four (4) natural gas-fired preheat tables and torches, identified as EU #14, rated at 0.30 million British thermal units per hour each or 1.2 million British thermal units per hour total. [326 IAC 6.8-1-2(a)]
 - (4) One (1) natural gas-fired cure oven, rated at 1.4 million British thermal units per hour, constructed in 2001, and exhausted through Stack #10. [326 IAC 6.8-1-2(a)]
 - (5) One (1) natural gas-fired preheat oven, rated at 2.58 million British thermal units per hour, constructed in 2001, and exhausted through Stack #10. [326 IAC 6.8-1-2(a)]
- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6: Four (4) parts washers, identified as EU #12, capacity: 725 gallons per year, total. [326 IAC 8-3-2] [326 IAC 8-3-8]
- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.8-1-2(a)]
- (d) Any of the following structural steel and bridge fabrication activities:
 - (1) Cutting 200,000 linear feet or less of one inch (1") plate or equivalent.
 - (2) Using 80 tons or less of welding consumables. [326 IAC 6.8-1-2(a)]
- (e) Any unit emitting less than five (5) pounds per hour or twenty-five (25) pounds per day of particulate matter: Hand grinding. [326 IAC 6.8-1-2(a)]
- (f) Propane for liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.
- (g) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons. [40 CFR 63, Subpart CCCCCC]

- (h) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
- (i) The following VOC and HAP storage containers:
 - (1) VOC/HAP storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.
 - (2) Vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.
- (j) Application of oils, greases lubricants or other nonvolatile materials applied as temporary protective coatings.
- (k) Machining where an aqueous cutting coolant continuously floods the machining interface.
- (l) Cleaners and solvents characterized as follows:
 - (1) having a vapor pressure equal to or less than 2 kiloPascals; 15 millimeters of mercury; or 0.3 pounds per square inch measured at 38°C (100°F) or;
 - (2) having a vapor pressure equal to or less than 0.7 kiloPascals; 5 millimeters of mercury; or 0.1 pounds per square inch measured at 20°C (68°F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.
- (m) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches soldering equipment, welding equipment. [326 IAC 6.8-1-2(a)]
- (n) Closed loop heating and cooling systems.
- (o) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (p) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]
- (q) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (r) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (s) On-site fire and emergency response training approved by the department.
- (t) Any unit emitting less than five (5) pounds per hour or twenty-five (25) pounds per day of particulate matter: Hand grinding. [326 IAC 6.8-1-2(a)]

Building C

- (u) Two (2) solvent stills, constructed on August 1 and October 11, 2005, with capacities 3 and 7 gallons of reclaimed solvents, located in Building C.

Girder Shop

- (v) Submerged arc welding, identified as EU #17, constructed in 1994, capacity: 18.25 tons of wire per month total or 219 tons of wire per year located in the Girder Shop. [326 IAC 6.8-1-2(a)]

Existing Approvals

Since the issuance of the Part 70 Operating Permit Renewal No. T089-29933-00161 on July 11, 2011, the source has constructed or has been operating under the following additional approvals:

- (a) Significant Permit Modification No. 089-30910-00161, issued on January 17, 2012;
- (b) Significant Source Modification No. 089-32748-00161, issued on July 2, 2013; and
- (c) Significant Permit Modification No. 089-32762-00161, issued on July 19, 2013.

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 Lake County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Attainment effective February 18, 2000, for the part of the city of East Chicago bounded by Columbus Drive on the north; the Indiana Harbor Canal on the west; 148 th Street, if extended, on the south; and Euclid Avenue on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of East Chicago and Lake County.
O ₃	On June 11, 2012, the U.S. EPA designated Lake County nonattainment, for the 8-hour ozone standard. ^{1,2}
PM _{2.5}	Unclassifiable or attainment effective February 6, 2012, 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	Attainment effective March 11, 2003, for the cities of East Chicago, Hammond, Whiting, and Gary. Unclassifiable effective November 15, 1990, for the remainder of Lake County.
NO ₂	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
¹ The U. S. EPA has acknowledged in both the proposed and final rulemaking for this redesignation that the anti-backsliding provisions for the 1-hour ozone standard no longer apply as a result of the redesignation under the 8-hour ozone standard. Therefore, permits in Lake County are no longer subject to review pursuant to Emission Offset, 326 IAC 2-3 for the 1-hour standard. ² The department has filed a legal challenge to U.S. EPA's designation in 77 FR 34228.	

- (a) **Ozone Standards**
 U.S. EPA, in the Federal Register Notice 77 FR 112 dated June 11, 2012, has designated Lake County as nonattainment for ozone. On August 1, 2012, the air pollution control board issued an emergency rule adopting the U.S. EPA's designation. This rule became effective August 9, 2012. IDEM does not agree with U.S. EPA's designation of nonattainment. IDEM filed a suit against U.S. EPA in the U.S. Court of Appeals for the

DC Circuit on July 19, 2012. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's designation. 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. Therefore, VOC and NO_x emissions were evaluated pursuant to the requirements of Emission Offset, 326 IAC 2-3.

- (b) PM_{2.5}
Lake 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
Lake County has been classified as attainment or unclassifiable in Indiana for all 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 of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Unrestricted Potential Emissions	
Pollutant	Tons/year
PM	2,794
PM ₁₀	2,794
PM _{2.5}	2,794
SO ₂	0.06
NO _x	9.28
VOC	598.88
CO	7.79
Single HAP	9.14 (hexane)
Total HAP	22.86

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

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_4q18.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.

- (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 one hundred (100) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7 and will be issued a Part 70 Operating Permit Renewal.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(30)) of any single HAP is less than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(30)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, because the source met the following:

- (a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.
- (b) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a source modification application submitted by Industrial Steel Construction, Inc. on October 14, 2015, relating to the construction and operation of new emission units. The following is a list of the proposed emission units and pollution control devices:

- (a) One (1) metalizing booth, identified as EU#26, approved in 2016 for construction, with a maximum capacity of 10,220,000 ft² metal coated/year and a maximum wire usage of 5,110,000 pounds wire/year, using Baghouse #26 for particulate control, and exhausting through Stack # 26;
- (b) One (1) paint booth, identified as EU#25, approved in 2016 for construction, equipped with HVLP and/or airless applicators, with particulate emissions evacuated to general ventilation Baghouse #24, and exhausting indoors; and
- (c) One (1) hand blasting operation, identified as EU#24, approved in 2016 for construction, with particulate emissions evacuated to general ventilation Baghouse #24, and exhausting indoors. [40 CFR 63, Subpart XXXXXX]

Under 40 CFR 63, Subpart XXXXXX, EU #24 is considered a new affected source.

Industrial Steel Construction, Inc. has requested to incorporate the new emissions units and continue to limit the source-wide PM, PM₁₀, and PM_{2.5} emissions to less than two hundred fifty (250) tons per year and VOC emissions to less than one hundred (100) tons per year. Therefore,

this source will remain a minor source under 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-3 (Emission Offset).

Permit Level Determination – Part 70 Modification to an Existing Source

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit. If the control equipment has been determined to be integral, the table reflects the PTE after consideration of the integral control device.

Increase in PTE Before Controls of the Modification	
Pollutant	Potential To Emit (ton/yr)
PM	753.04
PM ₁₀	753.04
PM _{2.5}	753.04
SO ₂	-
VOC	288.22
CO	-
NO _x	-
Single HAPs	-
Total HAPs	-

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

This source modification is subject to 326 IAC 2-7-10.5(g)(4) because the potential to emit PM, PM₁₀, and PM_{2.5} is greater than twenty-five (25) tons per year before control, each.

This permit modification is considered a significant permit modification, pursuant to 326 IAC 2-7-12(d)(1), because this modification does not qualify as a minor permit modification or administrative amendment, and includes significant changes in existing monitoring Part 70 permit terms and conditions as well as significant changes to reporting or record keeping permit terms and conditions. Further, this modification requires a case-by-case determination of an emission limitation or other standard (e.g. PSD Minor limit).

For the purposes of this permitting action, the significant permit modification has been combined with the current Part 70 Operating Permit Renewal. Therefore, operation is not approved until the Part 70 Operating Permit Renewal has been issued.

The changes listed below are being incorporated into Part 70 Operating Permit Renewal No. T089-36385-00161. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any new control equipment is considered federally enforceable only after issuance of this Part 70

permit renewal, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Renewal (tons/year)								
	PM	PM ₁₀ *	PM _{2.5} **	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Mechanical blaster EU #1	7.67	7.67	7.67	-	-	-	-	-	-
Mechanical blaster 4 EU #2	2.58	2.58	2.58	-	-	-	-	-	-
Mechanical blaster 3 EU #18	2.54	2.54	2.54	-	-	-	-	-	-
Mechanical blaster 5 EU #21	8.76	8.76	8.76	-	-	-	-	-	-
Mechanical blaster 6 EU #23	6.57	6.57	6.57	-	-	-	-	-	-
Hand blasting EU #24	8.76	8.76	8.76	-	-	-	-	-	-
Electric arc stick welding EU #9	11.98	11.98	11.98	-	-	-	-	-	-
Plate sweep grinder EU #11	30.39	30.39	30.39	-	-	-	-	-	-
Slab grinders EU #11	98.60	98.60	98.60	-	-	-	-	-	-
Oxy acetylene/methane torch cutting EU #13	43.22	43.22	43.22	-	-	-	-	0.24	0.13 (manganese)
Submerged arc welding EU #17	7.95	7.95	7.95	-	-	-	-	2.43	2.43 (manganese)
Parts washers EU #12	-	-	-	-	-	2.43	-	0.005	0.005 (perc)
Paint booth EU #15	4.09	4.09	4.09	-	-	96.06	-	21.05	6.41 (hexane)
Paint booth EU #22	12.85	12.85	12.85	-	-		-		
Paint booth EU #25	0.13	0.13	0.13	-	-		-		
Metalizing booth EU #26	3.07	3.07	3.07	-	-	-	-	-	-
Natural gas combustion	0.18	0.71	0.71	0.06	9.28	0.51	7.79	0.18	0.17 (hexane)
Total PTE of Entire Source	249.33	249.85	249.85	0.06	9.28	99.00	7.79	21.05	6.58 (hexane)
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	NA	NA	250	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	NA	NA	100	100	NA	NA	NA
"-“ denotes emission unit does not emit the designated pollutant * Under the Part 70 Permit program (40 CFR 70), PM ₁₀ and PM _{2.5} , not particulate matter (PM), are each considered as a regulated air pollutant". **PM _{2.5} listed is direct PM _{2.5} .									

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 (GHG) 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.

- (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 stationary source under Emission Offset (326 IAC 2-3) because no nonattainment regulated pollutant is emitted at a rate of one hundred (100) tons per year or more.
- (c) 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

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each existing pollutant-specific emission unit that meets the following criteria:
 - (1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;
 - (2) is subject to an emission limitation or standard for that pollutant; and
 - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each existing emission unit and specified pollutant subject to CAM:

Emission Unit / Pollutant	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
EU #1 - PM ₁₀	Baghouse	Y	587	11.7	100	Y	N
EU #1 - PM	Baghouse	Y	587	11.7	100	Y	N
EU #1 - PM _{2.5}	Baghouse	Y	587	11.7	100	Y	N
EU #2 - PM ₁₀	Baghouse	Y	128	2.6	100	Y	N
EU #2 - PM	Baghouse	Y	128	2.6	100	Y	N
EU #2 - PM _{2.5}	Baghouse	Y	128	2.6	100	Y	N
EU #23 - PM ₁₀	Baghouse	Y	155.9	4.5	100	Y	N
EU #23 - PM	Baghouse	Y	155.9	4.5	100	Y	N
EU #23 - PM _{2.5}	Baghouse	Y	155.9	4.5	100	Y	N
EU #18 - PM ₁₀	Baghouse	Y	126	2.5	100	Y	N
EU #18 - PM	Baghouse	Y	126	2.5	100	Y	N
EU #18 - PM _{2.5}	Baghouse	Y	126	2.5	100	Y	N
EU #21 - PM ₁₀	Baghouse	Y	631	6.3	100	Y	N
EU #21 - PM	Baghouse	Y	631	6.3	100	Y	N
EU #21 - PM _{2.5}	Baghouse	Y	631	6.3	100	Y	N
EU #24 - PM ₁₀	Baghouse	Y	649.5	18.8	100	Y	N
EU #24 - PM	Baghouse	Y	649.5	18.8	100	Y	N
EU #24 - PM _{2.5}	Baghouse	Y	649.5	18.8	100	Y	N

Based on this evaluation, the requirements of 40 CFR Part 64, CAM, are applicable to EU #1, EU #2, EU #18, EU #21, EU #23, and EU #24 for PM, PM₁₀, and PM_{2.5} upon issuance of the Title V Renewal. A CAM plan will be incorporated into this Part 70 permit renewal.

New Source Performance Standards (NSPS)

- (b) The requirements of the New Source Performance Standards for Fossil-Fuel-Fired Steam Generators (40 CFR 60, Subpart D) are not included in this permit renewal for the 1.8 MMBtu/hr natural gas-fired boiler (EU#7) because the maximum heat input capacity of this boiler is less than 250 MMBtu/hr.
- (c) The requirements of the New Source Performance Standards for Electric Utility Steam Generating Units (40 CFR 60, Subpart Da) are not included in this permit renewal for the 1.8 MMBtu/hr natural gas-fired boiler (EU#7) because this boiler is not electric utility steam generating unit.
- (d) The requirements of the New Source Performance Standards for Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60, Subpart Db) are not included in this permit renewal for the 1.8 MMBtu/hr natural gas-fired boiler (EU#7) because the maximum heat input capacity of this boiler is less than 100 MMBtu/hr.
- (e) The requirements of the New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60, Subpart Dc) are not included in this permit renewal for the 1.8 MMBtu/hr natural gas-fired boiler (EU#7) because the maximum heat input capacity of this boiler is less than 10 MMBtu/hr.
- (f) The requirements of the New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 (40 CFR 60, Subpart K) (326 IAC 12) are not included in this permit for the gasoline fuel storage tank and petroleum fuel tank because each storage tank does not have a storage capacity greater than 151,412 liters (40,000 gallons) and they were not constructed, reconstructed or modified between the aforementioned dates.
- (g) The requirements of the New Source Performance Standard for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 (40 CFR 60, Subpart Ka) (326 IAC 12) are not included in this permit for the gasoline fuel storage tank and petroleum fuel tank because each storage tank does not have a storage capacity greater than 151,412 liters (40,000 gallons) and they were not constructed, reconstructed or modified between the aforementioned dates.
- (h) The requirements of the New Source Performance Standard for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, (40 CFR 60, Subpart Kb) are not included in this permit for the gasoline fuel storage tank and petroleum fuel tank because each storage tank does not have a storage capacity greater than 75,000 liters (19,813 gallons).
- (i) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit renewal for this source.

National Emission Standards for Hazardous Air Pollutants (NESHAPS)

- (j) This source is subject to the National Emission Standards for Hazardous Air Pollutants for Nine Metal Fabrication and Finishing Source Categories (40 CFR 63.11514, Subpart XXXXXX) because this source is primarily engaged in operations of manufacturing fabricated metal products (SIC code 3499), which is one of the nine source categories listed in 40 CFR 63.11514, and operates affected sources that uses materials that contain metal fabrication and finishing HAP (MFHAP) or that have the potential to emit MFHAP. MFHAP compounds include compounds of cadmium, chromium, lead, manganese, and nickel. 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 non-carcinogens. 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. The surface coatings applied at this source do not contain metal fabrication and finishing HAP (MFHAP). Therefore, the surface coating booths are not subject to Subpart XXXXXX.

Dry abrasive blasting affected sources: the mechanical blasters EU #1, 2, 18, 21, and 23, and hand blasting operation EU #24 are each subject the following applicable portions of the NESHAP:

- (1) 40 CFR 63.11514(a)(4)
- (2) 40 CFR 63.11514(b)(3)
- (3) 40 CFR 63.11515
- (4) 40 CFR 63.11516(a)(2)
- (5) 40 CFR 63.11516(a)(3)
- (6) 40 CFR 63.11517(a)
- (7) 40 CFR 63.11517(b)
- (8) 40 CFR 63.11519(a)
- (9) 40 CFR 63.11519(b)(1 through 5)
- (10) 40 CFR 63.11519(c)(1, 2, 13, and 15)
- (11) Table 1 to Subpart XXXXXX

Dry grinding affected sources: the plate and slab grinders EU #11 are each subject the following applicable portions of the NESHAP:

- (1) 40 CFR 63.11514(a)(4)
- (2) 40 CFR 63.11514(b)(3)
- (3) 40 CFR 63.11515
- (4) 40 CFR 63.11516(c)(1)
- (5) 40 CFR 63.11516(c)(2)
- (6) 40 CFR 63.11517(a)
- (7) 40 CFR 63.11517(b)
- (8) 40 CFR 63.11519(a)
- (9) 40 CFR 63.11519(b)(1 through 5)
- (10) 40 CFR 63.11519(c)(1, 2, 13, and 15)
- (11) Table 1 to Subpart XXXXXX

Welding affected sources: the electric arc stick welding EU #9 and submerged arc welding EU #17 are each subject the following applicable portions of the NESHAP:

- (1) 40 CFR 63.11514(a)(4)
- (2) 40 CFR 63.11514(b)(5)
- (3) 40 CFR 63.11515
- (4) 40 CFR 63.11516(f)
- (6) 40 CFR 63.11517(c)
- (7) 40 CFR 63.11517(d)
- (8) 40 CFR 63.11519(a)
- (9) 40 CFR 63.11519(b)(1 through 4, 6, 8, and 9)
- (10) 40 CFR 63.11519(c)(1, 3, 11, 12, 13, 14, and 15)
- (11) Table 1 to Subpart XXXXXX

The requirements of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated as 326 IAC 20-1, apply to the units except as otherwise specified in 40 CFR 63, Subpart XXXXXX.

- (k) This source is subject to the National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities (40 CFR Part 63, Subpart CCCCCC) because the source operates at least one (1) gasoline dispensing facility that is located at, or is part of, an area source of HAP. The one (1) gasoline storage tank, a gasoline dispensing facility, was constructed prior to November 9, 2006. Therefore, the one (1) gasoline storage tank is considered an existing affected source under Subpart CCCCCC. The applicable requirements of Subpart CCCCCC for the existing gas dispensing facility were not included in the last permit renewal action. This is a Title I change.

The one (1) gasoline storage tank is subject to the following portions of 40 CFR 63, Subpart CCCCCC (nonapplicable portions of the NESHAP will not be included in the permit):

- (1) 40 CFR 63.11111(a), (b), (e), and (j)
- (2) 40 CFR 63.11112(a) and (d)
- (3) 40 CFR 63.11113(b) and (c)
- (4) 40 CFR 63.11115
- (5) 40 CFR 63.11116
- (6) 40 CFR 63.11131
- (7) 40 CFR 63.11132

Pursuant to 40 CFR 63.11113(b), the Permittee must comply with the standards in Subpart CCCCCC no later than January 10, 2011.

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

- (l) The requirements of the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources (40 CFR 63, Subpart JJJJJJ) are not included in this permit renewal because, pursuant to 40 CFR 63.11195(e), the 1.8 MMBtu/hr natural gas-fired boiler (EU#7) is exempt from the requirements of subpart JJJJJJ.
- (m) The requirements of National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14 and 40 CFR 63 Subpart T) are not included in this permit renewal. 40 CFR 63 Subpart T does not apply to the parts washers EU #12 because they do not use any solvent containing methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride or chloroform or any combination of these halogenated HAP solvents, in a total concentration greater than five (5) percent by weight, as a cleaning and/or drying agent.
- (n) 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) are not included in this permit renewal because the source is not a major source of HAP and does not apply surface coatings to metal parts or products, as defined in 40 CFR 63.3881.
- (o) The requirements of the National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources (40 CFR 63, Subpart HHHHHH) are not included in this permit renewal because the source does not spray apply coatings containing compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd), collectively referred to as the target HAP to any part or product made of metal.

State Rule Applicability - Entire Source

326 IAC 1-6-3 (Preventive Maintenance Plan)
 The source is subject to 326 IAC 1-6-3.

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

- (a) The PM, PM₁₀, and PM_{2.5} emissions from the following processes shall not exceed the emission limits listed in the table below:

Process	Baghouse ID	PM Emission Limit (lbs/hr)	PM ₁₀ Emission Limit (lbs/hr)	PM _{2.5} Emission Limit (lbs/hr)
Mechanical Blaster #1 (EU #1)	Baghouse #1	1.75	1.75	1.75
Mechanical Blaster #4 (EU#2)	Baghouse #2	0.59	0.59	0.59
Mechanical Blaster #3 (EU #18)	Baghouse #18	0.58	0.58	0.58
Mechanical Blaster #5 (EU #21)	Baghouse #21	2.00	2.00	2.00
Mechanical Blaster #6 (EU #23)	Baghouse #23	1.50	1.50	1.50
Hand Blasting Operation (EU #24)	Baghouse #24	2.00	2.00	2.00
Metalizing Booth (EU #26)	Baghouse #26	0.70	0.70	0.70

- (b) The amount of steel slab from the three (3) slab grinders, identified as EU #11, to be ground shall be less than 200,000 tons per twelve (12) consecutive month period with compliance determined at the end of the month.
- (c) The PM emissions shall not exceed 0.0493 percent of steel slabs. Compliance with this limit combined with Condition D.1.1(b) will limit the PM emissions from the steel slab to be less than 98.6 tons per twelve (12) consecutive month period.
- (d) The PM₁₀ emissions shall not exceed 0.0493 percent of steel slabs. Compliance with this limit combined with Condition D.1.1(b) will limit the PM₁₀ emissions from the steel slab to be less than 98.6 tons per twelve (12) consecutive month period.
- (e) The PM_{2.5} emissions shall not exceed 0.0493 percent of steel slabs. Compliance with this limit combined with Condition D.1.1(b) will limit the PM_{2.5} emissions from the steel slab to be less than 98.6 tons per twelve (12) consecutive month period.

Compliance with these limits combined with the potential to emit PM, PM₁₀, and PM_{2.5} from all other emission units at this source, shall limit the source-wide total potential to emit of PM, PM₁₀, and PM_{2.5} to less than two hundred fifty (250) tons per twelve (12) consecutive month period, each, and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

326 IAC 2-3 (Emission Offset)

The source has requested to limit the combined VOC emissions from the three (3) paint booths, in order to render the requirements of 326 IAC 2-3 not applicable. In order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable, the source shall comply with the following:

- (1) The total VOC input, including coatings and solvent used for dilution and clean-up to the paint booths, identified as EU #15, EU #22, and EU #25, shall be limited such that the VOC emissions shall not exceed 96.06 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this limit will be determined using the following equation:

$$\text{Total VOC Emissions} = [(\text{VOC Input EU \#15})] + [(\text{VOC Input EU \#22})] + [(\text{VOC Input EU \#25})]$$

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 of VOC to less than one hundred (100) tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-3 (Emission Offset) not applicable.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The operation of this entire source will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting) because it is located in Lake County and its emissions of VOC are greater than twenty-five (25) tons per year. Therefore, pursuant to 326 IAC 2-6-3(a)(1), annual reporting is required. An emission statement shall be submitted by July 1, 2016, and every year thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 2-7-6(5) (Annual Compliance Certification)

The U.S. EPA Federal Register 79 FR 54978 notice does not exempt Title V Permittees from the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D), but the submittal of the Title V annual compliance certification to IDEM satisfies the requirement to submit the Title V annual compliance certifications to EPA. IDEM does not intend to revise any permits since the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D) still apply, but Permittees can note on their Title V annual compliance certification that submission to IDEM has satisfied reporting to EPA per Federal Register 79 FR 54978. This only applies to Title V Permittees and Title V compliance certifications.

326 IAC 5-1 (Opacity Limitations)

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

326 IAC 6-4 (Fugitive Dust Emissions)

This source is subject to 326 IAC 6-4 for fugitive dust emissions. Pursuant to this rule, fugitive particulate matter emissions shall not be visible crossing the property lines.

326 IAC 6.8-10 (Lake County Fugitive Particulate Matter)

This source is not subject to 326 IAC 6.8-10 for fugitive dust control requirements because the source does not have facilities or operations that have the potential to emit five (5) tons per year of fugitive particulate matter into the atmosphere in Lake County.

<p>State Rule Applicability – Abrasive Blasters (EU #1, 2, 18, 21, and 24) and Metalizing Booth (EU #26)</p>

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

The requirements of 326 IAC 6-3-2 are not applicable to the abrasive blasters (EU #1, 2, 18, 21, and 24) or the metalizing booth (EU #26) because they are subject to a more stringent particulate matter limit under 326 IAC 6.8 (Particulate Matter Limitations For Lake County).

326 IAC 6.8 (Particulate Matter Limitations for Lake County)

The source is located in Lake County but none of its facilities are specifically listed in 326 IAC 6.8-4, 326 IAC 6.8-5, or 326 IAC 6.8-8 through 326 IAC 6.8-11. The potential to emit particulate matter for this entire source is more than one hundred (100) tons per year and actual particulate emissions are more than ten (10) tons per year. Therefore, each of the abrasive blasters (EU #1, 2, 18, 21, and 24) and metalizing booth (EU #26) is subject to 326 IAC 6.8-1-2. Pursuant to 326 IAC 6.8-1-2(a), particulate matter emissions from each of the abrasive blasters (EU #1, 2, 18, 21, and 24) and metalizing booth (EU #26) shall not be greater than three-hundredths (0.03) grain per dry standard cubic foot (dscf).

State Rule Applicability - Natural Gas-Fired Boiler (EU #7)

326 IAC 6.8 (Particulate Matter Limitations for Lake County)

The source is located in Lake County but none of its facilities are specifically listed in 326 IAC 6.8-4, 326 IAC 6.8-5, or 326 IAC 6.8-8 through 326 IAC 6.8-11. The potential to emit particulate matter for this entire source is more than one hundred (100) tons per year and actual particulate emissions are more than ten (10) tons per year. Therefore, the one (1) 1.8 MMBtu/hr natural gas-fired boiler (EU #7) is subject to 326 IAC 6.8-1-2. Pursuant to 326 IAC 6.8-1-2(b)(3), particulate matter emissions from the one (1) 1.8 MMBtu/hr natural gas-fired boiler (EU #7) shall not be greater than one-hundredth (0.01) grain per dry standard cubic foot (dscf).

326 IAC 7-1.1 Sulfur Dioxide Emission Limitations

The one (1) 1.8 MMBtu/hr natural gas-fired boiler (EU #7) is not subject to 326 IAC 326 IAC 7-1.1 because its SO₂ PTE is less than twenty-five (25) tons/year or ten (10) pounds/hour.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)

The one (1) 1.8 MMBtu/hr natural gas-fired boiler (EU #7) is not subject to the requirements of 326 IAC 8-1-6 because it has unlimited VOC potential emissions of less than twenty-five (25) tons per year.

State Rule Applicability - Natural Gas-Fired Operations

One (1) natural gas-fired cure oven, rated at 1.4 million British thermal units per hour; four (4) natural gas-fired preheat tables and torches, identified as EU #14, rated at 0.30 million British thermal units per hour each or 1.2 million British thermal units per hour total; one (1) natural gas-fired preheat oven, rated at 2.58 million British thermal units per hour, constructed in 2001, and exhausted through Stack #10; and sixty-one (61) space heaters, identified as EU #8, rated at 14.2 million British thermal units per hour total.

326 IAC 6.8 (Particulate Matter Limitations for Lake County)

The source is located in Lake County but none of its facilities are specifically listed in 326 IAC 6.8-4, 326 IAC 6.8-5, or 326 IAC 6.8-8 through 326 IAC 6.8-11. The potential to emit particulate matter for this entire source is more than one hundred (100) tons per year and actual particulate emissions are more than ten (10) tons per year. Therefore, each of the natural gas-fired combustion facilities listed above is subject to 326 IAC 6.8-1-2. Pursuant to 326 IAC 6.8-1-2(a), particulate matter emissions from each of the natural gas-fired combustion facilities listed in this section above shall not be greater than three-hundredths (0.03) grain per dry standard cubic foot (dscf).

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

Each of the natural gas-fired combustion facilities listed above do not have the potential to emit greater than twenty-five (25) tons of SO₂ per year or ten (10) pounds of SO₂ per hour. Therefore, each of the natural gas-fired combustion facilities listed above is not subject to the requirements of 326 IAC 7-1.1.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)

Each of the natural gas-fired combustion facilities listed above are not subject to the requirements of 326 IAC 8-1-6, because each facility has unlimited VOC potential emissions of less than twenty-five (25) tons per year.

State Rule Applicability - Degreasing Operations (EU #12)
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326 IAC 8-3-2 (Cold cleaner degreaser control equipment and operating requirements)

The cold cleaner degreasing operation (EU #12) was constructed after July 1, 1990 and is not equipped with a remote solvent reservoir. Therefore, this operation is subject to the requirements of 326 IAC 8-3-2.

- (a) Pursuant to 326 IAC 8-3-2(a), the owner or operator of a cold cleaner degreaser shall ensure the following control equipment and operating requirements are met:
- (1) Equip the degreaser with a cover.
 - (2) Equip the degreaser with a device for draining cleaned parts.
 - (3) Close the degreaser cover whenever parts are not being handled in the degreaser.
 - (4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases.
 - (5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).
 - (6) Store waste solvent only in closed containers.
 - (7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.
- (b) Pursuant to 326 IAC 8-3-2(b), the owner or operator of a cold cleaner degreaser subject to this subsection shall ensure the following additional control equipment and operating requirements are met:
- (1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent used is insoluble in, and heavier than, water.
 - (C) A refrigerated chiller.
 - (D) Carbon adsorption.
 - (E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.
 - (2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.

- (3) If used, solvent spray:
 - (A) must be a solid, fluid stream; and
 - (B) shall be applied at a pressure that does not cause excessive splashing.

326 IAC 8-3-8 (Material Requirements for cold cleaner degreasers)

326 IAC 8-3-8 applies to any person who sells, offers for sale, uses, or manufacturers solvent for use in cold cleaner degreasers before January 1, 2015, in Clark, Floyd, Lake or Porter Counties or on and after January 1, 2015, anywhere in the state. This source is located in a Lake County and uses an organic solvent in its cold cleaner degreasers. Therefore, the degreasing operation, identified as EU#12, is subject to the requirements of 326 IAC 8-3-8.

- (a) Material requirements are as follows:
 - (1) No person shall operate a cold cleaner degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).
- (b) Record keeping requirements are as follows:
 - (1) All persons subject to the requirements of subsection (a)(1) shall maintain each of the following records for each purchase:
 - (A) The name and address of the solvent supplier.
 - (B) The date of purchase (or invoice/bill date of contract servicer indicating service date).
 - (C) The type of solvent purchased.
 - (D) The total volume of the solvent purchased.
 - (E) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty eight (68) degrees Fahrenheit).
- (c) All records required by subsection (b) shall be:
 - (1) retained on-site or accessible electronically from the site for the most recent three (3) year period; and
 - (2) reasonably accessible for an additional two (2) year period.

State Rule Applicability - Surface Coating Operations (EU #15, EU #22, EU #25)

326 IAC 6.8 (Particulate Matter Limitations for Lake County)

The source is located in Lake County but none of its facilities are specifically listed in 326 IAC 6.8-4, 326 IAC 6.8-5, or 326 IAC 6.8-8 through 326 IAC 6.8-11. The potential to emit particulate matter for this entire source is more than one hundred (100) tons per year or actual particulate emissions are more than ten (10) tons per year. Therefore, each of the surface coating facilities is subject to 326 IAC 6.8-1-2. Pursuant to 326 IAC 6.8-1-2(h), surface coating facilities shall be controlled by a dry particulate filter, waterwash, or an equivalent control device. The source shall operate the control device in accordance with manufacturer's specifications

326 IAC 8-2-9 (Miscellaneous metal and plastic parts coating operation)

- (a) Pursuant to 326 IAC 8-2-1(a)(5), the paint booth, identified as EU #15, is subject to 326 IAC 8-2-9 because it is located in Lake County, has actual before control VOC emissions greater than fifteen (15) pounds per day and it coats metal parts.

Pursuant to 326 IAC 8-2-9(a)(2)(F), sources located in Lake County shall comply with 326 IAC 8-2-9(d) and (f) for the metal surface coating of fabricated metal products.

- (1) Pursuant to 326 IAC 8-2-9(d)(1)(A), on or after April 1, 2011, the owner or operator engaged in the surface coating of miscellaneous metal or plastic parts and products in which the total actual VOC emissions from all miscellaneous metal or plastic parts or products coating operations, including related cleaning activities, are equal to or exceed fifteen (15) pounds per day, before add-on controls, located in Lake County or Porter County, shall comply with the VOC limits based on low VOC coatings as follows:
- (A) For extreme performance coatings the volatile organic compound (VOC) content of the as applied coating delivered to the applicator at the paint booth and of the cleanup solvents shall be less than 3.5 pounds of VOC per gallon of coating, excluding water.

Currently, all coatings used in paint booth EU #15 are compliant extreme performance coatings and the coatings are air dried. The source continues to require the flexibility to use a wide variety of paints containing various concentrations of VOCs in order to meet customer specifications. Therefore, pursuant to 326 IAC 8-1-2(a)(7), the source has requested to continue to be able to use daily volume weighted averaging to show compliance when using non-compliant coatings.

When non-compliant coatings are used the daily volume weighted average shall be determined using the following equation:

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

Where:

A is the volume weighted average in pounds VOC per gallon less water as applied;
C is the VOC content of the coating in pounds VOC per gallon less water as applied;
and U is the usage rate of the coating in gallons per day.

- (2) Pursuant to 326 IAC 8-2-9(d)(2), one (1) or a combination of the following equipment shall be used for coating application in EU #15:

Electrostatic equipment
High volume low-pressure (HVLP) spray equipment
Flow coating
Roller coating
Dip coating, including electrodeposition
Airless spray
Air-assisted airless spray
Other coating application method capable of achieving a transfer efficiency equivalent or better than achieved by HVLP spraying

This booth currently uses airless spray equipment.

- (b) Pursuant to 326 IAC 8-2-1(a)(5), the paint booth, identified as EU #22, is subject to 326 IAC 8-2-9 because it is located in Lake County, has actual before control VOC emissions greater than fifteen (15) pounds per day and it coats metal parts.

Pursuant to 326 IAC 8-2-9(a)(2)(F), sources located in Lake County shall comply with 326 IAC 8-2-9(d) and (f) for the metal surface coating of fabricated metal products.

- (1) Pursuant to 326 IAC 8-2-9(d)(1)(A), on or after April 1, 2011, the owner or operator engaged in the surface coating of miscellaneous metal or plastic parts and products in which the total actual VOC emissions from all miscellaneous metal or plastic parts or products coating operations, including related cleaning activities, are equal to or exceed fifteen (15) pounds per day, before add-on controls, located in Lake County or Porter County, shall comply with the VOC limits based on low VOC coatings as follows:
- (A) For extreme performance coatings the volatile organic compound (VOC) content of the as applied coating delivered to the applicator at the paint booth and of the cleanup solvents shall be less than 3.5 pounds of VOC per gallon of coating, excluding water.

Currently, all coatings used in paint booth EU #22 are compliant extreme performance coatings and the coatings are air dried. The source continues to require the flexibility to use a wide variety of paints containing various concentrations of VOCs in order to meet customer specifications. Therefore, pursuant to 326 IAC 8-1-2(a)(7), the source has requested to continue to be able to use daily volume weighted averaging to show compliance when using non-compliant coatings.

When non-compliant coatings are used the daily volume weighted average shall be determined using the following equation:

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

Where:

A is the volume weighted average in pounds VOC per gallon less water as applied;
C is the VOC content of the coating in pounds VOC per gallon less water as applied;
and U is the usage rate of the coating in gallons per day.

- (2) Pursuant to 326 IAC 8-2-9(d)(2), one (1) or a combination of the following equipment shall be used for coating application in EU #22:

Electrostatic equipment
High volume low-pressure (HVLP) spray equipment
Flow coating
Roller coating
Dip coating, including electrodeposition
Airless spray
Air-assisted airless spray
Other coating application method capable of achieving a transfer efficiency equivalent or better than achieved by HVLP spraying

This booth currently uses airless spray equipment.

- (c) Pursuant to 326 IAC 8-2-1(a)(5), the paint booth, identified as EU #25, is subject to 326 IAC 8-2-9 because it is located in Lake County, has actual before control VOC emissions greater than fifteen (15) pounds per day and it coats metal parts.

Pursuant to 326 IAC 8-2-9(a)(2)(F), sources located in Lake County shall comply with 326 IAC 8-2-9(d) and (f) for the metal surface coating of fabricated metal products.

(1) Pursuant to 326 IAC 8-2-9(d)(1)(A), on or after April 1, 2011, the owner or operator engaged in the surface coating of miscellaneous metal or plastic parts and products in which the total actual VOC emissions from all miscellaneous metal or plastic parts or products coating operations, including related cleaning activities, are equal to or exceed fifteen (15) pounds per day, before add-on controls, located in Lake County or Porter County, shall comply with the VOC limits based on low VOC coatings as follows:

(A) For extreme performance coatings the volatile organic compound (VOC) content of the as applied coating delivered to the applicator at the paint booth and of the cleanup solvents shall be less than 3.5 pounds of VOC per gallon of coating, excluding water.

Currently, all coatings used in paint booth EU #25 are compliant extreme performance coatings and the coatings are air dried. The source continues to require the flexibility to use a wide variety of paints containing various concentrations of VOCs in order to meet customer specifications. Therefore, pursuant to 326 IAC 8-1-2(a)(7), the source has requested to continue to be able to use daily volume weighted averaging to show compliance when using non-compliant coatings.

When non-compliant coatings are used the daily volume weighted average shall be determined using the following equation:

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

Where:

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

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

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

(2) Pursuant to 326 IAC 8-2-9(d)(2), one (1) or a combination of the following equipment shall be used for coating application in EU #25:

Electrostatic equipment

High volume low-pressure (HVLP) spray equipment

Flow coating

Roller coating

Dip coating, including electrodeposition

Airless spray

Air-assisted airless spray

Other coating application method capable of achieving a transfer efficiency equivalent or better than achieved by HVLP spraying

This booth currently uses airless spray equipment.

(d) Paint booths EU#15, EU#22, EU#25;
Pursuant to 326 IAC 8-2-9(d)(3), an owner or operator may achieve compliance by using a capture and control device that achieves a minimum overall VOC control efficiency of ninety percent (90%) instead of using use low VOC coatings and application methods specified under 326 IAC 8-2-9(d)(2). The required overall add-on control efficiency, when

combining add-on control with low VOC coatings, must be determined using 326 IAC 8-1-2(c).

- (e) Paint booths EU#15, EU#22, EU#25;
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 limited to, the following:
- (i) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
 - (ii) 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.
 - (iii) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
 - (iv) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one (1) location to another in closed containers or pipes.
 - (v) 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.
- (f) Paint booths EU#15, EU#22, EU#25;
Paint booths EU #15, EU#22, and EU #25 are separate facilities under 326 IAC 8-2. Therefore, the source can only use daily averaging for coatings used within a facility. A source cannot include in a daily average coatings used in another facility.

State Rule Applicability - Electric Arc Stick Welding (EU #9), Submerged Arc Welding (EU #17), and Oxy Acetylene/Methane Torch Cutting (EU #13)

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

The requirements of 326 IAC 6-3-2 are not applicable to the electric arc stick welding (EU #9), submerged arc welding (EU #17) or the oxy acetylene/methane torch cutting (EU #13) because they are subject to a more stringent particulate matter limit under 326 IAC 6.8 (Particulate Matter Limitations For Lake County).

326 IAC 6.8 (Particulate Matter Limitations for Lake County)

The source is located in Lake County but none of its facilities are specifically listed in 326 IAC 6.8-4, 326 IAC 6.8-5, or 326 IAC 6.8-8 through 326 IAC 6.8-11. The potential to emit particulate matter for this entire source is more than one hundred (100) tons per year and actual particulate emissions are more than ten (10) tons per year. Therefore, each electric arc stick welding station (EU #9), submerged arc welding station (EU #17), and oxy acetylene/methane cutting torch (EU #13) is subject to 326 IAC 6.8-1-2. Pursuant to 326 IAC 6.8-1-2(a), particulate matter emissions from each electric arc stick welding station (EU #9), submerged arc welding station (EU #17), and oxy acetylene/methane cutting torch (EU #13) shall not be greater than three-hundredths (0.03) grain per dry standard cubic foot (dscf).

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the

requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. 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 monitoring requirements applicable to this modification are as follows:

Control	Parameter	Frequency	Range	Excursions and Exceedances
Baghouse #1	Water Pressure Drop	Daily	2 to 6 inches	Response Steps
	Visible Emissions		Normal-Abnormal	
Baghouse #2	Water Pressure Drop	Daily	1 to 8 inches	Response Steps
	Visible Emissions		Normal-Abnormal	
Baghouse #18	Water Pressure Drop	Daily	1 to 5 inches	Response Steps
	Visible Emissions		Normal-Abnormal	
Baghouse #21	Water Pressure Drop	Daily	1 to 5 inches	Response Steps
	Visible Emissions		Normal-Abnormal	
Baghouse #23	Water Pressure Drop	Daily	1 to 8 inches	Response Steps
	Visible Emissions		Normal-Abnormal	
Baghouse #24	Water Pressure Drop	Daily	1 to 5 inches	Response Steps
	Visible Emissions*		Normal-Abnormal	
Baghouse #26	Water Pressure Drop	Daily	1 to 5 inches	Response Steps
	Visible Emissions		Normal-Abnormal	

*The emissions from Baghouse #24 exhaust to general ventilation in the building rather than ceiling stacks or vents. Therefore, the source is not required to perform rooftop and nearby ground overspray observations.

These compliance monitoring requirements are necessary because the baghouses for the abrasive blasting operations must operate properly to ensure compliance with 326 IAC 2-2 (PSD) minor limits, 326 IAC 6.8-1-2 (Particulate Matter Limitations For Lake County), and 40 CFR 64 (CAM).

(b) The testing requirements applicable to this modification are as follows:

Testing Requirements				
Emission Unit	Control Device	Pollutant	Timeframe for Testing	Frequency of Testing
Mechanical Blasters (EU #1, EU#2, EU #18, EU #21, and EU #23)	Baghouse #1, #2, #18, #21, and #23	PM, PM ₁₀ , & PM _{2.5}	No later than five (5) years from the most recent valid compliance determination	Once every five (5) years*

Testing Requirements				
Emission Unit	Control Device	Pollutant	Timeframe for Testing	Frequency of Testing
Hand Blasting (EU #24) Metalizing Booth (EU #26)	Baghouses #24 and #26	PM, PM ₁₀ , & PM _{2.5}	Not later than 60 days after achieving maximum capacity, but no later than 180 days after initial startup	Once every five (5) years

*The current permit only requires the source to test one of the abrasive blasters EU #1, #2, #18, #21, and #23 once every five (5) years. These tests shall be repeated on a different blaster and associated control device at least once every five (5) years from the date of the most recent valid compliance demonstration. The blaster tested shall be the blaster in which the longest amount of time has elapsed since its previous test.

These testing requirements are necessary because the baghouses for the abrasive blasting operations and metalizing surface coating must operate properly to ensure compliance with 326 IAC 2-2 (PSD) minor limits, 326 IAC 6.8-1-2 (Particulate Matter Limitations For Lake County), and 40 CFR 64 (CAM).

Recommendation

The staff recommends to the Commissioner that the Part 70 Operating Permit Renewal be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on October 14, 2015. Additional information was received on November 24, 2015.

Conclusion

The operation of this stationary miscellaneous metal working and bridge beam fabrication source shall be subject to the conditions of the attached Part 70 Operating Permit Renewal No. T089-36385-00161.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Donald McQuigg at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-4240 or toll free at 1-800-451-6027 extension 4-4240.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A: Emissions Calculations
Emissions Summary**

Source Name: Industrial Steel Construction, Inc
Source Location: 86 North Bridge Street, Gary, IN 46404
Part 70 Operating Permit Renewal Number: T089-36385-00161
Significant Source Modification Number: 089-36435-00161
Permit Reviewer: Donald McQuigg
Date: October 14, 2015

Uncontrolled Potential Emissions (tons/year)										
Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NOx	VOC	CO	Single HAP		Total HAPs
Mechanical Blaster EU #1	586.79	586.79	586.79	-	-	-	-	-	-	-
Mechanical Blaster 4 EU #2	128.36	128.36	128.36	-	-	-	-	-	-	-
Blaster 3 EU #18	126.14	126.14	126.14	-	-	-	-	-	-	-
Mechanical Blaster 5 EU #21	630.72	630.72	630.72	-	-	-	-	-	-	-
Mechanical Blaster 6 EU #23	155.88	155.88	155.88	-	-	-	-	-	-	-
Hand Blasting EU #24	649.49	649.49	649.49	-	-	-	-	-	-	-
Electric Arc Stick welding EU #9	11.98	11.98	11.98	-	-	-	-	-	-	-
Plate Sweep Grinder EU #11	30.39	30.39	30.39	-	-	-	-	-	-	-
Slab Grinders EU #11	302.31	302.31	302.31	-	-	-	-	-	-	-
Oxy Acetylene/Methane Cutting EU#13	43.22	43.22	43.22	-	-	-	-	0.13	manganese	0.24
Submerged Arc welding EU #17	7.95	7.95	7.95	-	-	-	-	2.43	manganese	2.43
Part Washers EU #12	-	-	-	-	-	2.43	-	0.005	perc	0.005
Paint Booth EU #15	4.09	4.09	4.09	-	-	19.50	-	-	-	-
Paint Booth EU #22	12.85	12.85	12.85	-	-	288.22	-	6.41	hexane	20.01
Paint Booth EU #25	12.85	12.85	12.85	-	-	288.22	-	-	-	-
Metalizing Booth EU #26	90.70	90.70	90.70	-	-	-	-	-	-	-
Natural Gas Combustion	0.18	0.71	0.71	0.06	9.28	0.51	7.79	0.17	hexane	0.18
Total Emissions	2,794	2,794	2,794	0.06	9.28	598.88	7.79	9.14	hexane	22.86

Limited/Controlled Potential Emissions (tons/year)										
Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NOx	VOC	CO	Single HAP		Total HAPs
Mechanical Blaster EU #1	7.67	7.67	7.67	-	-	-	-	-	-	-
Mechanical Blaster 4 EU #2	2.58	2.58	2.58	-	-	-	-	-	-	-
Blaster 3 EU #18	2.54	2.54	2.54	-	-	-	-	-	-	-
Mechanical Blaster 5 EU #21	8.76	8.76	8.76	-	-	-	-	-	-	-
Mechanical Blaster 6 EU #23	6.57	6.57	6.57	-	-	-	-	-	-	-
Hand Blasting EU #24	8.76	8.76	8.76	-	-	-	-	-	-	-
Electric Arc Stick welding EU #9	11.98	11.98	11.98	-	-	-	-	-	-	-
Plate Sweep Grinder EU #11	30.39	30.39	30.39	-	-	-	-	-	-	-
Slab Grinders EU #11	98.60	98.60	98.60	-	-	-	-	-	-	-
Oxy Acetylene/Methane Cutting EU#13	43.22	43.22	43.22	-	-	-	-	0.13	manganese	0.24
Submerged Arc welding EU #17	7.95	7.95	7.95	-	-	-	-	2.43	manganese	2.43
Part Washers EU #12	-	-	-	-	-	2.43	-	0.005	perc	0.005
Paint Booth EU #15	4.09	4.09	4.09	-	-	-	-	-	-	-
Paint Booth EU #22	12.85	12.85	12.85	-	-	96.06	-	6.41	hexane	20.01
Paint Booth EU #25	0.13	0.13	0.13	-	-	-	-	-	-	-
Metalizing Booth EU #26	3.07	3.07	3.07	-	-	-	-	-	-	-
Natural Gas Combustion	0.18	0.71	0.71	0.06	9.28	0.51	7.79	0.17	hexane	0.18
Total Emissions	249.33	249.85	249.85	0.06	9.28	99.00	7.79	6.58	hexane	22.86

**Appendix A: Emissions Calculations
PTE of Source Modification**

Source Name: Industrial Steel Construction, Inc
Source Location: 86 North Bridge Street, Gary, IN 46404
Part 70 Operating Permit Renewal Number: T089-36385-00161
Significant Source Modification Number: 089-36435-00161
Permit Reviewer: Donald McQuigg
Date: October 14, 2015

Emission Unit	Max Rate (ft ² metal/yr)	Wire Usage Rate (lb wire/ ft ² metal)	Emission Factor ⁽¹⁾ (lb PM / lb wire)	Baghouse Control Efficiency	Uncontrolled PTE (tons/yr)			Controlled PTE (tons/yr)		
					PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
EU #26	1.022E+07	0.5	0.0355	98%	90.70	90.70	90.70	1.81	1.81	1.81

⁽¹⁾ Provided by the source.

Methodology:

Uncontrolled Particulate PTE (tons/yr) = Max Rate (ft² metal/yr) * Wire Usage Rate (lb wire/ft² metal) * Emission Factor (lb PM/lb wire) * (1 ton/2000 lbs)

Controlled Particulate PTE (tons/yr) = Max Rate (ft² metal/yr) * Wire Usage Rate (lb wire/ft² metal) * Emission Factor (lb PM/lb wire) * (1-Control Efficiency) * (1 ton/2000 lbs)

Assumes PM₁₀ = PM_{2.5} = PM

2. Metalizing Surface Coating Operation (EU #26): PSD Minor Limits

Controlled PTE (tons/yr)			Limited PTE (lbs/hr)			Limited PTE (tons/yr)		
PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
1.81	1.81	1.81	0.70	0.70	0.70	3.07	3.07	3.07

3. Metal Surface Coating Operation (EU#25), Bay 10

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum Rate (unit/hr)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC (lb/hr)	Potential VOC (ton/yr)	Particulate Potential Uncontrolled (ton/yr)	Particulate Potential Controlled (ton/yr)	Transfer Efficiency
EU #25 Paint	7.40	47.3%	0%	47.3%	0%	0%	18.800	1	3.50	3.50	65.80	288.22	12.85	0.13	96%

¹ The high transfer efficiency is for hand spraying of large parts.

Particulate control efficiency =

Methodology:

Particulate Potential (tons/yr) = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer Efficiency) * (8760 hrs/yr) * (1 ton/2000 lbs)

Potential VOC (tons/yr) = (pounds VOC/ Gallon coating) * (gal. of Material/unit) * Max. units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)

Controlled Emissions (ton/yr) = Uncontrolled Potential to Emit (ton/yr) * (1 - Control Efficiency)

4. Hand Blasting Operation (EU#24), Bay 10

Unit ID	Inlet Grain Loading (gr/scf)*	Outlet Grain Loading** (gr/scf)	Air flow rate (scfm)	Control Efficiency	Uncontrolled PM PTE (lb/hr)	Uncontrolled PM PTE (tons/yr)	Controlled PM PTE (lb/hr)	Controlled PM PTE (tons/yr)	Limited PM PTE (lb/hr)	Limited PM PTE (tons/yr)
EU#24	0.346	0.01	50,000	99.00%	148.29	649.49	4.29	18.77	2.00	8.76

Methodology:

* Based on manufacturer inlet loading rate calculations

** Outlet grain loading guarantee

Uncontrolled Particulate PTE (lb/hr) = Inlet Grain Loading (gr/scf) * Air flow rate (scfm) * 60 (min/hr) * 1/7,000 (lb/gr)

Controlled Particulate PTE (lb/hr) = Outlet Grain Loading (gr/scf) * Air flow rate (scfm) * 60 (min/hr) * 1/7,000 (lb/gr)

Uncontrolled/Controlled PTE (tons/yr) = Uncontrolled/Controlled Particulate PTE * 8,760 (hr/yr) * 1/2,000 (ton/lb)

Assumes PM₁₀ = PM_{2.5} = PM

5. Total Uncontrolled PTE of Modification

Uncontrolled PTE of Modification (tons/year)								
PM	PM ₁₀	PM _{2.5}	SO ₂	NOx	VOC	CO	Total HAPs	Highest Single HAP
753.04	753.04	753.04	-	-	288.22	-	-	-

Appendix A: Emissions Calculations

Potential Particulate Emission from Abrasive Blasters (EU #1, #2, #18, #21, #23)

Source Name: Industrial Steel Construction, Inc

Source Location: 86 North Bridge Street, Gary, IN 46404

Part 70 Operating Permit Renewal Number: T089-36385-00161

Significant Source Modification Number: 089-36435-00161

Permit Reviewer: Donald McQuigg

Date: October 14, 2015

Potential To Emit PM/PM10/PM2.5					Controlled	326 IAC 2-2	Limited	
Unit ID/Emission Unit		Outlet Grain Loading (gr/dscf)	Air Flow (dscf/min)	Control Efficiency %	PTE (ton/yr)*	ton/yr	lb/hr	ton/yr
EU #1	Blaster 1	0.02	15,630	98%	587	11.74	1.75	7.67
EU #2	Blaster 4	0.02	3,419	98%	128	2.57	0.59	2.58
EU #18	Blaster 3	0.006	11,200	98%	126	2.52	0.58	2.54
EU #21	Blaster 5	0.0056	30,000	99%	631	6.31	2.00	8.76
Total					1,472			

Methodology

PTE (ton/year) = Grain Loading (gr/dscf) * Air Flow (dscf/min) * 60 minutes/hr * 1lb/7000 grains * 8760 hour/yr * 1 ton/2000 lb / (1-CE%/100)

Unit ID	Inlet Grain Loading (gr/scf)*	Outlet Grain Loading** (gr/scf)	Air flow rate (scfm)	Capture Efficiency	Control Efficiency	Uncontrolled Particulate PTE (lb/hr)	Uncontrolled Particulate PTE (tons/yr)	Controlled Particulate PTE (lb/hr)	Controlled Particulate PTE (tons/yr)	Limited Particulate PTE (lb/hr)	Limited Particulate PTE (tons/yr)
Blaster 6 EU #23	0.346	0.01	12,000	100.00%	99.80%	35.59	155.88	1.03	4.51	1.50	6.57

Methodology

* Based on manufacturer inlet loading rate calculations

** Outlet grain loading guarantee

Uncontrolled Particulate PTE (lb/hr) = Inlet Grain Loading (gr/scf) * Air flow rate (scfm) * 60 (min/hr) * 1/7,000 (lb/gr)

Controlled Particulate PTE (lb/hr) = Outlet Grain Loading (gr/scf) * Air flow rate (scfm) * 60 (min/hr) * 1/7,000 (lb/gr)

Uncontrolled/Controlled PTE (tons/yr) = Uncontrolled/Controlled Particulate PTE * 8,760 (hr/yr) * 1/2,000 (ton/lb)

Assumes PM10 and PM2.5 = PM

Appendix A: Emissions Calculations
Potential Particulate Emission from Hand Blasting Operation EU #24

Source Name: Industrial Steel Construction, Inc

Source Location: 86 North Bridge Street, Gary, IN 46404

Part 70 Operating Permit Renewal Number: T089-36385-00161

Significant Source Modification Number: 089-36435-00161

Permit Reviewer: Donald McQuigg

Date: October 14, 2015

1. Hand Blasting Operation (EU#24), Bay 10

Unit ID	Inlet Grain Loading (gr/scf)*	Outlet Grain Loading** (gr/scf)	Air flow rate (scfm)	Control Efficiency	Uncontrolled PM PTE (lb/hr)	Uncontrolled PM PTE (tons/yr)	Controlled PM PTE (lb/hr)	Controlled PM PTE (tons/yr)	Limited PM PTE (lb/hr)	Limited PM PTE (tons/yr)
EU#24 Baghouse	0.346	0.01	50,000	99.00%	148.29	649.49	4.29	18.77	2.00	8.76

Methodology:

* Based on manufacturer inlet loading rate calculations

** Outlet grain loading guarantee

Uncontrolled Particulate PTE (lb/hr) = Inlet Grain Loading (gr/scf) * Air flow rate (scfm) * 60 (min/hr) * 1/7,000 (lb/gr)

Controlled Particulate PTE (lb/hr) = Outlet Grain Loading (gr/scf) * Air flow rate (scfm) * 60 (min/hr) * 1/7,000 (lb/gr)

Uncontrolled/Controlled PTE (tons/yr) = Uncontrolled/Controlled Particulate PTE * 8,760 (hr/yr) * 1/2,000 (ton/lb)

Assumes PM₁₀ = PM_{2.5} = PM

**Appendix A: Emissions Calculations
Potential Particulate Emission from Grinders**

**Source Name: Industrial Steel Construction, Inc
Source Location: 86 North Bridge Street, Gary, IN 46404
Part 70 Operating Permit Renewal Number: T089-36385-00161
Significant Source Modification Number: 089-36435-00161
Permit Reviewer: Donald McQuigg
Date: October 14, 2015**

Electric Arc Welding Stick

Unit ID	No of Welders	Max. Weld Rate (rod/min)	Max. Rod (weight (oz))	PM/PM10 (lb/1000lb of rod)	PM/PM10 (tons/yr)
EU #9	12	0.718	4.6	18.4	12.0

Methodology

Uncontrolled PM emissions (tons/yr) = Max.weld rate (rod/mim) x Max. Rod Weight (oz) x 1lb/16oz xlb PM/1000 lb of rod x No. of welders x 60 min/hr x 8760 hr/yr x 1ton/2000lb

EU # 11 (Sweep Grinder)

Unit ID	Max. Area of Steel Swept (sq ft/hr)	Max. lb PM/ft sq of Area Swept*	Hours of opeation/ yr	Uncontrolled PM/PM10 (tons/yr)
EU # 11	75	0.0925	8,760	30.4

Methodology

Uncontrolled PM/PM10 (tons/yr) = Max.Area of steel swept (ft/hr) x Max. lb PM/ft of area swept x Hours of operations/yr x 1ton/ 2000lb

EU #11 (3 Slab Grinders)

Unit ID	Max. Grind Capacity (ton/yr)	PM emitted from Grinding operation (%)*	Uncontrolled PM/PM ₁₀ /PM _{2.5} (tons/yr)	Limited Throughput (tons/yr)	Limited PM/PM ₁₀ /PM _{2.5} Emissions (tons/yr)
EU #11	613,200	0.0493	302.3	200,000	98.60

Methodology

Uncontrolled PM/PM10 emissions(tons/yr) = Max.Grind Capacity (ton/yr) x PM emitted from grinding operation in %

* Provided by the source

Appendix A: Emissions Calculations
Potential Particulate and HAP Emissions from Thermal Cutting

Source Name: Industrial Steel Construction, Inc
Source Location: 86 North Bridge Street, Gary, IN 46404
Part 70 Operating Permit Renewal Number: T089-36385-00161
Significant Source Modification Number: 089-36435-00161
Permit Reviewer: Donald McQuigg
Date: October 14, 2015

EU # 13 (Cutting Torches)

	Number of Stations	Max. Metal Thickness Cut (in.)	Max. Metal Cutting Rate (in./minute)	EMISSION FACTORS (lb pollutant/1,000 inches cut, 1" thick)**				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
				PM=PM ₁₀ =PM _{2.5}	Mn	Ni	Cr	PM=PM ₁₀ =PM _{2.5}	Mn	Ni	Cr	
FLAME CUTTING												
Oxyacetylene	40	3.375	7	0.1622	0.0005	0.0001	0.0003	9.197	0.028	0.006	0.017	0.051
Oxymethane	5	9.1	3	0.0815	0.0002	--	0.0002	0.667	0.002	0.000	0.002	0.003
DB Plasma**	2	12	9.4	0.0039				0.004	0.000	0.000	0.000	0.000
EMISSION TOTALS												
Potential Emissions, lbs/hr								9.87	0.03	0.01	0.02	0.05
Potential Emissions, tons/year								43.22	0.13	0.02	0.08	0.24

METHODOLOGY

**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.

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

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

Emissions (lbs/day) = Emissions (lbs/hr) x 24 hrs/day

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

**Appendix A: Emissions Calculations
Potential Emissions from ARC Welding**

**Source Name: Industrial Steel Construction, Inc
Source Location: 86 North Bridge Street, Gary, IN 46404
Part 70 Operating Permit Renewal Number: T089-36385-00161
Significant Source Modification Number: 089-36435-00161
Permit Reviewer: Donald McQuigg
Date: October 14, 2015**

Submerged Arc Welders (EU #17)

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)	EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
			PM=PM ₁₀ =PM _{2.5}	Mn	Ni	Cr	PM=PM ₁₀ =PM _{2.5}	Mn	Ni	Cr	
WELDING											
Submerged Arc	12	4.2	0.036	0.011	0.000	0.000	1.814	0.554	0.000	0.000	0.554
EMISSION TOTALS											
Potential Emissions, lbs/hr							1.81				0.55
Potential Emissions, tons/year							7.95				2.43

METHODOLOGY

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

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

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

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

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

Electric Arc Stick Welding (EU#9)

Unit ID	No of Welders	Max. Weld Rate (rod/min)	Max. Rod (weight (oz)	PM/PM10/PM2.5 (lb/1000lb of rod)	PM/PM10/PM2.5 (tons/yr)
EU #9	12	0.718	4.6	18.4	12.0

Methodology

Uncontrolled PM emissions (tons/yr) = Max.weld rate (rod/mim) x Max. Rod Weight (oz) x 1lb/16oz xlb PM/1000 lb of rod x No. of welders x 60 min/hr x 8760 hr/yr x 1ton/2000lb

**Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations EU #15, EU #22, and EU #25**

**Source Name: Industrial Steel Construction, Inc
Source Location: 86 North Bridge Street, Gary, IN 46404
Part 70 Operating Permit Renewal Number: T089-36385-00161
Significant Source Modification Number: 089-36435-00161
Permit Reviewer: Donald McQuigg
Date: October 14, 2015**

Emissions Unit ¹ /Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC (lb/hr)	Potential VOC (ton/yr)	Particulate Potential Uncontrolle d (ton/yr)	Particulate Potential Controlled ¹ (ton/yr)	Transfer Efficiency ²
EU #15 Solvent	7.40	16.0%	0%	16.0%	0%	0%	3.760	1	1.18	1.18	4.45	19.50	4.09	4.09	96%
EU #22 Paint	7.40	47.3%	0%	47.3%	0%	0%	18.800	1	3.50	3.50	65.80	288.22	12.85	12.85	96%
EU #25 Paint	7.40	47.3%	0%	47.3%	0%	0%	18.800	1	3.50	3.50	65.80	288.22	12.85	0.13	96%
												595.94	29.78		

¹ There are no particulate controls for EU #15 and EU #22. Particulate emissions from EU #25 is controlled by general ventilation baghouse #24.

Particulate control efficiency =

² The high transfer efficiency is for hand spraying of large parts.

METHODOLOGY

Particulate Potential (tons/yr) = (units/hour) * (gal/unit) * (lbs/gal) * (1 - Weight % Volatiles) * (1 - Transfer Efficiency) * (8760 hrs/yr) * (1 ton/2000 lbs)

Potential VOC (tons/yr) = (pounds VOC/ Gallon coating) x (gal. of Material/unit) x Max. units/hr x (8760 hr/yr) x (1 ton/2000lb)

Controlled Emissions (ton/yr) = Uncontrolled Potential to Emit (ton/yr) x (1 - Control Efficiency %)

Assume PM₁₀ = PM_{2.5} = PM

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

**Source Name: Industrial Steel Construction, Inc
Source Location: 86 North Bridge Street, Gary, IN 46404
Part 70 Operating Permit Renewal Number: T089-36385-00161
Significant Source Modification Number: 089-36435-00161
Permit Reviewer: Donald McQuigg
Date: October 14, 2015**

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Toluene	Weight % Benzene	Weight % Hexane	Weight % Glycol Ethers	Xylene Emissions (ton/yr)	Toluene Emissions (ton/yr)	Benzene Emissions (ton/yr)	Hexane Emissions (ton/yr)	Glycol Ethers Emissions (ton/yr)
Paint Booths													
GTA 840 Cleaner	6.93	0.10000	1.000	50.00%	20.00%	20.00%	0.00%	20.00%	1.52	0.61	0.61	0.00	0.61
#997 Nippe Ceramo Primer	7.47	1.96000	1.000	0.00%	10.00%	1.00%	10.00%	5.00%	0.00	6.41	0.64	6.41	3.21

Highest Single HAP: 6.41 (hexane)

Total HAPs: 20.01

METHODOLOGY

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

**Appendix A: Emissions Calculations
Potential Particulate Emissions from
Metalizing Surface Coating Operation EU #26**

**Source Name: Industrial Steel Construction, Inc
Source Location: 86 North Bridge Street, Gary, IN 46404
Part 70 Operating Permit Renewal Number: T089-36385-00161
Significant Source Modification Number: 089-36435-00161
Permit Reviewer: Donald McQuigg
Date: October 14, 2015**

1. Metalizing Surface Coating Operation (EU#26), Building A

Emission Unit	Max Rate (ft ² metal/yr)	Wire Usage Rate (lb wire/ ft ² metal)	Emission Factor (lb PM / lb wire)	Baghouse Control Efficiency	Uncontrolled PTE (tons/yr)			Controlled PTE (tons/yr)			Limited PTE (tons/yr)		
					PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
EU #26	1.022E+07	0.5	0.0355	98%	90.70	90.70	90.70	1.81	1.81	1.81	3.07	3.07	3.07

Methodology:

Uncontrolled Particulate PTE (tons/yr) = Max Rate (ft² metal/yr) * Wire Usage Rate (lb wire/ft² metal) * Emission Factor (lb PM/lb wire) * (1 ton/2000 lbs)

Controlled Particulate PTE (tons/yr) = Max Rate (ft² metal/yr) * Wire Usage Rate (lb wire/ft² metal) * Emission Factor (lb PM/lb wire) * (1-Control Efficiency) * (1 ton/2000 lbs)

Assumes PM₁₀ = PM_{2.5} = PM

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

**Source Name: Industrial Steel Construction, Inc
Source Location: 86 North Bridge Street, Gary, IN 46404
Part 70 Operating Permit Renewal Number: T089-36385-00161
Significant Source Modification Number: 089-36435-00161
Permit Reviewer: Donald McQuigg
Date: October 14, 2015**

Unit	MMBtu/hr
Boiler (EU#7)	1.8
61 Space Heaters	14.2
4 Torches (EU#14)	1.2
1 Cure Oven	1.4
1 Preheat Oven	2.58
Total	21.18

Heat Input Capacity MMBtu/hr	MMCF/yr
21.18	185.5

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84
					**see below		
Potential Emission in tons/yr	0.18	0.71	0.71	0.06	9.28	0.51	7.79

*PM emission factor is filterable PM only. PM10 and PM2.5 emission factors are filterable and condensable PM10 and PM2.5 combined, respectively.

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

HAPs - Organics

Emission Factor in lb/MMcf	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	1.948E-04	1.113E-04	6.958E-03	1.670E-01	3.154E-04

HAPs - Metals

Emission Factor in lb/MMcf	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	4.638E-05	1.020E-04	1.299E-04	3.525E-05	1.948E-04

Total HAPs (tons/yr) =	0.18
Worst Single HAP (tons/yr) =	0.17 Hexane

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

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

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

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

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

Appendix A: Emission Calculations
Potential to Emit VOC/HAP from the Degreasing Operation (EU#12)

Source Name: Industrial Steel Construction, Inc
Source Location: 86 North Bridge Street, Gary, IN 46404
Part 70 Operating Permit Renewal Number: T089-36385-00161
Significant Source Modification Number: 089-36435-00161
Permit Reviewer: Donald McQuigg
Date: October 14, 2015

PTE VOC from Degreasing

Emission Unit	Solvent Throughput (gal/yr)	Solvent Density (lb/gal)	Emission Factor (lb/lb)	Potential VOC (tons/year)
Degreasing Units (EU#12)	725	6.7	1.00	2.4

PTE HAPs from Degreasing

	HAP Emission Factor (lb HAP/lb solvent)	Solvent Throughput (gal/yr)	Control Efficiency	Potential HAPs (tons/yr)
Tetrachloroethene	0.20	725	0.00%	0.005

Methodology:

VOC Emissions (ton/yr) = Solvent Throughput (gal/yr) * Solvent Density (lb/gal) * 1 ton/2000 lbs

HAP Emissions (ton/yr) = Solvent Throughput (gal/yr) * Solvent Density (lb/gal) * HAP Emission Factor (lb HAP/lb solvent) * 1 ton/2000 lbs

Appendix A: Emissions Calculations
Fugitive Particulate Emissions from Paved Roadways

Source Name: Industrial Steel Construction, Inc
 Source Location: 86 North Bridge Street, Gary, IN 46404
 Part 70 Operating Permit Renewal Number: T089-36385-00161
 Significant Source Modification Number: 089-36435-00161
 Permit Reviewer: Donald McQuigg
 Date: October 14, 2015

$$E_{\text{ext}} = [k(sL)^{0.91} \cdot (W)1.02] \quad (1-P/4N)$$

PM 2.5	PM 10	PM	Annual PM emissions	
0.246707842 lbs/VMT	1.005106022 lbs/VMT	5.025530111 lbs/VMT	PM 2.5 (1.32)	475.46 lbs
			PM 10(1.32)	1937.04 lbs
			PM (1.32)	9685.20 lbs
k= 0.00054 lb/VMT	k= 0.0022 lb/VMT	k= 0.011 lb/VMT	PM 2.5 (1.32)	0.24 tons
sL= 0.015 g/m ²	sL= 0.015 g/m ²	sL= 0.015 g/m ²	PM 10(1.32)	0.97 tons
3.3075E-05 lb/ 3.86102E-07 m ²	3.3075E-05 lb/ 3.86102E-07 m ²	3.3075E-05 lb/ 3.86102E-07 m ²	PM (1.32)	4.84 tons
85.6638697 lb/ mi ²	85.6638697 lb/ mi ²	85.6638697 lb/ mi ²		
W= 8.375 tons	W= 8.375 tons	W= 8.375 tons		
N= 365 days	N= 365 days	N= 365 days		
P= 130 days	P= 130 days	P= 130 days		

where:
 E_{ext} = Annual emission factor
 k= article size multiplier for particles size range and units of interest
 sL= road surface silt loading lb/mi
 W= average weight (tons) of the vehicles traveling the road
 N= number of days in year (365)
 P= number of "wet" days with at least 0.01 in. of precipitation during the year

Annual Mileage Calculation 1.32 miles roadway
 4 trips/day
 1460 trips/year

Vehicle Type: Passenger Vehicles	Vehicle Type: Trucks Hauling Bridge Girders	Vehicle Type: Empty Truck
Average Weight	Average Weight	Average Weight
Percent (tons)	Percent (tons)	Percent (tons)
0.75 2	0.125 40	0.125 15
1.5	5	1.875
W= 8.375 tons		
sL= 0.015 g/m ²		

W =average weight (tons) of the vehicles traveling the roads

sL = Silt loading default value for limited access roadways



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Michael R. Pence
Governor

Carol S. Comer
Commissioner

January 14, 2016

Mr. Daniel E. Moore
Industrial Steel Construction, Inc.
86 North Bridge Street
Gary, IN 46404

Re: Public Notice
Industrial Steel Construction, Inc.
Permit Level: Title V Operating Permit Renewal
and Title V Significant Source Modification
Permit Number: 089-36385-00161 and
089-36435-00161

Dear Mr. Moore:

Enclosed is a copy of your draft Title V Operating Permit Renewal and Title V Significant Source Modification, 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 Post Tribune in Merrillville, Indiana and The Times in Munster, Indiana publish the abbreviated version of the public notice no later than January 18, 2016. 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 Gary Public Library – Brunswick Branch, 4030 West 5th Avenue in Gary, 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 Donald McQuigg, 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 4-4240 or dial (317) 234-4240.

Sincerely,

Vivian Haun

Vivian Haun
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover letter 8/27/2015



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ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

January 13, 2016

The Post Tribune
1433 E. 83rd Avenue
Merrillville, IN 46410

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Industrial Steel Construction, Inc., Lake 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 January 18, 2016.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Vivian Haun at 800-451-6027 and ask for extension 3-6878 or dial 317-233-6878.

Sincerely,

Vivian Haun

Vivian Haun
Permit Branch
Office of Air Quality

Permit Level: Title V Significant Source Modification and
Title V Operating Permit Renewal
Permit Number: 089-36435-00161 and 089-36385-00161

Enclosure
PN Newspaper.dot 8/27/2015



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Governor

Carol S. Comer
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

January 13, 2016

The Times
601 West 45th Avenue
Munster, IN 46321

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Industrial Steel Construction, Inc., Lake 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 January 18, 2016.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Vivian Haun at 800-451-6027 and ask for extension 3-6878 or dial 317-233-6878.

Sincerely,

Vivian Haun

Vivian Haun
Permit Branch
Office of Air Quality

Permit Level: Title V Significant Source Modification and
Title V Operating Permit Renewal
Permit Number: 089-36435-00161 and 089-36385-00161

Enclosure
PN Newspaper.dot 8/27/2015



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Governor

Carol S. Comer
Commissioner

January 14, 2016

To: Gary Public Library – Brunswick Branch

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

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

Applicant Name: Industrial Steel Construction, Inc.
Permit Number: 089-36385-00161 and 089-36435-00161

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.dot 8/27/2015



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Governor

Carol S. Comer
Commissioner

Notice of Public Comment

January 14, 2016

Industrial Steel Construction, Inc.

089-36385-00161 and 089-36435-00161

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.dot 8/27/2015



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Governor

Carol S. Comer
Commissioner

AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD DRAFT INDIANA AIR PERMIT

January 14, 2016

A 30-day public comment period has been initiated for:

Permit Number: 089-36385-00161 and 089-36435-00161
Applicant Name: Industrial Steel Construction, Inc.
Location: Gary, Lake County, Indiana

The public notice, draft permit and technical support documents can be accessed via the **IDEM Air Permits Online** site at:

<http://www.in.gov/ai/appfiles/idem-caats/>

Questions or comments on this draft permit should be directed to the person identified in the public notice by telephone or in writing to:

Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
100 North Senate Avenue
Indianapolis, IN 46204

Questions or comments regarding this email notification or access to this information from the EPA Internet site can be directed to Chris Hammack at chammack@idem.IN.gov or (317) 233-2414.

Affected States Notification.dot 8/27/2015

Mail Code 61-53

IDEM Staff	VHAUN 1/14/2016 Industrial Steel Construction, Inc. 089-36385 and 36435-00161 DRAFT			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	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		Daniel E Moore Industrial Steel Construction, Inc. 86 N Bridge St Gary IN 46404 (Source CAATS)										
2		East Chicago City Council 4525 Indianapolis Blvd East Chicago IN 46312 (Local Official)										
3		Gary Mayors Office 401 Broadway # 203 Gary IN 46402 (Local Official)										
4		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 (Health Department)										
5		WJOB / WZVN Radio 6405 Olcott Ave Hammond IN 46320 (Affected Party)										
6		Shawn Sobocinski 5950 Old Porter Rd Aprt 306 Portage IN 46368-1558 (Affected Party)										
7		Mark Coleman 8 Turret Rd. Portage IN 46368-1072 (Affected Party)										
8		Mr. Chris Hernandez Pipefitters Association, Local Union 597 1461 East Summit St Crown Point IN 46307 (Affected Party)										
9		Craig Hogarth 7901 West Morris Street Indianapolis IN 46231 (Affected Party)										
10		Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 (Local Official)										
11		Anthony Copeland 2006 E. 140th Street East Chicago IN 46312 (Affected Party)										
12		Barbara G. Perez 506 Lilac Street East Chicago IN 46312 (Affected Party)										
13		Mr. Robert Garcia 3733 Parrish Avenue East Chicago IN 46312 (Affected Party)										
14		Susan Grenzebach ST Environmental, LLC PO Box 2557 Chesterton IN 46034-2557 (Consultant)										
15		Ms. Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 (Affected Party)										

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.
15			

Mail Code 61-53

IDEM Staff	VHAUN 1/14/2016 Industrial Steel Construction, Inc. 089-36385 and 36435-00161 DRAFT			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

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3		Peter Julovich City of Gary Dept. of Environmental Affairs 839 Broadway SuiteN206 Gary IN 46402 (Local Official)										
4		Gary Public Library 4030 West 5th Avenue Gary IN 46406 (Library)										
5		Mr. Larry Davis 268 South, 600 West Hebron IN 46341 (Affected Party)										
6		Ryan Dave 939 Cornwallis Munster IN 46321 (Affected Party)										
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