



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: April 19, 2010

RE: Tube City Division, Tube City IMS / 089-23674-00174

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

## Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this permit modification is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of a Title V operating permit or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency  
401 M Street  
Washington, D.C. 20406

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



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Mr. Michael Connolly  
Tube City Division, Tube City IMS  
1155 Business Center Drive  
Horsham, PA 19044

April 19, 2010

Re: 089-23674-00174  
Significant Permit Modification to:  
Part 70 Operating Permit No.: T089-7648-00174

Dear Mr. Connolly:

Tube City Division, Tube City IMS (formerly known as Tube City, LLC) was issued Part 70 Operating Permit T089-7648-00174 on August 17, 2006 for a stationary scrap metal processing operation. A letter appealing portions of this permit was received on September 21, 2006. Pursuant to the provisions of 326 IAC 2-7-12, an appeal resolution through a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The appeal resolution includes a change to the source name, corrections to descriptive information for two emission units and changes to the compliance determination language for fugitive dust control. Some other conditions of the permit have been updated by IDEM. Please find attached the entire Part 70 Operating Permit as modified.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Jean Boling at OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or call (800) 451-6027, and ask for Jean Boling or extension 4-5400, or dial (317) 234-5400.

Sincerely,

Donald F. Robin, P.E., Section Chief  
Permits Branch  
Office of Air Quality

Attachments:  
Part 70 Significant Permit Modification  
Technical Support Document (TSD) for a Part 70 Significant Permit Modification

DFR/jcb

cc: File – Lake County  
IDEM Northwest Regional Office  
U.S. EPA, Region V  
Lake County Health Department  
Compliance and Enforcement Branch



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## Part 70 Operating Permit OFFICE OF AIR QUALITY

**Tube City Division, Tube City IMS  
an on-site Contractor of US Steel-Gary Works  
One North Broadway  
Gary, Indiana 46402**

(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.: T089-7648-00174  |  |
| Signed by: Original signed by<br>Nisha Sizemore, Branch Chief<br>Office of Air Quality | Issuance Date: August 17, 2006<br><br>Expiration Date: August 17, 2011 |

|   |   |
|---|---|
| First Significant Permit Modification No.: 089-23674-00174  |   |
| Issued by: <br>Donald F. Robin, P.E., Section Chief<br>Permits Branch<br>Office of Air Quality | Issuance Date: April 19, 2010<br><br>Expiration Date: August 17, 2011 |

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## 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, A.2, A.3 and A.4 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(15)][326 IAC 2-7-1(22)]

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The Permittee owns and operates a stationary scrap metal processing operation.

|                              |   |
|------------------------------|---|
| Source Address:              | One North Broadway, Gary, Indiana 46402   |
| Mailing Address:             | 1155 Business Center Drive, Horsham, PA 19044-3454  |
| General Source Phone Number: | 219-881-0144  |
| SIC Code:                    | 5093  |
| County Location:             | Lake  |
| Source Location Status:      | Nonattainment for 8-hour ozone standard<br>Nonattainment for PM2.5 standard<br>Attainment for all other criteria pollutants   |
| Source Status:               | Part 70 Operating Permit Program<br>Major Source, under PSD, Emission Offset Rules, and<br>Nonattainment NSR Rules<br>Minor Source, Section 112 of the Clean Air Act<br>1 of 28 Source Categories |

### A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

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US Steel - Gary Works is an integrated steel mill that consists of a main mill and an on-site contractor:

- (a) US Steel, Gary Works, 089-00121, the primary operation, is located at One North Broadway, Gary, IN 46402; and
- (b) Tube City Division, Tube City IMS, 089-00174, the on-site contractor, is located at One North Broadway, Gary, IN 46401.

Separate Part 70 Operating permits have been issued to US Steel, Gary Works with Permit No. T089-7663-00121 and Tube City Division, Tube City IMS with Permit No. T089-7648-00174 solely for administrative purposes.

### A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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Tube City Division, Tube City IMS, consists of the following:

- (a) Two (2) scrap metal Balers, identified as units No. 1 and No. 2, constructed in 1991, with a maximum capacity of 109.82 tons per hour each of scrap metal baled for transport to the US Steel basic oxygen furnaces (BOFs);
- (b) One (1) shear for cutting scrap metal, identified as unit No. 3, constructed in 1991, with a maximum capacity of 35 tons per hour of scrap metal;
- (c) Fourteen (14) scrap metal cutting stations, identified as unit No. 4, constructed in 1991, with a capacity of 150,000 Btu per hour for each cutting torch of natural gas and oxygen to cut 51.2 tons per hour of scrap metal;

- (d) Paved and unpaved haul roads.

A.4 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]  
[326 IAC 2-7-5(15)]

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Tube City Division, Tube City IMS, includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 [326 IAC 8-3-5(a)][326 IAC 8-3-8];
- (b) Cleaners and solvents characterized as follows:
- (1) Having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38°C (100°F); or
  - (2) Having a vapor pressure equal to or less than 0.7 kPa; 5mm Hg; or 0.1 psi measured at 20°C (68°F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months [326 IAC 8-3-5(a)][326 IAC 8-3-8]; and
- (c) A gasoline fuel transfer and dispensing operation handling less than or equal to one thousand three hundred (1,300) gallons per day and filling storage tanks having a capacity equal to or less than ten thousand five hundred (10,500) gallons. Such storage tanks may be in a fixed location or on mobile equipment. [326 IAC 8-9-1]

The Tube City IMS container within this category is identified as Container #3, gasoline - 550 gallons.

- (d) A petroleum fuel, other than gasoline, dispensing facility having a storage tank capacity less than or equal to ten thousand five hundred (10,500) gallons, and dispensing three thousand five hundred (3,500) gallons per day or less. [326 IAC 8-9-1]

Tube City IMS containers within this category are identified as follows:

- (1) Container #1, diesel - 3,000 gallons;
  - (2) Container #2, diesel - 330 gallons; and
  - (3) Container #4, diesel - 8,000 gallons.
- (e) Storage tanks with capacity less than or equal to one thousand (1,000) gallons and annual throughputs equal to or less than twelve thousand (12,000) gallons. [326 IAC 8-9-1]

Tube City IMS containers within this category are identified as follows:

- (1) Container #5, hydraulic oil - 500 gallons
- (2) Container #6, hydraulic oil - 500 gallons
- (3) Container #7, hydraulic oil – 2,500 gallons
- (4) Container #8, hydraulic oil – 2,500 gallons
- (5) Container #9, gear oil - 550 gallons
- (6) Container #10, hydraulic oil – 1,000 gallons
- (7) Container #11, antifreeze - 550 gallons
- (8) Container #12, motor oil - 550 gallons
- (9) Container #14, used oil – 1,000 gallons

A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

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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, T089-7648-00174, 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. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). 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) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) A "responsible official" is defined at 326 IAC 2-7-1(34).

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. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent 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 V  
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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]**

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within 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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) 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 or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) 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]**

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- (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, and 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 Compliance and Enforcement Branch)  
Facsimile Number: 317-233-6865  
Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267

- (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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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)(9) 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.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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 T089-7648-00174 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** Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported 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

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. 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.

The Quarterly Deviation and Compliance Monitoring Report do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

**B.16 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]

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- (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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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 determines any of the following: may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

**B.17 Permit Renewal** [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

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- (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(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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 in writing by IDEM, OAQ any additional information identified as being needed to process the application.

**B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]**

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- (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 shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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- (a) No Part 70 permit revision 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.20 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]**

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- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) 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 V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). 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), (c)(1), and (e)(2).

(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(36)) 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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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.21 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

B.22 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, utilizes any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 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

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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.24 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.25 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 5-1-3 (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. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

#### C.3 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2. 326 IAC 9-1-2 is not federally enforceable.

#### 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 Fugitive Dust Emissions [326 IAC 6.8-10 and 326 IAC 6.8-11]

- (a) Pursuant to 326 IAC 6.8-10-3 (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:
  - (1) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).
  - (2) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).
  - (3) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%). Where adequate wetting of the material for fugitive particulate emissions control is prohibitive to further processing or reuse of the material, the opacity shall not exceed ten percent (10%) three (3) minute average. This includes material transfer to initial hopper of material processing facility as defined in 326 IAC 6.8-10-2 or material transfer for transportation within or outside the source property including but not limited to the following:

- (A) Transfer of slag product for use in asphalt plant
  - (i) From a storage pile to a front end loader; and
  - (ii) From a front end loader to a truck.
- (B) Transfer of sinter blend for use at the sinter plant:
  - (i) From a storage pile to a front end loader; and
  - (ii) From a front end loader to a truck; and
  - (iii) From a truck to the initial processing point
- (C) Transfer of coal for use at a coal processing line:
  - (i) From a storage pile to a front end loader, and
  - (ii) From a front end loader to the initial hopper of a coal processing line.

Compliance with any operation lasting less than three (3) minutes shall be determined as an average of consecutive operations recorded at fifteen (15) second intervals for the duration of the operation.

- (4) Slag and kish handling activities at integrated iron and steel plants shall comply with the following particulate emissions limits:
  - (A) The opacity of fugitive particulate emissions from transfer from pots and trucks into pits shall not exceed twenty percent (20%) on a three (6) minute average.
  - (B) The opacity of fugitive particulate emissions from transfer from pits into front end loaders and from transfer from front end loaders into trucks shall comply with the fugitive particulate emission limits in 326 IAC 6.8-10-3(9).
- (5) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (6) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average. These limitations may not apply during periods when application of fugitive particulate control measures is either ineffective or unreasonable due to sustained very high wind speeds. During such periods the company must continue to implement all reasonable fugitive particulate control measures and maintain records documenting the application of measures and the basis for a claim that meeting opacity limitation was not reasonable given prevailing wind conditions.
- (7) There shall be a zero (0) percent frequency of visible emission observations of a material during the in plant transportation of material by truck or rail at any time. Material transported by truck or rail that is enclosed and covered shall be considered in compliance with in-plant transportation requirement.
- (8) The opacity of fugitive particulate emissions from the in plant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (9) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.

- (10) The PM<sub>10</sub> emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
  - (11) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
  - (12) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.
  - (13) PM<sub>10</sub> emissions from each material processing stack shall not exceed 0.022 grains per dry standard cubic foot and ten percent (10%) opacity.
  - (14) Fugitive particulate matter from the material processing facilities except at a crusher in which a capture system is not used shall not exceed ten percent (10%) opacity.
  - (15) Fugitive particulate matter from a crusher in which a capture system is not used shall not exceed fifteen percent (15%) opacity.
- (b) The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan attached.
  - (c) The source is subject to 326 IAC 6.8-11 (Lake County Particulate Matter Contingency Measures), because it is subject to the requirements of 326 IAC 6.8-10. Pursuant to this rule, the source shall comply with 326 IAC 6.8-11-4 and 326 IAC 6.8-11-6.

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

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

- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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.7 Performance Testing [326 IAC 3-6]**

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- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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 certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

### **Compliance Requirements [326 IAC 2-1.1-11]**

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

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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.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]**

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Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, 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  
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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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

#### **C.10 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]**

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Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60, Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

#### **C.11 Continuous Compliance Plan (CCP) [326 IAC 6.8-8-1] [326 IAC 6.8-8-8]**

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- (a) Pursuant to 326 IAC 6.8-8-1, the Permittee shall submit to IDEM and maintain at source a copy of the Continuous Compliance Plan (CCP). The Permittee shall perform the inspections, monitoring and record keeping in accordance with the information in 326 IAC 6.8-8-5 through 326 IAC 6.8-8-7 or applicable procedures in the CCP.
- (b) Pursuant to 326 IAC 6.8-8-8, the Permittee shall update the CCP, as needed, retain a copy any changes and updates to the CCP at the source and make the updated CCP available for inspection by the department. The Permittee shall submit the updated CCP to IDEM, OAQ within thirty (30) days of the update.

- (c) Pursuant to 326 IAC 6.8-8-8, failure to submit a CCP, maintain all information required by the CCP at the source, or submit updates to a CCP is a violation of 326 IAC 6.8-8.

**Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]**

**C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
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within ninety (90) days after the date of issuance of this permit.

The ERP does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

**C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]**

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

**C.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]**

- (a) Upon detecting an excursion or exceedance, the Permittee shall 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 emissions.
- (b) 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). Corrective actions may include, but are not limited to, the following:
- (1) initial inspection and evaluation;

- (2) recording that operations returned 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 within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (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 maintain the following records:
- (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.

**C.15 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 take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) 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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

**C.16 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) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. 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(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.
- (b) The statement must be submitted to:
- Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251
- The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The annual emission statement 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.17 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. 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, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.
- (c) If there is a reasonable possibility that a "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a "major modification" (as defined in 326 IAC 2-2-1 (ee) and/or 326 IAC 2-3-1 (z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1 (rr) and/or 326 IAC 2-3-1 (mm)), the Permittee shall comply with following:
  - (1) Prior to commencing the construction of the "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, document and maintain the following records:
    - (A) A description of the project.
    - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
    - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
      - (i) Baseline actual emissions;
      - (ii) Projected actual emissions;

- (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii) and
  - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
- (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of 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
- (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) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. 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.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll) at an existing emissions unit and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq)), for that regulated NSR pollutant, and
  - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
  - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.
  - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
  - (4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

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

- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

### **Stratospheric Ozone Protection**

#### **C.19 Compliance with 40 CFR 82 and 326 IAC 22-1**

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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 the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

## SECTION D.1

## FACILITY OPERATION CONDITIONS

**Facility Description [326 IAC 2-7-5(15)]:** The iron and scrap processing consists of the following:

- (a) Two (2) scrap metal Balers, identified as unit Nos. 1 and 2, constructed in 1991, with a maximum capacity of 109.82 tons per hour each of scrap metal baled for transport to the US Steel basic oxygen furnaces (BOFs).
- (b) One (1) shear for cutting scrap metal, identified as unit No. 3, constructed in 1991, with a maximum capacity of 35 tons per hour of scrap metal,
- (c) Fourteen (14) scrap metal cutting stations, identified as unit No. 4, constructed in 1991, with a maximum capacity of 150,000 btu per hour of natural gas and oxygen for each cutting torch to cut 51.2 tons per hour of scrap metal.
- (d) Fugitive Dust Sources consisting of, but not limited to the following:
  - (1) Paved Roads and Parking Lots
  - (2) Unpaved Roads and Parking Lots
  - (3) Batch Transfer-Loading and Unloading Operations
  - (4) Continuous Transfer In and Out of Storage Piles
  - (5) Wind Erosion from Storage Piles and Open Areas
  - (6) In Plant Transfer by Truck or Rail
  - (7) In Plant Transfer by Front End Loader or Skip Hoist
  - (8) Material Processing Facility (except Crusher Fugitive Emissions)
  - (9) Material Processing Facility Building Openings

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

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

#### D.1.1 Fugitive Dust Emission Limitations [326 IAC 6-4-2][326 IAC 6.8-10-3]

- (a) Pursuant to 326 IAC 6-4-2:
  - (1) The scrap metal balers, shear and scrap metal cutting stations generating fugitive dust shall be in violation of this rule (326 IAC 6-4) if any of the following criteria are violated:
    - (A) A source or combination of sources which cause to emit fugitive dust concentrations greater than sixty-seven percent (67%) in excess of ambient upwind concentrations as determined by the following formula:

$$P = \frac{100(R - U)}{U}$$

Where:

P = Percentage increase

R = Number of particles of fugitive dust measured at downward receptor site

U = Number of particles of fugitive dust measured at upwind or background site

- (B) The fugitive dust is comprised of fifty percent (50%) or more respirable dust, then the percent increase of dust concentration in subdivision (1) of this section shall be modified as follows:

$$PR = (1.5 \pm N) P$$

Where:

- N = Fraction of fugitive dust that is respirable dust;  
PR = allowable percentage increase in dust concentration above background; and  
P = no value greater than sixty-seven percent (67%).

- (C) The ground level ambient air concentrations exceed fifty (50) micrograms per cubic meter above background concentrations for a sixty (60) minute period.

- (D) If fugitive dust is visible crossing the boundary or property line of a source. This subdivision may be refuted by factual data expressed in subdivisions (1), (2) or (3) of this section. 326 IAC 6-4-2(4) is not federally enforceable.

- (2) Pursuant to 326 IAC 6-4-6(6) (Exceptions), fugitive dust from a source caused by adverse meteorological conditions will be considered an exception to this rule (326 IAC 6-4) and therefore not in violation.

- (b) Pursuant to 326 IAC 6.8-10-3 Lake County Fugitive Particulate Matter Emissions Limitations, fugitive emissions from the scrap metal balers, shear and scrap metal cutting stations generating fugitive dust shall comply with the emissions limitations in Section C - Fugitive Dust Emissions.

#### D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the baling, shear and cutting operations.

### Compliance Determination Requirements

#### D.1.3 Fugitive Dust Control

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In order to comply with Condition D.1.1, the water spray control for fugitive particulate emissions from the transferring and conveying operations and other fugitive dust sources shall be applied in a manner and at a frequency sufficient to ensure compliance with Condition D.1.1.

#### D.1.4 Fugitive Particulate Matter [326 IAC 6.8-10] [326 IAC 2-2]

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Pursuant to 326 IAC 6.8-10 (Lake County Fugitive Particulate Matter), compliance with the opacity limits specified in Condition C.5 shall be achieved by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan (FDCP) attached. If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAQ may request that the FDCP be revised and submitted for approval.

Opacity from the activities shall be determined as follows:

- (1) Paved Roads and Parking Lots  
The average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of

three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:

- (A) The first will be taken at the time of emission generation.
- (B) The second will be taken five (5) seconds later.
- (C) The third will be taken five (5) seconds later or ten (10) seconds after the first.

The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.

- (2) **Unpaved Roads and Parking**  
The fugitive particulate emissions from unpaved roads shall be controlled by the implementation of a work program and work practice under the fugitive dust control plan.
- (3) **Batch Transfer**  
The average instantaneous opacity shall consist of the average of three (3) opacity readings taken five (5) seconds, ten (10) seconds, and fifteen (15) seconds after the end of one (1) batch loading or unloading operation. The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume.
- (4) **Continuous Transfer**  
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9. The opacity readings shall be taken at least four (4) feet from the point of origin.
- (5) **Wind Erosion from Storage Piles**  
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9, except that the opacity shall be observed at approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. The limitations may not apply during periods when applications of fugitive particulate control measures are either ineffective or unreasonable due to sustained very high wind speeds. During such periods, the company must continue to implement all reasonable fugitive particulate control measures and maintain records documenting the application of measures and the basis for a claim that meeting the opacity limitation was not reasonable given prevailing wind conditions.
- (6) **Wind Erosion from Exposed Areas**  
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9.
- (7) **Material Transported by Truck or Rail**  
Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 22, except that the observation shall be taken at approximately right angles to the prevailing wind from the leeward side of the truck or railroad car. Material transported by truck or rail that is enclosed and covered shall be considered in compliance with the in plant transportation requirement.

- (8) Material Transported by Front End Loader or Skip Hoist  
Compliance with this limitation shall be determined by the average of three (3) opacity readings taken at five (5) second intervals. The three (3) opacity readings shall be taken as follows:
- (A) The first will be taken at the time of emission generation.
  - (B) The second will be taken five (5) seconds later.
  - (C) The third will be taken five (5) seconds later or ten (10) seconds after the first.

The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand at least fifteen (15) feet from the plume approximately and at right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.

- (9) Material Processing Limitations  
Compliance with all opacity limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 9. Compliance with all visible emissions limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 22. Compliance with all particulate matter limitations from material processing equipments shall be determined using 40 CFR 60, Appendix A, Method 5 or 17.

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

### **D.1.5 Record Keeping Requirements**

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- (a) Pursuant to 326 IAC 6.8-10 (Lake County Fugitive Particulate Matter):

The source shall keep the following documentation to show compliance with each of its control measures and control practices:

- (1) A map or diagram showing the location of all emission sources controlled, including the location, identification, length, and width of roadways.
- (2) For each application of water or chemical solution to roadways, the following shall be recorded:
  - (A) The name and location of the roadway controlled;
  - (B) Application rate;
  - (C) Time of each application;
  - (D) Width of each application;
  - (E) Identification of each method of application;
  - (F) Total quantity of water or chemical used for each application;
  - (G) For each application of chemical solution, the concentration and identity of the chemical; and
  - (H) The material data safety sheets for each chemical.

- (3) For application of physical or chemical control agents not covered by 326 IAC 6.8-10-1, the following:
    - (A) The name of the agent;
    - (B) Location of application;
    - (C) Application rate;
    - (D) Total quantity of agent used;
    - (E) If diluted, percent of concentration; and
    - (F) The material data safety sheets for each chemical.
  - (4) A log recording incidents when control measures were not used and a statement of explanation.
  - (5) Copies of all records required by this section shall be submitted to the department within twenty (20) working days of a written request by the department.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### D.1.6 Reporting Requirements

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- (a) Pursuant to 326 IAC 6.8-10 (Lake County Fugitive Particulate Matter), a quarterly report shall be submitted, stating the following:
  - (1) The dates any required control measures were not implemented.
  - (2) A listing of those control measures.
  - (3) The reasons that the control measures were not implemented.
  - (4) Any corrective action taken.
- (b) This report shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported. The reports submitted by the Permittee do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

## SECTION D.2

## FACILITY OPERATION CONDITIONS

**Facility Description [326 IAC 2-7-5(15)]:** The following Specifically Regulated insignificant activities as defined in 326 IAC 2-7-1(21):

- (a) 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. [326 IAC 8-9-1]
- (b) Cleaners and solvents characterized as follows:
  - (1) Having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38°C (100°F) or;
  - (2) Having a vapor pressure equal to or less than 0.7 kPa; 5mm Hg; or 0.1 psi measured at 20°C (68°F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months. [326 IAC 8-3-5(a)][326 IAC 8-3-8]
- (c) A gasoline fuel transfer and dispensing operation handling less than or equal to one thousand three hundred (1,300) gallons per day and filling storage tanks having a capacity equal to or less than ten thousand five hundred (10,500) gallons. Such storage tanks may be in a fixed location or on mobile equipment. [326 IAC 8-9-1]  
  
The Tube City IMS container within this category is identified as Container #3, gasoline - 550 gallons.
- (d) A petroleum fuel, other than gasoline, dispensing facility having a storage tank capacity less than or equal to ten thousand five hundred (10,500) gallons, and dispensing three thousand five hundred (3,500) gallons per day or less. [326 IAC 8-9-1]  
  
Tube City IMS containers within this category are identified as follows:
  - (1) Container #1, diesel - 3,000 gallons;
  - (2) Container #2, diesel - 330 gallons; and
  - (3) Container #4, diesel - 8,000 gallons.
- (e) Storage tanks with capacity less than or equal to one thousand (1,000) gallons and annual throughputs equal to or less than twelve thousand (12,000) gallons. [326 IAC 8-9-1]  
  
Tube City IMS containers within this category are identified as follows:
  - (1) Container #5, hydraulic oil - 500 gallons
  - (2) Container #6, hydraulic oil - 500 gallons
  - (3) Container #7, hydraulic oil – 2,500 gallons
  - (4) Container #8, hydraulic oil – 2,500 gallons
  - (5) Container #9, gear oil - 550 gallons
  - (6) Container #10, hydraulic oil – 1,000 gallons
  - (7) Container #11, antifreeze - 550 gallons
  - (8) Container #12, motor oil - 550 gallons
  - (9) Container #14, used oil – 1,000 gallons

(The information describing the process contained in this facility 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) [326 IAC 8-3-5] (Cold Cleaner Degreaser Operation and Control)

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- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser facility construction of which commenced after July 1, 1990, shall ensure that the following control equipment requirements are met:
- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
    - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)));
    - (B) The solvent is agitated; or
    - (C) The solvent is heated.
  - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
  - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
  - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
  - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
    - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
    - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
    - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:

- (1) Close the cover whenever articles are not being handled in the degreaser.
- (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
- (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-8] (Material requirements for cold cleaning degreasers)

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Pursuant to 326 IAC 8-3-8 (Material requirements for cold cleaning degreasers), the users, providers, and manufacturers of solvents for use in cold cleaning degreasers in Clark, Floyd, Lake, and Porter Counties, except for solvents intended to be used to clean electronic components shall do the following:

- (a) On and after November 1, 1999, no person shall Operate a cold cleaning degreaser with a solvent vapor pressure that exceeds two (2) millimeters of mercury (thirty-eight thousandths (0.038) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).
- (b) On and after May 1, 2001, no person shall Operate a cold cleaning degreaser with a solvent 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).
- (c) On and after November 1, 1999, all persons subject to the requirements of 326 IAC 8-3-8 (c)(1)(B) and (c)(2)(B) shall maintain each of the following records for each purchase:
  - (1) The name and address of the solvent supplier.
  - (2) The date of purchase.
  - (3) The type of solvent.
  - (4) The volume of each unit of solvent.
  - (5) The total volume of the solvent.
  - (6) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).
- (d) All records required by 326 IAC 8-3-8 (d) shall be retained on-site for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.

D.2.3 Volatile Organic Liquid Storage Vessels [326 IAC 8-9-1]

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- (a) Pursuant to 326 IAC 8-9-1 (a) and (b) (Volatile Organic Liquid Storage Vessels), on and after October 1, 1995, stationary vessels used to store volatile organic liquids (VOL), that are located in Clark, Floyd, Lake or Porter County with a capacity of less than thirty nine thousand (39,000) gallons are subject to the reporting and record keeping requirements of this rule. The VOL storage vessels are exempted from all other provisions of this rule.

- (b) Pursuant to 326 IAC 8-9-6 (a) and (b), the Permittee shall maintain the following records for the life of the stationary storage vessels and submit a report to IDEM, OAQ containing the following for each vessel:
- (1) The vessel identification number,
  - (2) The vessel dimensions, and
  - (3) The vessel capacity.
  - (4) The volume of each unit of solvent.
  - (5) The total volume of the solvent.
  - (6) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).
- (d) All records required by 326 IAC 8-3-8 (d) shall be retained on-site for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: Tube City Division, Tube City IMS  
Source Address: One North Broadway, Gary, Indiana 46402  
Mailing Address: 1155 Business Center Drive, Horsham, PA 19044-3454  
Part 70 Permit No.: T089-23674-00174

**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: Tube City Division, Tube City IMS  
Source Address: One North Broadway, Gary, Indiana 46402  
Mailing Address: 1155 Business Center Drive, Horsham, PA 19044-3454  
Part 70 Permit No.: T089-23674-00174

**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 <sub>2</sub> , VOC, NO <sub>x</sub> , 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: \_\_\_\_\_

A certification is not required for this report.

**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: Tube City Division, Tube City IMS  
Source Address: One North Broadway, Gary, Indiana 46402  
Mailing Address: 1155 Business Center Drive, Horsham, PA 19044-3454  
Part 70 Permit No.: T089-23674-00174

**Months:** \_\_\_\_\_ **to** \_\_\_\_\_ **Year:** \_\_\_\_\_

Page 1 of 2

|   |                               |
|---|-------------------------------|
| <p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, 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  |                               |
| <b>Permit Requirement</b> (specify permit condition #)  |                               |
| <b>Date of Deviation:</b>   | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>  |                               |
| <b>Probable Cause of Deviation:</b>   |                               |
| <b>Response Steps Taken:</b>  |                               |
| <b>Permit Requirement</b> (specify permit condition #)  |                               |
| <b>Date of Deviation:</b>   | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>  |                               |
| <b>Probable Cause of Deviation:</b>   |                               |
| <b>Response Steps Taken:</b>  |                               |

|  |                               |
|--|-------------------------------|
| <b>Permit Requirement (specify permit condition #)</b> |                               |
| <b>Date of Deviation:</b>                              | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>                           |                               |
| <b>Probable Cause of Deviation:</b>                    |                               |
| <b>Response Steps Taken:</b>                           |                               |
| <b>Permit Requirement (specify permit condition #)</b> |                               |
| <b>Date of Deviation:</b>                              | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>                           |                               |
| <b>Probable Cause of Deviation:</b>                    |                               |
| <b>Response Steps Taken:</b>                           |                               |
| <b>Permit Requirement (specify permit condition #)</b> |                               |
| <b>Date of Deviation:</b>                              | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>                           |                               |
| <b>Probable Cause of Deviation:</b>                    |                               |
| <b>Response Steps Taken:</b>                           |                               |

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.



**Tube City IMS**  
We Create Value

# Fugitive Emission (Dust) Control Plan

FOR A SCRAP PROCESSING OPERATION  
FACILITY AT:

USS GARY WORKS  
GARY, INDIANA

Revision:

January 15, 2001

October 18, 2002

August 9, 2005

June 15, 2006

Fugitive Emission (Dust) Control Plan  
FOR A SCRAP PROCESSING OPERATION FACILITY AT:  
USS GARY WORKS  
GARY, INDIANA

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## INTRODUCTION

This plan is prepared in accordance with the Indiana Department of Environmental Management (IDEM) promulgated Rule 10, 326 IAC 6-1-10, Lake County Fugitive Particulate Matter and 326 IAC 6-1-10.4, Control Plans. This rule requires that affected sources submit a fugitive particulate control plan to reduce emissions of PM-10 (particulate matter with an aerodynamic diameter of 10 microns or less) from nontraditional sources of fugitive emissions. This plan must include a description of each nontraditional source, measurements of the parameters needed to estimate emissions from these sources, control measures and other work practices to be employed to limit PM-10 emissions from these sources, and conditions (i.e. rain, snow, high wind speeds, freezing conditions, etc.) that may prevent or delay routine implementation of some control measures.

The following sections contain the plan developed to control fugitive particulate emissions from Tube City Division, Tube City IMS at USS Gary Works. This plan will be implemented on a year round basis except, when not required to do so under Section F – Conditions Preventing Use of Control Measures.

## THE PLAN

**(1)** Within six (6) months of June 11, 1993, a source to which this rule applies shall submit a control plan that, when fully implemented, will achieve compliance with the applicable emission limitations stated in section 3 of this rule. Failure to submit a control plan in accordance with this rule shall be considered a violation of this article. A control plan shall also be included as part of a construction permit application under 326 IAC 2-5.1.

**(2)** A control plan, upon submittal to the department, shall become part of a source's operating permit or registration conditions.

**(3)** The Control Plan shall contain the following information:

### **(A) The name and address**

Source and Owner/Operator:

Tube City, LLC, d/b/a Tube City Division, Tube City IMS

Business Address: P.O. Box 64753  
Gary, IN 46410

Delivery Address: 1 North Broadway  
Gary, IN 46401

**(B) Identification of the facilities or operations listed in Section 1(a)(1) of this rule and those affected by 326 IAC 6.8-2 through 326 IAC 6.8-7 that exist at the source.**

Fugitive Emission (Dust) Control Plan  
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USS GARY WORKS  
GARY, INDIANA

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**1 Paved Roadways and Parking Lots**

Figure 1 shows the locations of existing paved parking areas at the facility. Paved parking areas that require control measures specified by this plan are identified on the Figure 1.

**2 Unpaved Roadways and Open Areas**

Figure 1 shows the locations of existing unpaved roads and open areas at the facility. Unpaved roads and open areas that require control measures specified by this plan are identified on the Figure 1.

**3 Material Handling Facilities**

The material handling activities have a low potential to generate fugitive particulate. Material transfer (loading/unloading) locations are on the Figure 1. Material transfers may result in minor fugitive emissions due to the movement of ferrous and nonferrous materials where dust or dirt has settled.

**4 Storage Piles and Exposed Areas**

All pile locations may result in minor fugitive emissions due to the movement of ferrous and nonferrous materials where dust or dirt has settled. The approximate locations of the various storage piles are identified on the Figure 1. Because of the transient nature of these storage piles, the exact pile locations may change but the general storage pile areas will remain the same. Load-in and load-out operations are also transient and take place throughout the area. Unpaved open areas without roadway designations may require treatment to reduce windblown emissions or to prevent visible emissions from vehicular traffic that utilize these areas.

**5 Material Transportation activities**

Materials transported consist of unprocessed and processed ferrous and nonferrous materials related to steel scrap. Transportation is by trucks and rail.

**6 Material Processing Facilities**

Material processing operations are insignificant sources of fugitive emissions.

a. Hand Torch Burning

The ferrous material cutting operation uses pressurized oxygen and natural gas that may result in minor fugitive emissions. The falling of cut ferrous material (no greater than four feet from ground) may result in minor fugitive emissions.

b. Hydraulically Powered Balers

The input points of the Balers result in minor fugitive emissions due to the movement of ferrous materials where dust or dirt has settled.

**7 Dust handling equipment.**

None.

**8 Other potential fugitive emission sources.**

None.

**(C) A map showing the location of all of the following:**

Fugitive Emission (Dust) Control Plan  
FOR A SCRAP PROCESSING OPERATION FACILITY AT:  
USS GARY WORKS  
GARY, INDIANA

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- (i) Unpaved roads.**
- (ii) Paved roads.**
- (iii) Parking lots.**
- (iv) Storage piles.**
- (v) Material processing facilities.**
- (vi) Dust handling equipment.**
- (vii) Material transfer points.**
- (viii) Waste disposal and reclamation sites.**

Figure 1 identifies the approximate locations of unpaved and paved roads, parking areas, storage piles, material processing facilities and material transfer points. There are no dust handling equipment or waste disposal and reclamation sites at this facility.

**(D) A full description of the facilities on the map, including the following information, where applicable:**

**(i) The road lengths and widths, average daily traffic, surface silt loading, classification of vehicle traffic, and other data necessary to estimate PM10 emissions from paved and unpaved roads and parking lots.**

**(ii) A description of each storage pile, including the following:**

**(AA) The type of material in the pile.**

**(BB) Its moisture content.**

**(CC) The silt content.**

**(DD) The throughput.**

**(EE) The equipment used to load onto and load out of the storage piles.**

**(iii) A complete description of the material processing facilities on the plant property, including the following:**

**(AA) A material flow diagram of the processing lines.**

**(BB) The rated capacity of each piece of equipment.**

**(CC) The existing control equipment and their efficiencies, including the process equipment served.**

**(iv) A complete description of the material transfer, inplant transportation, and dust handling equipment. Material transfer operations shall include, at a minimum, those operations contained in section 2(13) of this rule.**

**(v) A complete description of all other fugitive particulate matter emitting facilities not covered in this clause.**

(i) Table 1 contains the road lengths and widths, average daily traffic, surface silt loading, classification of vehicle traffic, and other data necessary to estimate PM10 emissions from paved and unpaved roads and parking areas.

(ii) Table 2 contains a description of each storage pile including the following:

(AA) The type of material in the pile.

(BB) Its moisture content.

(CC) The silt content.

(DD) The throughput.

(EE) The equipment used to load onto and load out of the storage piles.

(iii) Table 3 Contains complete description of the material processing facilities on the plant property, including the following:

Fugitive Emission (Dust) Control Plan  
FOR A SCRAP PROCESSING OPERATION FACILITY AT:  
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GARY, INDIANA

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- (AA) A material flow diagram of the processing lines.
- (BB) The rated capacity of each piece of equipment.
- (CC) The existing control equipment and their efficiencies, including the process equipment served.

(iv) Table 4 Contains a complete description of the material transfer and inplant transportation. There is no dust handling equipment. Material transfer operations shall include, at a minimum, those operations contained in Section 2(13) of this rule.

(v) There are no fugitive particulate matter emitting facilities not covered in this clause.

**(E) The description of the proposed control measures and practices that the source will employ to achieve compliance with the emission limitations and data that prove its effectiveness.**

### **1 Paved Roadways and Parking Area Cleaning**

All paved parking areas listed in Table 1 and identified on Figure 1 and will be swept as needed.

### **2 Unpaved Roadway Treatment**

All unpaved roadways listed in Table 1 and identified on Figure 1 will be treated with water and/or with a commercially produced chemical dust suppressant specifically manufactured for that purpose. Application rates and frequencies will be consistent with the manufacturers recommendations to achieve the degree of control required to meet the applicable emission limitation. At times, recommended application rates may be too high to be absorbed by the roadway in one step. In that case, application will be adjusted in dust suppressant concentration and frequency to ensure proper control of particulate emissions per 326 IAC 6-1-10.3.

### **3 Material Transfer and Inplant Transportation Control**

All plant roads shall have posted 10 mph speed limits with a few exceptions dependent upon location and utilization. Enforcement of these posted speed limits shall be the responsibility of the various plant security forces who will employ security vehicles and radar. Inplant transportation of material by truck will be carried out in such a manner that meets the opacity standard found in 326 IAC 6-1-11.1 (d)(6). Material transported by rail or trucks that generate visible particulate emissions will be covered to meet the applicable emission limit.

### **4a Material Storage Area Treatment**

When handling material at any pile location or material transfer area, equipment operators are instructed to handle the material as smoothly and cautiously as possible to prevent the agitation of fugitive dust emissions. Water or a dust suppressant will be applied to storage piles, April through November, on an as needed basis to meet the opacity limitation specified in 326 IAC 6-1-11.1.

### **4b Exposed Area Treatment**

Unpaved open areas without roadway designations may require treatment to reduce windblown emissions or to prevent visible emissions from vehicular traffic that utilize these areas. The facility will commit to the opacity-based mechanism of the average instantaneous opacity of 10% as described in 326 IAC 6-1-11.1. Application of dust suppressant chemical will be done at

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a frequency and application rate to effectively control fugitive dust to the above stated opacity limitation.

## **5 Material Transportation activities**

See 3 above

## **6 Material Processing Facilities**

### **1. Hand Torch Burning Beds**

Standard Operating Procedures – Fugitive emissions are primarily generated by metal re-oxidation during the cutting operation and by disturbing soil from the force of the oxygen and fuel gas in the torch. The BATs for hand torch burning are:

- a. Elevated work stations – Skids (10 to 20 foot long x 1-foot high steel billets) are placed in direct ground contact throughout the burning beds. Unprepared work pieces are positioned on the skids so that oxidized metal can drip from the torch-affected area and air cool before contacting the ground below. The elevation further prevents the force of the oxygen and fuel gas in the torch from creating airborne particulate.
- b. Periodic Cleaning of Burn Beds – Torch drippings are periodically removed from the burn beds to prevent their reoxidation. Work surfaces are graded, and skids reset to maintain the height of the elevated work stations.

### **2. Hydraulically Powered Balers**

The baling process is non-emissive. However, fugitive emissions may be generated during material handling activities at those workstations. Equipment operators are trained to handle the materials as smoothly as possible to prevent the agitation of soils in and around the workstations.

## **7 Dust handling equipment.**

None.

## **8 Other potential fugitive emission sources.**

None.

**(F) A list of the conditions that will prevent control measures and practices from being applied and alternative control practices and measures that will achieve compliance with the emission limitations.**

**The control measures as listed above will not perform under the following set of conditions**

### **Conditions for Unpaved Roadways and Areas and Storage Piles**

The treating of unpaved road segments, unpaved areas, or storage piles may be delayed when:

- It is raining or snowing at the time of the scheduled treatment.

Fugitive Emission (Dust) Control Plan  
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- Greater than 0.1 inches of rain or 0.5 inches of snow has accumulated during the 24-hour period prior to the scheduled treatment.
- Road segments, areas, or piles are saturated with water such that chemical dust suppressants cannot be accepted by the surface.
- Road segments, areas, or piles are frozen or covered by ice, snow or standing water.
- The road segment or area is closed or abandoned. Abandoned roads will be barricaded.
- Treatment is not required because the unpaved road or open area meets the opacity limitation specified in 326 IAC 6-1-10.3(2).
- Sustained wind speeds are excessive.

The treatment of exposed areas and storage piles may be temporarily suspended during periods when excessive wind speeds would result in ineffective or wasteful chemical use.

**(G) A schedule for achieving compliance with the provisions of the control plan. The schedule shall specify the time required to:**

- (i) award necessary contracts; and**
- (ii) begin and complete construction and installation.**

**Final compliance shall be achieved no later than December 10, 1993.**

None. Fugitive dust control measures as described have all been initiated and are on-going.

**(4) The source shall keep the following documentation to show compliance with each of its control measures and control practices:**

**(A) A map or diagram showing the location of all emission sources controlled, including the:**

- (i) location;**
- (ii) identification;**
- (iii) length; and**
- (iv) width of roadways.**

**(B) For each application of water or chemical solution to roadways, the following shall be recorded:**

- (i) The name and location of the roadway controlled.**
- (ii) Application rate.**
- (iii) The time of each application.**
- (iv) The width of each application.**
- (v) The identification of each method of application.**
- (vi) The total quantity of water or chemical used for each application.**
- (vii) For each application of chemical solution, the concentration and identity of the chemical.**
- (viii) The material data safety sheets for each chemical.**

Fugitive Emission (Dust) Control Plan  
FOR A SCRAP PROCESSING OPERATION FACILITY AT:  
USS GARY WORKS  
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**(C) For application of physical or chemical control agents not covered by clause (B), the following:**

- (i) The name of the agent.**
- (ii) The location of application.**
- (iii) The application rate.**
- (iv) The total quantity of agent used.**
- (v) If diluted, the percent of concentration.**
- (vi) The material data safety sheets for each chemical.**

**(D) A log recording incidents when control measures were not used and a statement of explanation.**

**(E) Copies of all records required by this rule shall be submitted to IDEM within twenty (20) working days of a written request by IDEM.**

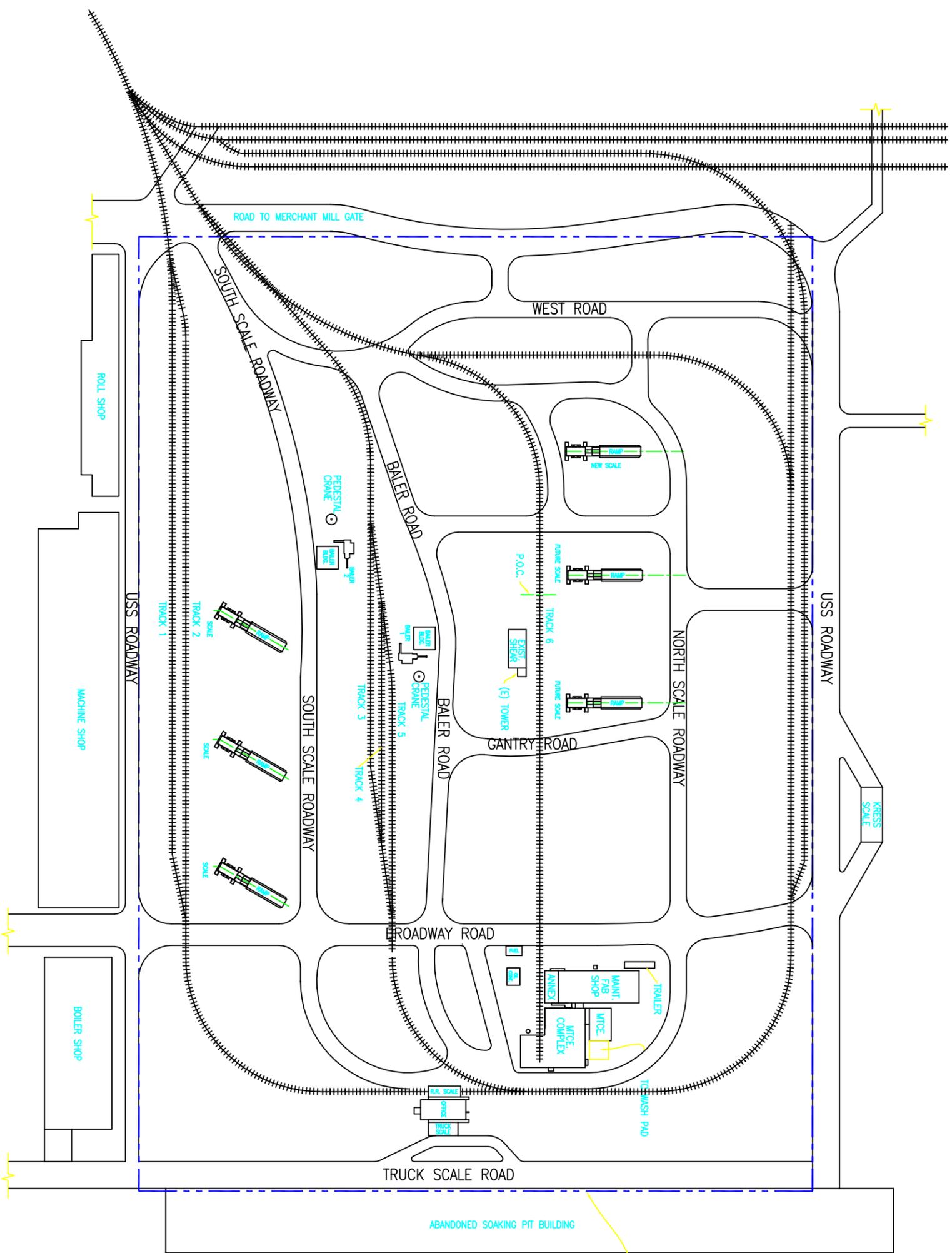
**(F) The records required under this subdivision shall be:**

- (i) kept and maintained for at least three (3) years; and**
- (ii) available for inspection and copying by IDEM representatives during working hours.**

**(G) A quarterly report shall be submitted to IDEM stating the following:**

- (i) The dates any required control measures were not implemented.**
- (ii) A listing of those control measures.**
- (iii) The reasons that the control measures were not implemented.**
- (iv) Any corrective action taken.**

|  |       |   |   |   |   |   |   |   |   |          |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <table border="1"> <tr> <td>DWG. No.</td> <td>TITLE</td> </tr> <tr> <td> </td> <td> </td> </tr> </table> |       |   |   |   |   |   |   |   |   | DWG. No. | TITLE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DWG. No.   | TITLE |   |   |   |   |   |   |   |   |          |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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PROJECT NUMBER: **G24037**  
 DRAWING NUMBER: **2**

| REV | DATE        | DESCRIPTION                    |
|-----|-------------|--------------------------------|
| 2   | 12/09 12/09 | REMOVED ROADWAYS               |
| 1   | 12/09 12/09 | LATEST FIVE ISSUES & REVISIONS |

1155 Business Center Dr  
 Horsesham, PA 19044-3454  
 215-956-5974  
**Tube City IMS**

THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF IMS. A TUBE CITY IMS CORPORATION. POSSESSION HEREOF DOES NOT CONFER PERMISSION OR RIGHTS TO REPRODUCE, USE, OR DISCLOSE, AND INFORMATION OF ANY PART THEREOF WITHOUT THE EXPRESS WRITTEN PERMISSION OF IMS.

**US Steel Gary Works**  
 Gary, IN

**FIGURE 1**  
**Tube City Property**  
**Property Plan**

DATE: 9/21/07  
 DRAWING NUMBER: G24037

DIMENSIONS ARE IN INCHES  
 THIRD-ANGLE PROJECTION

**Indiana Department of Environmental Management  
Office of Air Quality**

**Technical Support Document (TSD) for a Part 70 Significant Permit  
Modification**

**Source Description and Location**

|                                      |  |
|--------------------------------------|--|
| Source Name:                         | Tube City Division, Tube City IMS (formerly known as Tube City, LLC), an on-site contractor of US Steel-Gary Works |
| Source Location:                     | One North Broadway, Gary, Indiana 46401  |
| County:                              | Lake   |
| SIC Code:                            | 5093   |
| Operation Permit No.:                | T 089-7648-00174   |
| Operation Permit Issuance Date:      | August 17, 2006  |
| Significant Permit Modification No.: | 089-23674-00174  |
| Permit Reviewer:                     | Jean Boling  |

**Source Definition**

US Steel - Gary Works is an integrated steel mill consists of a main mill and an on-site contractor:

- (a) US Steel, Gary Works, 089-00121, the primary operation, located at One North Broadway, Gary, IN 46402; and
- (b) Tube City Division, Tube City IMS, 089-00174, the on-site contractor, located at One North Broadway, Gary, IN 46401.

IDEM has determined that US Steel, Gary Works and Tube City Division, Tube City IMS are under the common control of US Steel, Gary Works. These two plants are considered one source due to contractual control. Therefore, the term "source" in the Part 70 documents refers to both US Steel, Gary Works and Tube City Division, Tube City IMS. as one source.

Separate Part 70 Operating permits have been issued to US Steel, Gary Works (T089-7663-00121) and Tube City Division, Tube City IMS (T089-7648-00174), solely for administrative purposes.

**Existing Approvals**

The source was issued Part 70 Operating Permit No. T089-7648-00174 on August 17, 2006. This modification is the first action affecting the permit.

**County Attainment Status**

The source is located in Lake County.

| Pollutant  | Designation   |
|--|---|
| SO <sub>2</sub>  | 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 <sup>th</sup> 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 <sub>3</sub>   | Nonattainment Subpart 2 Moderate effective June 15, 2004, for the 8-hour ozone standard. <sup>1</sup>   |
| PM <sub>10</sub>   | 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 <sub>2</sub>  | Cannot be classified or better than national standards.   |
| Pb   | Not designated.   |
| <sup>1</sup> Nonattainment Severe 17, effective November 15, 1990, for the Chicago-Gary-Lake County area for the 1-hour ozone standard which was revoked effective June 15, 2005. Basic nonattainment designation effective federally April 5, 2005, for PM <sub>2.5</sub> . |   |

(a) Ozone Standards

- (1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.
- (2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, and St. Joseph as attainment for the 8-hour ozone standard.
- (3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Clark, Elkhart, Floyd, LaPorte, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, Shelby, and St. Joseph as attainment for the 8-hour ozone standard.
- (4) Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone.

(i) 1-hour ozone standard

On December 22, 2006 the United States Court of Appeals, District of Columbia issued a decision which served to partially vacate and remand the U.S. EPA's final rule for implementation of the eight-hour National Ambient Air quality Standard for ozone. *South Coast Air Quality Mgmt. Dist. v. EPA*, 472 F.3d 882 (D.C. Cir., December 22, 2006), *rehearing denied* 2007 U.S. App. LEXIS 13748 (D.C. Cir., June 8, 2007). The U.S. EPA has instructed IDEM to issue permits in accordance with its interpretation of the *South Coast* decision as follows: Gary-Lake-Porter County was previously designated as a severe non-attainment area prior to revocation of the one-hour ozone standard, therefore, pursuant to the anti-backsliding provisions of the Clean Air Act, any new or existing source must be subject to the major source applicability cut-offs and offset ratios under the area's previous one-hour standard designation. This means that

a source must achieve the Lowest Achievable Emission Rate (LAER) if it exceeds 25 tons per year of VOC emissions and must offset any increase in VOC emissions by a decrease of 1.3 times that amount.

On January 26, 1996 in 40 CFR 52.777(i), the U.S. EPA granted a waiver of the requirements of Section 182(f) of the CAA for Lake and Porter Counties, including the lower NO<sub>x</sub> threshold for nonattainment new source review. Therefore, VOC emissions alone are considered when evaluating the rule applicability relating to the 1-hour ozone standards. Therefore, VOC emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability for the source section.

(ii) 8-hour ozone standard

VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to the 8-hour ozone standard. Lake County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability – Entire Source section.

(b) PM<sub>2.5</sub>

U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Lake County as nonattainment for PM<sub>2.5</sub>. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. 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 New Source Review Rule for PM<sub>2.5</sub> promulgated on May 8, 2008, and effective on July 15, 2008. Therefore, direct PM<sub>2.5</sub> and SO<sub>2</sub> emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.

(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.

(d) Fugitive Emissions

Since this type of operation is one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

|                           |
|---------------------------|
| <b>Enforcement Issues</b> |
|---------------------------|

There are no pending enforcement actions related to this modification.

|   |
|---|
| <b>Description of Proposed Modification</b> |
|---|

The Office of Air Quality (OAQ) has reviewed an appeal resolution letter, submitted by Tube City Division, Tube City IMS (formerly known as Tube City, LLC) on September 21, 2006, relating to requested changes to the Part 70 Operating Permit No. T089-7648-00174, issued August 17, 2006. The permit is being modified to incorporate the changes that were agreed upon between Tube City Division, Tube City IMS and IDEM, OAQ.

### Permit Level Determination – Part 70

This modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d)(1), because the modification requires significant changes to existing monitoring.

### Federal Rule Applicability Determination

This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities (40 CFR Part 63.11110, Subpart CCCCCC); because this rule applies only to area sources. Since the potential to emit of any single HAP is equal to or greater than ten (10) tons per year and/or the potential to emit of a combination of HAPs is equal to or greater than twenty-five (25) tons per year, US Steel, Gary Works, the primary operation, is a major source of HAPs. Therefore, Tube City Division, Tube City IMS does not meet the definition of an area source.

### State Rule Applicability Determination

The state rule applicability for this source remains unchanged as a result of this modification.

### Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T089-7648-00174. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

- (a) **IDEM branch and section names and mailing address changes**  
Several of IDEM's branches and sections have been renamed. References to "Permit Administration and Development Section" and the "Permits Branch" have been changed to "Permit Administration and Support Section". References to "Asbestos Section", "Compliance Data Section", "Air Compliance Section", and "Compliance Branch" have been changed to "Compliance and Enforcement Branch". All references to IDEM, OAQ's mailing address have been changed as well. Therefore, IDEM has revised the branch and section names and addresses listed in the permit as follows:

Indiana Department of Environmental Management  
Permits **Administration and Support Section Branch**, Office of Air Quality  
100 North Senate Avenue, ~~P.O. Box 6015~~  
**MC 61-53 IGCN 1003**  
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Indiana Department of Environmental Management  
**Permits Administration and** Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue, ~~P.O. Box 6015~~  
**MC 61-53 IGCN 1003**  
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Indiana Department of Environmental Management  
**Compliance and Enforcement Branch** ~~Asbestos Section~~, Office of Air Quality  
100 North Senate Avenue, ~~P.O. Box 6015~~  
**MC 61-53 IGCN 1003**  
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Indiana Department of Environmental Management  
Compliance **and Enforcement** Branch, Office of Air Quality  
100 North Senate Avenue, ~~P.O. Box 6015~~  
**MC 61-53 IGCN 1003**  
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

Indiana Department of Environmental Management  
Compliance **and Enforcement Branch Data Section**, Office of Air Quality  
100 North Senate Avenue, ~~P.O. Box 6015~~  
**MC 61-53 IGCN 1003**  
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

- (b) **IDEM, OAQ Compliance and Enforcement Branch Phone and Fax Number changes**  
All references to the IDEM, OAQ, Compliance and Enforcement Branch's telephone and facsimile numbers have been revised as follows: ~~317-233-5674~~ **317-233-0178** (phone) **and** ~~317-233-5967~~ **317-233-6865** (facsimile).
- (c) **Section A changes**

To minimize future amendments to the issued Part 70 Permits, the OAQ decided to delete the name and/or title of the Responsible Official (RO) in Section A.1, General Information, of the permit. However, OAQ will still be evaluating if a change in RO meets the criteria specified in 326 IAC 2-7-1(34). The revised permit condition is as follows:

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary scrap metal processing operation.

|                                  |  |
|----------------------------------|--|
| <del>Responsible Official:</del> | <del>VP Technical Services</del>                   |
| Source Address:                  | One North Broadway, Gary, Indiana 46402            |
| Mailing Address:                 | 1155 Business Center Drive, Horsham, PA 19044-3454 |

\*\*\*

**Modification No. 1**

The company is now operating under a new name; therefore the name has been changed throughout the document from Tube City, LLC. to Tube City Division, Tube City IMS.

**Modification No. 2**

Section A.2 has been modified to update and revise the source definition language. The permit has been revised as follows:

A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

US Steel - Gary Works is an integrated steel mill that consists of a main mill and an on-site contractor:

- (a) US Steel, Gary Works, 089-00121, the primary operation, is located at One North Broadway, Gary, IN 46402; and
- (b) Tube City, ~~LLC~~, **Division, Tube City IMS**, 089-00174, the on-site contractor, is located at One North Broadway, Gary, IN 46401.

Separate Part 70 **Operating** permits ~~will be have been~~ issued to US Steel, Gary Works with Permit No. T089-7663-00121 and Tube City, ~~LLC~~, **Division, Tube City IMS** with Permit No. T089-7648-00174 solely for administrative purposes.

### Modification No. 3

Sections A.3 and D.1 have been modified to remove "for the balers" from shear and scrap metal cutting stations' emission unit descriptions, therefore, the permit has been revised as follows:

#### A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

Tube City Division, Tube City IMS, consists of the following:

- (a) Two (2) scrap metal Balers, identified as units No. 1 and No. 2, constructed in 1991, with a maximum capacity of 109.82 tons per hour each of scrap metal baled for transport to the US Steel basic oxygen furnaces (BOFs);
- (b) One (1) shear for cutting scrap metal, identified as unit No. 3, constructed in 1991, with a maximum capacity of 35 tons per hour of scrap metal ~~cut for the balers~~;
- (c) Fourteen (14) scrap metal cutting stations, identified as unit No. 4, constructed in 1991, with a capacity of 150,000 Btu per hour for each cutting torch of natural gas and oxygen to cut 51.2 tons per hour of ~~metal scrap metal for the balers~~;

\*\*\*

### SECTION D.1

### FACILITY OPERATION CONDITIONS

**Facility Description [326 IAC 2-7-5(15)]:** The iron and scrap processing consists of the following:

- (a) Two (2) scrap metal Balers, identified as units Nos. 1 and 2, constructed in 1991, with a maximum capacity of 109.82 tons per hour each of scrap metal baled for transport to the US Steel basic oxygen furnaces (BOFs).
- (b) One (1) shear for cutting scrap metal, identified as unit No. 3, constructed in 1991, with a maximum capacity of 35 tons per hour of scrap metal ~~cut for the balers~~.
- (c) Fourteen (14) scrap metal cutting stations, identified as unit No. 4, constructed in 1991, with a maximum capacity of 150,000 btu per hour of natural gas and oxygen for each cutting torch to cut 51.2 tons per hour of ~~metal scrap metal for the balers~~.
- (d) Fugitive Dust Sources consisting of, but not limited to the following:
  - (1) Paved Roads and Parking Lots
  - (2) Unpaved Roads and Parking Lots
  - (3) Batch Transfer-Loading and Unloading Operations
  - (4) Continuous Transfer In and Out of Storage Piles
  - (5) Wind Erosion from Storage Piles and Open Areas
  - (6) In Plant Transfer by Truck or Rail
  - (7) In Plant Transfer by Front End Loader or Skip Hoist
  - (8) Material Processing Facility (except Crusher Fugitive Emissions)
  - (9) Material Processing Facility Building Openings

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

#### Modification No. 4

Sections A.4 and D.2 have been modified to provide a complete list of the storage tanks referred to in the descriptions for line items (d) and (e) and to remove references to throughput in both emission unit descriptions. The throughput for the petroleum dispensing facility, 230,000 gallons per month, and storage tanks, 12,000 gallons per year are not needed in the descriptions for these emission units. The permit has been revised as follows:

A.4 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]  
[326 IAC 2-7-5(15)]

---

Tube City, LLC, **Division, Tube City IMS** includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-5(a)][326 IAC 8-3-8]

\*\*\*

- (c) A gasoline fuel transfer and dispensing operation handling less than or equal to **one thousand three hundred (1,300) gallons per day and filling storage tanks having a capacity equal to or less than ten thousand five hundred (10,500) gallons. Such storage tanks may be in a fixed location or on mobile equipment.** ~~1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons.~~ [326 IAC 8-9-1]

**The Tube City IMS container within this category is identified as Container #3, gasoline - 550 gallons.**

- (d) A petroleum fuel, other than gasoline, dispensing facility having a storage **tank** capacity less than or equal to **ten thousand five hundred (10,500) gallons, and dispensing three thousand five hundred (3,500) gallons per day or less.** ~~10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.~~ [326 IAC 8-9-1]

**Tube City IMS containers within this category are identified as follows:**

- (1) **Container #1, diesel - 3,000 gallons;**
- (2) **Container #2, diesel - 330 gallons; and**
- (3) **Container #4, diesel - 8,000 gallons.**

- (e) Storage tanks with capacity less than or equal to **one thousand (1,000) gallons and annual throughputs equal to or less than twelve thousand (12,000) gallons.** ~~1000 gallons and annual throughput less than 12,000 gallons.~~ [326 IAC 8-9-1]

**Tube City IMS containers within this category are identified as follows:**

- (1) **Container #5, hydraulic oil - 500 gallons**
- (2) **Container #6, hydraulic oil - 500 gallons**
- (3) **Container #7, hydraulic oil - 2,500 gallons**
- (4) **Container #8, hydraulic oil - 2,500 gallons**
- (5) **Container #9, gear oil - 550 gallons**
- (6) **Container #10, hydraulic oil - 1,000 gallons**
- (7) **Container #11, antifreeze - 550 gallons**
- (8) **Container #12, motor oil - 550 gallons**
- (9) **Container #14, used oil - 1,000 gallons**

## SECTION D.2

## FACILITY OPERATION CONDITIONS

**Facility Description [326 IAC 2-7-5(15)]:** The following Specifically Regulated insignificant activities as defined in 326 IAC 2-7-1(21):

- (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-8(a)][326 IAC 8-3-8]
- (b) Cleaners and solvents characterized as follows:
  - (1) Having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38°C (100°F) or;
  - (2) Having a vapor pressure equal to or less than 0.7 kPa; 5mm Hg; or 0.1 psi measured at 20°C (68°F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months. [326 IAC 8-3-5(a)][326 IAC 8-3-8]

- (c) A gasoline fuel transfer and dispensing operation handling less than or equal to **one thousand three hundred (1,300) gallons per day and filling storage tanks having a capacity equal to or less than ten thousand five hundred (10,500) gallons. Such storage tanks may be in a fixed location or on mobile equipment.** ~~1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons.~~ [326 IAC 8-9-1]

**The Tube City IMS container within this category is identified as Container #3, gasoline - 550 gallons.**

- (d) A petroleum fuel, other than gasoline, dispensing facility having a storage **tank** capacity less than or equal to **ten thousand five hundred (10,500) gallons, and dispensing three thousand five hundred (3,500) gallons per day or less.** ~~10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.~~ [326 IAC 8-9-1]

**Tube City IMS containers within this category are identified as follows:**

- (1) **Container #1, diesel - 3,000 gallons;**
- (2) **Container #2, diesel - 330 gallons; and**
- (3) **Container #4, diesel - 8,000 gallons.**

- (e) Storage tanks with capacity less than or equal to **one thousand (1,000) gallons and annual throughputs equal to or less than twelve thousand (12,000) gallons.** ~~1,000 gallons and annual throughput less than 12,000 gallons.~~ [326 IAC 8-9-1]

**Tube City IMS containers within this category are identified as follows:**

- (1) **Container #5, hydraulic oil - 500 gallons**
- (2) **Container #6, hydraulic oil - 500 gallons**
- (3) **Container #7, hydraulic oil - 2,500 gallons**
- (4) **Container #8, hydraulic oil - 2,500 gallons**
- (5) **Container #9, gear oil - 550 gallons**
- (6) **Container #10, hydraulic oil - 1,000 gallons**
- (7) **Container #11, antifreeze - 550 gallons**
- (8) **Container #12, motor oil - 550 gallons**
- (9) **Container #14, used oil - 1,000 gallons**

### Modification No. 5

Section C.5 has been modified to revise the language associated with the Fugitive Dust Control Plan (FDCP). The FDCP plan has been attached to the permit and the permit has been revised as follows:

#### C.5 Fugitive Dust Emissions [326 IAC 6.8-10 and 326 IAC 6.8-11]

---

- (a) Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1(d) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:
- (1) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).
- \*\*\*
- (b) The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan ~~submitted on June 15, 2006. (See attached FDCP).~~

### Modification No. 6

Section D.1 has been modified to revise the compliance determination requirements language for Condition D.1.3. This language is consistent with the fugitive dust control language found in the company's other steel mill contractors' permits. The permit has been revised as follows:

#### D.1.3 Fugitive Dust Control

---

- ~~(a) The water spray control for fugitive particulate matter emissions from the transferring and conveying operations shall be in operation at all times the transferring and conveying operations are in operation.~~
- ~~(b) The dust suppression used as control for the fugitive particulate emissions from the fugitive dust sources shall be applied as often as necessary to control fugitive dust.~~

**In order to comply with Condition D.1.1, the water spray control for fugitive particulate emissions from the transferring and conveying operations and other fugitive dust sources shall be applied in a manner and at a frequency sufficient to ensure compliance with Condition D.1.1.**

### Modification No. 7

Sections D.1 has been modified to add compliance determination, recordkeeping and reporting requirements related to fugitive emissions. Permit conditions have been renumbered accordingly. The permit has been revised as follows:

#### D.1.4 Fugitive Particulate Matter (PM) [326 IAC 6.8-10] [326 IAC 2-2][326 IAC 2-1.1-5]

---

**Pursuant to 326 IAC 6.8-10 (Lake County Fugitive Particulate Matter), compliance with the opacity limits specified in Condition C.5 shall be achieved by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan (FDCP) attached. If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAQ may request that the FDCP be revised and submitted for approval.**

**Opacity from the activities shall be determined as follows:**

- (1) **Paved Roads and Parking Lots**  
The average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:

- (A) The first will be taken at the time of emission generation.  
(B) The second will be taken five (5) seconds later.  
(C) The third will be taken five (5) seconds later or ten (10) seconds after the first.

The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.

- (2) **Unpaved Roads and Parking**  
The fugitive particulate emissions from unpaved roads shall be controlled by the implementation of a work program and work practice under the fugitive dust control plan.
- (3) **Batch Transfer**  
The average instantaneous opacity shall consist of the average of three (3) opacity readings taken five (5) seconds, ten (10) seconds, and fifteen (15) seconds after the end of one (1) batch loading or unloading operation. The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume.
- (4) **Continuous Transfer**  
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9. The opacity readings shall be taken at least four (4) feet from the point of origin.
- (5) **Wind Erosion from Storage Piles**  
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9, except that the opacity shall be observed at approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. The limitations may not apply during periods when applications of fugitive particulate control measures are either ineffective or unreasonable due to sustained very high wind speeds. During such periods, the company must continue to implement all reasonable fugitive particulate control measures and maintain records documenting the application of measures and the basis for a claim that meeting the opacity limitation was not reasonable given prevailing wind conditions.
- (6) **Wind Erosion from Exposed Areas**  
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9.
- (7) **Material Transported by Truck or Rail**

**Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 22, except that the observation shall be taken at approximately right angles to the prevailing wind from the leeward side of the truck or railroad car. Material transported by truck or rail that is enclosed and covered shall be considered in compliance with the in plant transportation requirement.**

- (8) Material Transported by Front End Loader or Skip Hoist**  
Compliance with this limitation shall be determined by the average of three (3) opacity readings taken at five (5) second intervals. The three (3) opacity readings shall be taken as follows:

- (A) The first will be taken at the time of emission generation.**
- (B) The second will be taken five (5) seconds later.**
- (C) The third will be taken five (5) seconds later or ten (10) seconds after the first.**

The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand at least fifteen (15) feet from the plume approximately and at right angles to the plume. Each reading shall be taken approximately four (4) feet above the surface of the roadway or parking area.

- (9) Material Processing Limitations**  
Compliance with all opacity limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 9. Compliance with all visible emissions limitations from material processing equipment shall be determined using 40 CFR 60, Appendix A, Method 22. Compliance with all particulate matter limitations from material processing equipments shall be determined using 40 CFR 60, Appendix A, Method 5 or 17.

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

##### **D.1.6 Record Keeping Requirements**

- 
- (a) Pursuant to 326 IAC 6.8-10 (Lake County Fugitive Particulate Matter), the Permittee shall keep the following documentation to show compliance with each of its control measures and control practices:**
- (1) A map or diagram showing the location of all emission sources controlled, including the location, identification, length, and width of roadways.**
  - (2) For each application of water or chemical solution to roadways, the following shall be recorded:**
    - (A) The name and location of the roadway controlled;**
    - (B) Application rate;**
    - (C) Time of each application;**
    - (D) Width of each application;**
    - (E) Identification of each method of application;**
    - (F) Total quantity of water or chemical used for each application;**

- (G) For each application of chemical solution, the concentration and identity of the chemical; and
        - (H) The material data safety sheets for each chemical.
  - (3) For application of physical or chemical control agents not covered by 326 IAC 6.8-10-1, the following:
    - (A) The name of the agent;
    - (B) Location of application;
    - (C) Application rate;
    - (D) Total quantity of agent used;
    - (E) If diluted, percent of concentration; and
    - (F) The material data safety sheets for each chemical.
  - (4) A log recording incidents when control measures were not used and a statement of explanation.
  - (5) Copies of all records required by this section shall be submitted to the department within twenty (20) working days of a written request by the department.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### **D.1.7 Reporting Requirements**

- (a) Pursuant to 326 IAC 6.8-10 (Lake County Fugitive Particulate Matter), a quarterly report shall be submitted, stating the following:
  - (1) The dates any required control measures were not implemented.
  - (2) A listing of those control measures.
  - (3) The reasons that the control measures were not implemented.
  - (4) Any corrective action taken.

|                                      |
|--------------------------------------|
| <b>Conclusion and Recommendation</b> |
|--------------------------------------|

The operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Permit Modification No. 089-23674-00174. The staff recommends to the Commissioner that this Part 70 Modification be approved.



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
**Governor**

*Thomas W. Easterly*  
**Commissioner**

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

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

**TO:** Mike Connolly  
USS -Tube City Division, Tube City IMS  
1155 Business Cener Dr  
Horsham, PA 19044-3454

**DATE:** April 19, 2010

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

**SUBJECT:** Final Decision  
Part 70  
089-23674-00174

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:  
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 11/30/07



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

April 19, 2010

TO: Westchester Public Library

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

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

**Applicant Name: USS -Tube City Division, Tube City IMS**  
**Permit Number: 089-23674-00174**

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

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures  
Final Library.dot 11/30/07

# Mail Code 61-53

|                            |  |   |  |  |
|----------------------------|--|---|--|--|
| IDEM Staff                 | CDENNY 4/19/2010<br>USS -Tube City Division, Tube City IMS 089-23674-00174 (final) |   | AFFIX STAMP<br>HERE IF<br>USED AS<br>CERTIFICATE<br>OF MAILING |  |
| Name and address of Sender |   | Indiana Department of Environmental Management<br>Office of Air Quality – Permits Branch<br>100 N. Senate<br>Indianapolis, IN 46204 | Type of Mail:<br><br><b>CERTIFICATE OF MAILING ONLY</b>        |  |

| 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    |                | Mike Connolly USS -Tube City Division, Tube City IMS 1155 Business Cener Dr Horsham PA 19044-3454 (Source CAATS)                |         |                 |                            |               |                 |          |          |          |                |         |
| 2    |                | Gary - Hobart Water Corp 650 Madison St, P.O. Box M486 Gary IN 46401-0486 (Affected Party)                                      |         |                 |                            |               |                 |          |          |          |                |         |
| 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    |                | Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 (Affected Party)                              |         |                 |                            |               |                 |          |          |          |                |         |
| 7    |                | Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 (Affected Party)  |         |                 |                            |               |                 |          |          |          |                |         |
| 8    |                | Ms. Carolyn Marsh Lake Michigan Calumet Advisory Council 1804 Oliver St Whiting IN 46394-1725 (Affected Party)                  |         |                 |                            |               |                 |          |          |          |                |         |
| 9    |                | Mark Coleman 9 Locust Place Ogden Dunes IN 46368 (Affected Party)   |         |                 |                            |               |                 |          |          |          |                |         |
| 10   |                | Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 (Affected Party) |         |                 |                            |               |                 |          |          |          |                |         |
| 11   |                | Craig Hogarth 7901 West Morris Street Indianapolis IN 46231 (Affected Party)  |         |                 |                            |               |                 |          |          |          |                |         |
| 12   |                | Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 (Local Official)                           |         |                 |                            |               |                 |          |          |          |                |         |
| 13   |                | Northwestern In Regional Planning Com (NIRPC) 6100 Southport Road Portage IN 46368 (Affected Party)                             |         |                 |                            |               |                 |          |          |          |                |         |
| 14   |                | Anthony Copeland 2006 E. 140th Street East Chicago IN 46312 (Affected Party)  |         |                 |                            |               |                 |          |          |          |                |         |
| 15   |                | Barbara G. Perez 506 Lilac Street East Chicago IN 46312 (Affected Party)  |         |                 |                            |               |                 |          |          |          |                |         |

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| Name and address of Sender |  | Indiana Department of Environmental Management<br>Office of Air Quality – Permits Branch<br>100 N. Senate<br>Indianapolis, IN 46204 |  |

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|------|----------------|---|---------|------------------|----------------------------|---------------|-----------------|----------|----------|----------|---------------------------|
| 1    |                | Robert 3733 Parrish Avenue East Chicago IN 46312 (Affected Party)                 |         |                  |                            |               |                 |          |          |          |                           |
| 2    |                | General Manager US Steel One North Broadway Gary IN 46402 (Source ? addl contact) |         |                  |                            |               |                 |          |          |          |                           |
| 3    |                | Ms. Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 (Affected Party)         |         |                  |                            |               |                 |          |          |          |                           |
| 4    |                | Calumet Township Trustee 31 E 5th Avenue Gary IN 46402 (Affected Party)           |         |                  |                            |               |                 |          |          |          |                           |
| 5    |                | Westchester Public Library 200 West Indiana Ave Chesterton IN 46304 (Library)     |         |                  |                            |               |                 |          |          |          |                           |
| 6    |                | Joseph Hero 11723 S Oakridge Drive St. John IN 46373 (Affected Party)             |         |                  |                            |               |                 |          |          |          |                           |
| 7    |                | Gary City Council 401 Broadway # 209 Gary IN 46402 (Local Official)               |         |                  |                            |               |                 |          |          |          |                           |
| 8    |                |   |         |                  |                            |               |                 |          |          |          |                           |
| 9    |                |   |         |                  |                            |               |                 |          |          |          |                           |
| 10   |                |   |         |                  |                            |               |                 |          |          |          |                           |
| 11   |                |   |         |                  |                            |               |                 |          |          |          |                           |
| 12   |                |   |         |                  |                            |               |                 |          |          |          |                           |
| 13   |                |   |         |                  |                            |               |                 |          |          |          |                           |
| 14   |                |   |         |                  |                            |               |                 |          |          |          |                           |
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