



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant
DATE: June 30, 2006
RE: USS - Central Teaming Company Inc. / 089-7684-00172
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, 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 13-15-6-1(b) or IC 13-15-6-1(a) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204.

For an **initial Title V Operating Permit**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **thirty (30)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(b).

For a **Title V Operating Permit renewal**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **fifteen (15)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(a).

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 an initial Title V operating permit, permit renewal, 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.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204-2251
(317) 232-8603
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www.in.gov/idem

PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Central Teaming Company, Inc.
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. This permit also addresses certain new source review requirements for existing
equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-2
and 326 IAC 2-7-10.5, applicable to those conditions.

Table with permit details: Operation Permit No.: T089-7684-00172, Issued by: Original signed by Nisha Sizemore, Branch Chief Office of Air Quality, Issuance Date: June 30, 2006, Expiration Date: June 30, 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)]

The Permittee owns and operates a stationary slag, ore and pet coke screening and blending operation.

Responsible Official:	VP of Operations
Source Address:	One North Broadway, Gary, Indiana 46402
Mailing Address:	104 West 78 th Avenue, Merrillville, IN 46410
General Source Phone Number:	219-886-7112
SIC Code:	1789
Source Location Status:	Nonattainment for SO ₂ , Nonattainment for 1-hour ozone Nonattainment for 8-hour ozone Nonattainment for PM 2.5 Attainment or unclassifiable for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD, Emission Offset Rules; and Nonattainment NSR Major source Section 112 of the Clean Air Act 1 of 28 Source Categories

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) Central Teaming Company, Inc., 089-00172, the on-site contractor, is located at One North Broadway, Gary, IN 46402

Separate Part 70 permits will be issued to US Steel, Gary Works with Permit No.:089-7663-00121 and Central Teaming Company, Inc. with Permit No.:089-7684-00172, 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)]

Central Teaming Company, Inc. consists of the following:

Miscellaneous Material Handling and Material Blending

- (a) One (1) miscellaneous material handling operation, constructed in 1961, with a maximum capacity of 375 tons per hour, for loading/unloading barges and with a maximum capacity of 1,000 tons per hour unloading ships by using tracked backhoes and large rubber tire front-end loaders for use by US Steel and using the following conveyors:

- (1) One (1) miscellaneous material stacker conveyor with feeder hopper identified as 183 and 182, respectively, constructed in October 1999 and with a maximum capacity of 500 tons per hour.
- (2) One (1) miscellaneous material stacker conveyor with feeder hopper identified as MCC130 and 372, respectively, constructed in April 1985 and with a maximum capacity of 500 tons per hour.
- (b) One (1) miscellaneous material handling operation, constructed in 1961, with a maximum capacity of 835 tons per hour, for handling miscellaneous material by bulldozer into piles for use by US Steel
- (c) One (1) petroleum coke handling operation, constructed in 1961, with a maximum capacity of 40 tons per hour, for blending with the flue dust, sludge, coke, scale, scrap and granulated slag by bulldozer into piles for use by US Steel.
- (d) One (1) "A" Pile Blend handling operation, constructed in 1961, with a maximum capacity of 1278 tons per hour, in which the granulated slag, ore pellets, pet coke, flue dust, sludge, coke, scale, scrap and other materials are combined.
- (e) One (1) material blending operation, in which scrapers are used to blend the materials that have been screened and handled, operating since 1961.
- (f) One (1) transfer operation of materials from the "A" Pile to the "B" Pile by 4- wheel vehicles, operating since 1961.
- (g) One (1) material hauling operation that uses 18-wheel vehicles on paved and unpaved roads to transport materials for screening and blending, constructed in 1961.

Screening and Conveying Operations

- (a) One (1) flue dust or sludge screening plant, identified as 165 (CEC- Screen-It), constructed in May 1995, powered by a 70 Hp. Diesel engine, with a maximum capacity of 75 tons per hour, when screening flue dust, and 44.5 tons per hour when screening sludge, using the following conveyor:
 - (1) One (1) flue dust or sludge conveyor stacker, identified as 168, constructed in March 1995, with a maximum of 75 tons per hour, when conveying flue dust, and 44.5 tons per hour when conveying sludge.
- (b) One (1) coke screening plant, identified as 166, constructed in July 1961 and rebuilt in June 1996, powered by a 215 Hp diesel engine, with a maximum capacity of 350 tons per hour,
- (c) One (1) coke screening plant, identified as 161, constructed in March 1979, powered by a 130 Hp diesel engine, with a maximum capacity of 223 tons per hour, used only as backup for 166,
- (d) One (1) miscellaneous screening portable screener, identified as 174, constructed in May 1996, powered by a 49 Hp diesel engine, with a maximum capacity of 75 tons per hour,
- (e) One (1) miscellaneous portable screening plant, identified as 177, constructed in September 1997, powered by a 49 Hp diesel engine, with a maximum capacity of 75 tons per hour,

- (f) One (1) scale screening plant, identified as 163, constructed in June 1976, powered by a 130 Hp diesel engine, with a maximum capacity of 150 tons per hour, using the following conveyors:
 - (1) One (1) scale screening Magnetic head pulley, identified as 561, constructed in December 1975, with a capacity of 150 tons per hour,
 - (2) One (1) scale screening conveyor, identified as 562, constructed in March 1984, with a maximum capacity of 150 tons per hour,
 - (3) One (1) scale screening conveyor, identified as 573, constructed in April 1985, with a maximum capacity of 150 tons per hour,
 - (4) One (1) scale screening conveyor, identified as 574, constructed in April 1985, with a maximum capacity of 150 tons per hour,
 - (5) One (1) scale screening stacker conveyor, identified as 185, constructed in April 2000, with a capacity of 150 tons per hour,
- (g) One (1) 250 KW Diesel fueled generator, identified as 400, constructed in May 1981, with a maximum capacity of 0.9 MMBTU/hour, powers the scale conveyors,
- (h) One (1) 350 KW Scale conveyor diesel fueled generator, identified as 477, constructed in March 1997, with a maximum capacity of 1.2 MMBtu per hour, used as backup for scale screening generator 400,
- (i) One (1) scrap screening plant, identified as 567, constructed in September 1988, with a maximum capacity of 75 tons per hour, using the following conveyors:
 - (1) One (1) scrap screening feeder conveyor, identified as 568, constructed in September 1988, with a maximum capacity of 75 tons per hour,
 - (2) One (1) scrap screening radial stacker conveyor, identified as 178, constructed in May 1999, with a maximum capacity of 75 tons per hour,
- (j) One (1) 100 KW diesel fueled generator, identified as 445, constructed in October 1988, with a maximum capacity of 0.3 MMBtu/hour, powers the scrap conveyors,
- (k) One (1) Oversize Screen plant, identified as 175, constructed in July 1996, powered by a 130 Hp diesel engine, with a maximum capacity of 100 tons per hour; using the following conveyors:
 - (1) One (1) oversize screening magnetic head pulley conveyor, identified as 558, constructed in May 1990, with a maximum capacity of 100 tons per hour.
 - (2) One (1) oversize screening conveyor, identified as 181, constructed in August 1981, with a maximum capacity of 100 tons per hour, and used as a spare.
- (l) One (1) miscellaneous material portable screening plant, identified as 164, constructed in March 2005, powered by a 70 Hp diesel engine, with a maximum capacity of 75 tons per hour using the following conveyor:
 - (1) One miscellaneous portable stacker conveyor, identified as 176, constructed in July 1996, with a maximum capacity of 75 tons per hour.

- (m) One (1) miscellaneous material portable stacker conveyor, identified as 565, constructed in July 1987, with a maximum capacity of 500 tons per hour.

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

Central Teaming Company, Inc., also includes the following insignificant activities

- (a) Propane or liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour.
- (b) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu/hr, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 Btu/hr.
- (c) 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.
- (d) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
- (e) The VOC and HAP storage containers: vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (f) The following equipment related to manufacturing activities not resulting in the emission of HAPS: brazing equipment, cutting torches, soldering equipment, welding equipment.

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

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

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

SECTION B

GENERAL CONDITIONS

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

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

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

- (a) This permit, T089-7684-00172, 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:

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

B.4 Enforceability [326 IAC 2-7-7]

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, and 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)] [326 IAC 2-7-6(6)]

- (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 a 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 Branch, Office of Air Quality
100 North Senate Avenue
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]

- (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, 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 Branch, Office of Air Quality
100 North Senate Avenue
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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 PMP does 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 60/63 to have an Operation, Maintenance and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;

- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ 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 Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

Telephone Number: 1-888-209-8892 (Northwest Regional Office)
(Toll free within Indiana)
Telephone Number: 219-757-0265 (Northwest Regional Office)
Facsimile Number: 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:

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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

- (4) 408(a) of the Clean Air Act; and
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 T089-7684-00172 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 Data Section, Office of Air Quality
100 North Senate Avenue
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 does 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]

- (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 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, determines any of the following: 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 determines any of the following: 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)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ 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:

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Permits Branch, Office of Air Quality
100 North Senate Avenue,
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]

- (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:

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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)]

- (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)(D)(i) 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]

- (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
Permits Branch, Office of Air Quality
100 North Senate Avenue
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), (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 of 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) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.
- (b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2 and/or 326 IAC 2-3-2.

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 and the 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 13-14-2-1, 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 13-14-2-1, 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 13-14-2-1, 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 13-14-2-1, IC 13-17-3-2, and IC 13-30-3-1 utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.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
Permits Branch, Office of Air Quality
100 North Senate Avenue
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. In the event that the source is a sub-contractor and is combined with a larger Part 70 source, the larger Part 70 source may pay the Permittees' annual fees as part of the larger source billing and subject to the fee cap of the larger source. If, however, the larger Part 70 does not pay its annual Part permit fee, IDEM, OAQ will assess a separate fee in accordance with 326 IAC 2-7-19(c) to be paid by the Permittee. 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 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
- (B) 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 (3) 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 PM₁₀ 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) PM10 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 submitted on April 16, 2001. (See Attachment A)
 - (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
Asbestos Section, Office of Air Quality
100 North Senate Avenue
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 14-10-4, 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 Accredited 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 Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos Inspector is not federally enforceable.

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

C.7 Performance Testing [326 IAC 3-6]

- (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 Data Section, Office of Air Quality
100 North Senate Avenue
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 source 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.

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Gary, Indiana
Permit Reviewer: Gail McGarrity

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Compliance Requirements [326 IAC 2-1.1-11]

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

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements. 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)]

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. 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 Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

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

The notification which shall be submitted by the Permittee does require 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]

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.

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

C.11 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee shall 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 Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

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.12 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 requirement of 40 CFR 68.

C.13 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;
 - (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.14 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 and 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 not 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.15 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 criteria 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 purposes 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.16 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

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

- (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 Data Section, Office of Air Quality
100 North Senate Avenue,
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
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
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.18 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with 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 material handling, blending and hauling operations consists of the following:

- (a) One (1) miscellaneous material handling operation, constructed in 1961, with a maximum capacity of 375 tons per hour, for loading/unloading barges and with a maximum capacity of 1,000 tons per hour unloading ships by using tracked backhoes and large rubber tire front-end loaders for use by US Steel and using the following conveyors:
 - (1) One (1) miscellaneous material stacker conveyor with feeder hopper identified as 183 and 182, respectively, constructed in October 1999 and with a maximum capacity of 500 tons per hour.
 - (2) One (1) miscellaneous material stacker conveyor with feeder hopper identified as MCC130 and 372, respectively, constructed in April 1985 and with a maximum capacity of 500 tons per hour.
- (b) One (1) miscellaneous material handling operation, constructed in 1961, with a maximum capacity of 835 tons per hour, for handling miscellaneous material by bulldozer into piles for use by US Steel.
- (c) One (1) petroleum coke handling operation, constructed in 1961, with a maximum capacity of 40 tons per hour, for blending with the flue dust, sludge, coke, scale, scrap and granulated slag by bulldozer into piles for use by US Steel.
- (d) One (1) "A" Pile Blend handling operation, constructed in 1961, with a maximum capacity of 1278 tons per hour, in which the granulated slag, ore pellets, pet coke, flue dust, sludge, coke, scale, scrap and other materials are combined.
- (e) One (1) material blending operation, in which scrapers are used to blend the materials that have been screened and handled constructed in 1961.
- (f) One (1) transfer operation of materials from the "A" Pile to the "B" Pile by 4- wheel vehicles. constructed in 1961.
- (g) One (1) material hauling operation that uses 18-wheel vehicles on paved and unpaved roads to transport materials for screening and blending, constructed in 1961.

(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 screening, and conveying, 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 exist fugitive dust concentrations greater than sixty-seven percent (67%) in excess of ambient upwind concentrations as determined by the following formula:

$$P = 100 (R) - U$$

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 screening, and conveying, 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)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the screening, conveying, blending and transferring operations.

Compliance Determination

D.1.3 Fugitive Dust Control

The dust suppression used as control for the fugitive particulate emissions from the screening, conveying, blending and transferring shall be applied as necessary to control fugitive dust.

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

D.1.4 Visible Emissions Notations

- (a) Visible emission notations of the screening, conveying, blending and transferring shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.5 Record Keeping Requirements

- (a) To document compliance with Condition D.1.4, the Permittee shall maintain records of the once per shift visible emission notations.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Fugitive Dust screening and conveying operations consisting of the following:

- (a) One (1) flue dust or sludge screening plant, identified as 165 (CEC- Screen-It), constructed in May 1995, powered by a 70 Hp. Diesel engine, with a maximum capacity of 75 tons per hour, when screening flue dust, and 44.5 tons per hour when screening sludge, using the following conveyor:
 - (1) One (1) flue dust or sludge conveyor stacker, identified as 168, constructed in March 1995, with a maximum of 75 tons per hour, when conveying flue dust, and 44.5 tons per hour when conveying sludge.
- (b) One (1) coke screening plant, identified as 166, constructed in July 1961 and rebuilt in June 1996, powered by a 215 Hp diesel engine, with a maximum capacity of 350 tons per hour.
- (c) One (1) coke screening plant, identified as 161, constructed in March 1979, powered by a 130 Hp diesel engine, with a maximum capacity of 223 tons per hour, used only as backup for 166,
- (d) One (1) miscellaneous portable screener, identified as 174, constructed in May 1996, powered by a 49 Hp diesel engine, with a maximum capacity of 75 tons per hour.
- (e) One (1) miscellaneous portable screening plant, identified as 177, constructed in September 1997, powered by a 49 Hp diesel engine, with a maximum capacity of 75 tons per hour.
- (f) One (1) scale screening plant, identified as 163, constructed in June 1976, powered by a 130 Hp diesel engine, with a maximum capacity of 150 tons per hour, using the following conveyors:
 - (1) One (1) scale screening Magnetic head pulley, identified as 561, constructed in December 1975, with a capacity of 150 tons per hour,
 - (2) One (1) scale screening conveyor, identified as 562, constructed in March 1984, with a maximum capacity of 150 tons per hour,
 - (3) One (1) scale screening conveyor, identified as 573, constructed in April 1985, with a maximum capacity of 150 tons per hour,
 - (4) One (1) scale screening conveyor, identified as 574, constructed in April 1985, with a maximum capacity of 150 tons per hour,
 - (5) One (1) scale screening stacker conveyor, identified as 185, constructed in April 2000, with a capacity of 150 tons per hour.
- (g) One (1) 250 KW Diesel fueled generator, identified as 400, constructed in May 1981, with a maximum capacity of 0.9 MMBTU/hour, powers the scale conveyors.
- (h) One (1) 350 KW Scale conveyor generator, identified as 477, constructed in March 1997, with a maximum capacity of 1.2 MMBtu per hour, used as backup for scale screening generator 400.

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

Facility Description [326 IAC 2-7-5(15)]: A screening and conveying operation consisting of the following. (continued):

- (i) One (1) scrap screening plant, identified as 567, constructed in September 1988, with a maximum capacity of 75 tons per hour, using the following conveyors:
 - (1) One (1) scrap screening feeder conveyor, identified as 568, constructed in September 1988, with a maximum capacity of 75 tons per hour,
 - (2) One (1) scrap screening radial stacker conveyor, identified as 178, constructed in May 1999, with a maximum capacity of 75 tons per hour,
- (j) One (1) 100 KW diesel fueled generator, identified as 445, constructed in October 1988, with a maximum capacity of 0.3 MMBtu/hour, powers the scrap conveyors.
- (k) One (1) Oversize Screen plant, identified as 175, constructed in July 1996, powered by a 130 Hp diesel engine, with a maximum capacity of 100 tons per hour; using the following conveyors:
 - (1) One (1) oversize screening magnetic head pulley conveyor, identified as 558, constructed in May 1990, with a maximum capacity of 100 tons per hour.
 - (2) One (1) oversize screening conveyor, identified as 181, constructed in August 1981, with a maximum capacity of 100 tons per hour, and used as a spare.
- (l) One (1) miscellaneous material portable screening plant, identified as 164, constructed in March 2005, powered by a 70 Hp diesel engine, with a maximum capacity of 75 tons per hour using the following conveyor:
 - (1) One miscellaneous portable stacker conveyor, identified as 176, constructed in July 1996, with a maximum capacity of 75 tons per hour.
- (m) One (1) miscellaneous material portable stacker conveyor, identified as 565, constructed in July 1987, with a maximum capacity of 500 tons per hour.

(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 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 flue dust, coke, miscellaneous, scale, scrap and oversize screens, stackers and conveyors 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 exist 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 flue dust, coke, miscellaneous, scale, scrap and oversize screens, stackers and conveyors generating fugitive dust shall comply with the emissions limitations in Section C - Fugitive Dust Emissions.

D.2.2 NOx Minor Limit (PSD & Emission Offset) [326 IAC 2-2] [326 IAC 2-3]

The usage of diesel fuel in the Coke Screening 166 diesel engine, Miscellaneous Screening Portable Plant 174 diesel engine and Oversize Screen Plant 175 diesel engine shall be limited to less than 131,520 gallons of diesel fuel combined per 12 consecutive month period with compliance demonstrated at the end of each month. Compliance with this usage limit will limit the potential to emit NOx to less than 40 tons per year and renders the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) not applicable.

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination

D.2.4 Fugitive Dust Control

The dust suppression used as control for the fugitive particulate emissions from the screening and conveying shall be applied as often as needed to control fugitive dust.

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

D.2.5 Visible Emissions Notations

- (a) Visible emission notations of the flue dust, coke, miscellaneous, scale, scrap and oversize screens, stackers and conveyors shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.2.6 Record Keeping Requirements

- (a) To document compliance with Condition D.2.2, the Permittee shall maintain records of the diesel fuel usage per 12 consecutive month period.
- (b) To document compliance with Condition D.2.5, the Permittee shall maintain records of the once per day visible emission notations.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.7 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Specifically regulated insignificant activities

- (a) Propane or liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour.
- (b) 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.
- (c) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
- (d) The VOC and HAP storage containers: vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (e) The following equipment related to manufacturing activities not resulting in the emission of HAPS: brazing equipment, cutting torches, soldering equipment, welding equipment.

(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.3.1 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 brazing equipment, cutting torches, soldering equipment, and welding equipment 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 exist 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 brazing equipment, cutting torches, soldering equipment, and welding equipment generating fugitive dust shall comply with the emissions limitations in Section C - Fugitive Dust Emissions.

D.3.2 Volatile Organic Liquid Storage Vessels [326 IAC 8-9-1]

- (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 of each Volatile Organic Liquid Storage vessel to which 326 IAC 8-9-1 applies shall maintain the following records for the life of the vessel 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.

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

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Central Teaming Company, Inc, an on-site contractor of US Steel - Gary Works
Source Address: One North Broadway, Gary, IN 46402
Mailing Address: 104 West 78th Avenue, Merrillville, IN 46410
Part 70 Permit No.: T089-7684-00172

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 BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

and

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Central Teaming Company, Inc., an on-site contractor of US Steel Gary Works
Source Address: One North Broadway, Gary, IN 46402
Mailing Address: 104 West 78th Avenue, Merrillville, IN 46410

This form consists of 2 pages

Page 1 of 2

<p>This is an emergency as defined in 326 IAC 2-7-1(12)</p> <p>The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and</p> <p>The Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.</p>
--

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

**PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Central Teaming Company, Inc., an on-site contractor of US Steel Gary Works
Source Address: One North Broadway, Gary, IN 46402
Mailing Address: 104 West 78th Avenue, Merrillville, IN 46410
Part 70 Permit No.: T089-7684-00172

Months: _____ to _____ Year: _____

Page 1 of 2

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. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Central Teaming Company, Inc., an on-site contractor of US Steel - Gary Works
Source Address: One North Broadway, Gary IN 46402
Mailing Address: 104 West 78th Avenue, Merrillville, IN 46410
Part 70 Permit No. T089-7684-00172
Facility: Three diesel engines: Plant 166, Plant 174 and Plant 175
Parameter: Diesel fuel usage
Limit: 131,520 gallons per 12 consecutive month period with compliance demonstrated at the end of each month.

YEAR _____

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

No deviation occurred in this quarter.

Deviations occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position _____

Signature _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management Office of Air Quality

Addendum to the Technical Support Document for a Part 70 Operating Permit

Source Name: Central Teaming Company, Inc., an on-site contractor of US Steel-Gary Works
 Source Location: One North Broadway, Gary, IN 46402
 County: Lake
 SIC Code: 1798
 Operation Permit No.: T089-7684-00172
 Permit Reviewer: Gail McGarrity

On, February 1, 2005, the Office of Air Quality (OAQ) had a notice published in The Times, Munster, Indiana, stating that Central Teaming Company, Inc. had applied for a Part 70 Operating Permit to operate a slag, ore and pet coke screening and blending operation. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of sixty (60) days to provide comments on whether or not this permit should be issued as proposed.

Written comments were received from Central Teaming Company, Inc. on March 29, 2005. These comments and IDEM, OAQ responses, including changes to the permit (where language deleted is shown with ~~strikeout~~ and the added is shown in **bold**) are as follows:

Comment 1

We request the following revision to permit condition A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)] Slag and Ore Pellet Handling and Material Blending (a) to reflect more accurately the nature of operations conducted by Central Teaming :

Miscellaneous Material Handling and Material Blending

- (a) One (1) miscellaneous material handling operation, constructed in 1961, with a maximum capacity of 375 tons per hour, for loading/unloading barges and with a maximum capacity of 1,000 tons per hour unloading ships-by using tracked backhoes and large rubber tire front-end loaders for US Steel and using the following conveyors:
- (1) One (1) miscellaneous material stacker conveyor with feeder hopper identified as 183 and 182, respectively, constructed in October 1999 and with a maximum capacity of 500 tons per hour.
 - (2) One (1) miscellaneous material stacker conveyor with feeder hopper identified as MCC130 and 372, respectively, constructed in April 1985 and with a maximum capacity of 500 tons per hour.

Response to Comment 1

The condition A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)] Miscellaneous Material Handling and Material Blending (a) and Section D.1 description box (a) are revised as follows:

~~Slag and Ore Pellet~~ **Miscellaneous Material** Handling and Material Blending

- (a) One (1) ~~granulated slag~~ **miscellaneous material** handling operation, constructed in 1961, with a maximum capacity of 375 tons per hour, for ~~blending with the flue dust, sludge, coke, scale, scrap and ore pellets into piles~~ **loading/unloading barges and with a maximum capacity of 1,000 tons per hour unloading ships** by using tracked backhoes and large rubber tire front-end loaders for use by US Steel and using the following conveyors:
- (1) **One (1) miscellaneous material stacker conveyor with feeder hopper identified as 183 and 182, respectively, constructed in October 1999 and with a maximum capacity of 500 tons per hour.**
 - (2) **One (1) miscellaneous material stacker conveyor with feeder hopper identified as MCC130 and 372, respectively, constructed in April 1985 and with a maximum capacity of 500 tons per hour.**

Comment 2

We request the following revision to permit condition A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)] Miscellaneous Material Handling and Material Blending (b) to reflect more accurately the nature of operations conducted by Central Teaming :

- (b) One (1) miscellaneous material handling operation, constructed in 1961, with a maximum capacity of 835 tons per hour, for handling miscellaneous material by bulldozer into piles for use by US Steel.

Response to Comment 2

The condition A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)] Miscellaneous Material Handling and Material Blending (b) and Section D.1 description box (b) are revised as follows:

- (b) One (1) ~~ore pellet~~ **miscellaneous material** handling operation, constructed in 1961, with a maximum capacity of 835 tons per hour, for ~~blending with the flue dust, sludge, coke, scale, scrap and granulated slag~~ **handling miscellaneous material** by bulldozer into piles for use by US Steel.

Comment 3

We request the following revision to permit condition A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)] Miscellaneous Material Handling and Material Blending (d) to reflect more accurately the nature of operations conducted by Central Teaming :

- (d) One (1) "A" Pile Blend handling operation, constructed in 1961, with a maximum capacity of 1278 tons per hour, in which the granulated slag, ore pellets, pet coke, flue dust, sludge, coke, scale, scrap and other materials are combined.

Response to Comment 3

The condition A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)] Miscellaneous Material Handling and Material Blending (d) and Section D.1 description box (d) are revised as follows:

- (d) One (1) "A" Pile Blend handling operation, constructed in 1961, with a maximum capacity of 1278 tons per hour, in which the granulated slag, ore pellets, pet coke, flue dust, sludge, coke, scale, ~~and~~ scrap **and other materials** are combined.

Comment 4

We request the following revision to permit condition A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)] Screening and Conveying Operation (b) to reflect more accurately the nature of operations conducted by Central Teaming :

- (b) One (1) coke screening plant, identified as 166, constructed in July 1961 and rebuilt in June 1996, powered by a 215 Hp diesel engine, with a maximum capacity of 350 tons per hour,

Response to Comment 4

Calculations have confirmed that this change in capacity does not increase the potential to emit PM or PM10 above significant thresholds.

Therefore, the condition A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)] Screening and Conveying Operation (b) and Section D.2 description box (b) are revised as follows:

- (b) One (1) coke screening plant, identified as 166, constructed in July 1961 and rebuilt in June 1996, powered by a 215 Hp diesel engine, with a maximum capacity of ~~223~~ **350** tons per hour,

Comment 5

We request the following revision to permit condition A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)] Screening and Conveying Operation (f) to reflect more accurately the nature of operations conducted by Central Teaming :

- (f) One (1) scale screening plant, identified as 163, constructed in June 1976, powered by a 130 Hp diesel engine, with a maximum capacity of 150 tons per hour, using the following conveyors:
 - (1) One (1) scale screening Magnetic head pulley, identified as 561, constructed in December 1975, with a capacity of 150 tons per hour,
 - (2) One (1) scale screening conveyor, identified as 562, constructed in March 1984, with a maximum capacity of 150 tons per hour,
 - (3) One (1) scale screening conveyor, identified as 573, constructed in April 1985, with a maximum capacity of 150 tons per hour,
 - (4) One (1) scale screening conveyor, identified as 574, constructed in April 1985, with a maximum capacity of 150 tons per hour,
 - (5) One (1) scale screening stacker conveyor, identified as 185, constructed in April 2000, with a capacity of 150 tons per hour,

Response to Comment 5

Calculations have confirmed that this change in capacity does not increase the potential to emit PM or PM10 above significant thresholds. Therefore, condition A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)] Screening and Conveying Operation (f) and Section D.2 description box (f) are revised as follows:

- (f) One (1) scale screening plant, identified as 163, constructed in June 1976, powered by a 130 Hp diesel engine, with a maximum capacity of ~~400.4~~ **150** tons per hour, using the following conveyors:
 - (1) One (1) scale screening Magnetic head pulley, identified as 561, constructed in December 1975, with a capacity of ~~400.4~~ **150** tons per hour,
 - (2) One (1) scale screening conveyor, identified as 562, constructed in March 1984, with a maximum capacity of ~~400.4~~ **150** tons per hour,
 - (3) One (1) scale screening conveyor, identified as 573, constructed in April 1985, with a maximum capacity of ~~400.4~~ **150** tons per hour,
 - (4) One (1) scale screening conveyor, identified as 574, constructed in April 1985, with a maximum capacity of ~~400.4~~ **150** tons per hour,
 - (5) One (1) scale screening stacker conveyor, identified as 185, constructed in April 2000, with a capacity of ~~400.4~~ **150** tons per hour,

Comment 6

Delete the Stacker Conveyor used as a spare at the Over size Screen plant. It has been transferred to the new miscellaneous material screening plant, identified as 164.

Response to Comment 6

The condition A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)] Screening and Conveying Operations (k)(1) and Section D.2 description box (k)(1) are revised as follows:

- (k) One (1) Oversize Screen plant, identified as 175, constructed in July 1996, powered by a 130 Hp diesel engine, with a maximum capacity of 100 tons per hour; using the following conveyors:
 - ~~(1) One (1) radial stacker conveyor, identified as 176, constructed in July 1996, maximum capacity of 44.25 tons per hour, used as a spare.~~
 - ~~(1)~~(2) One (1) oversize screening magnetic head pulley conveyor, identified as 558, constructed in May 1990, with a maximum capacity of 100 tons per hour.
 - ~~(2)~~(3) One (1) oversize screening conveyor, identified as 181, constructed in August 1981, with a maximum capacity of 100 tons per hour, and used as a spare.

Comment 7

We request the following new screening plant and miscellaneous material portable screening stacker be added under the Screening and Conveying Operations.

- (l) One (1) miscellaneous material portable screening plant, identified as 164, constructed in March 2005, powered by a 70 Hp diesel engine, with a maximum capacity of 75 tons per hour using the following conveyor.
- (1) One miscellaneous portable stacker conveyor, identified as 176, constructed in July 1996, with a maximum capacity of 75 tons per hour.
- (m) One (1) miscellaneous material portable stacker conveyor, identified as 565, constructed in July 1987, with a maximum capacity of 500 tons per hour.

Response to Comment 7

The miscellaneous portable screening plant constructed in March 2005 is considered an exempt unit according to 326 IAC 2-1.1-3 Exemptions and 326 IAC 2-7-10.5 Part 70: Source Modifications approval requirements, because the potential to emit emissions is below significant thresholds. (See the ATSD Appendix A for calculations). Since the screening plant is exempt under 326 IAC 2-1.1-3, adding this unit to this operating permit is considered an administrative amendment as specified under 326 IAC 2-7-11. Therefore, adding the miscellaneous portable screening plant in this permit will satisfy the administrative amendment requirement. Also, the other existing equipment listed in (l) and (m) are added to Section A.3 and Section D.2 description box of the permit. The permit is revised as follows:

- (l) **One (1) miscellaneous material portable screening plant, identified as 164, constructed in March 2005, powered by a 70 Hp diesel engine, with a maximum capacity of 75 tons per hour using the following conveyor:**
- (1) **One miscellaneous portable stacker conveyor, identified as 176, constructed in July 1996, with a maximum capacity of 75 tons per hour.**
- (m) **One (1) miscellaneous material portable stacker conveyor, identified as 565, constructed in July 1987, with a maximum capacity of 500 tons per hour.**

Comment 8

We request that the draft permit condition C.5(a)(3)(A) be deleted in its entirety and that the permit conditions C.5(a)(3)(B) and C.5(a)(3)(C) be renumbered accordingly. Central Teaming does not and will not be transferring slag product for use in asphalt plants. Therefore, that permit condition is not applicable to our operation.

Response to Comment 8

Since Central Teaming does not and will not be transferring slag product for use in asphalt plants. The permit is 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 (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:
 - (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 6-1911.1(c) 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.~~
- (A)(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
- (B)(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.

Comment 9

We request that draft permit condition C.12 be deleted in its entirety. This permit condition was previously discussed on July 9, 2003. The Continuous Compliance Plan would be removed from the Title 5 permit.

Response to Comment 9

The requirement in C.12 for a Continuous Compliance Plan (CCP) 326 IAC 6.8-10 and 326 IAC 6.8-11, formally (326 IAC 6-1-10.1(l) and 326 IAC 6-1-10.1(u)) is not applicable to Central Teaming, since all the operations are performed outside. All emissions are fugitive. Therefore, condition C.12 is deleted and Section C conditions and Table of Contents are renumbered. Therefore, the permit is revised as follows:

~~C.12 Continuous Compliance Plan (CCP) [326 IAC 6-1-10.1(l)] [326 IAC 6-1-10.1(u)]~~

- ~~(a) Pursuant to 326 IAC 6-1-10.1(l), 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 6-1-10.1 (p) through (r) or applicable procedures in the CCP.~~
- ~~(b) Pursuant to 326 IAC 6-1-10.1(u), 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.~~

Comment 10

C.15 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is for those compliance monitoring conditions. A CRP shall be submitted to IDEM, OAQ, upon

The statement "A CRP shall be submitted to IDEM, OAQ, upon" in the above permit condition is incomplete and should be revised as deemed necessary.

Response to Comment 10

IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan. The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated. The Section D conditions that refer to this condition have been revised to reflect the new condition title, and the following changes have been made to the Section C condition:

C.47 13 Compliance Response Plan—Preparation, Implementation, Records, and Reports Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) ~~The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ, upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:~~
- ~~(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and expected timeframe for taking reasonable response steps.~~
 - ~~(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.~~
- (b) ~~For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:~~
- ~~(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or~~
 - ~~(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.~~
 - ~~(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.~~
 - ~~(4) Failure to take reasonable response steps shall constitute a violation of the permit.~~
- (c) ~~The Permittee is not required to take any further response steps for any of the following reasons:~~

- ~~(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.~~
- ~~(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.~~
- ~~(3) An automatic measurement was taken when the process was not operating.~~
- ~~(4) The process has already returned or is returning to operating within "normal parameters and no response steps are required.~~
- ~~(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions~~
- ~~(e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.~~
- ~~(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.~~
- (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;
- (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.

Comment 11

Furthermore, Sections D.1 and D.2 and the Technical Support Document should be revised to reflect the requested changes in permit condition A.3.

Response to Comment 11

Sections D.1 and D.2 description box changes were addressed in the response to comments one (1) through six (6). The Technical Support Document is a public record and historical document. Any changes are addressed in this addendum. Therefore the Technical Support Document is not revised as a result to this comment.

EPA Comment

On June 26, 2006 the following comment was received from Ethan Chatfield at Region V, U.S. EPA:

Condition D.2.2 NOx Minor Limit: It appears that this facility is attempting to take a new synthetic minor limit through this permit. Can you please explain if this is a new synthetic minor limit or an existing limit (from a permit not cited)? If they are taking a new synthetic limit and this is an 8-hr ozone nonattainment area, then wouldn't the facility be taking this limit to avoid PSD and NSR? Has IDEM verified that the facility has never exceeded this usage limit in the past? Lastly, if this is a new limit, it seems that an emission limit (i.e. 40 tons per year) should be included in addition to the production limit stated, in case future testing demonstrates incorrect emission factors.

Response to EPA Comment

Ethan - after looking into this issue, the fuel usage limit was established as a new limit through the TV in order to ensure PSD/EO was rendered not applicable. IDEM has verified through the emission statement reports submitted by Central Teaming that actual NOx emissions have not exceeded 40 tons per year. Information submitted by Central Teaming shows NOx emissions of 2 tons per year for the years 2000 through 2004. The condition has been revised as follows to clearly state the corresponding emission limit:

D.2.2 NOx Minor Limit (PSD & Emission Offset) [326 IAC 2-2] [326 IAC 2-3]

Pursuant to 326 IAC 2-2, the The usage of diesel fuel in the Coke Screening 166 diesel engine, Miscellaneous Screening Portable Plant 174 diesel engine and Oversize Screen Plant 175 diesel engine shall be limited to **less than** 131,520 gallons of diesel fuel combined per 12 consecutive month period with compliance demonstrated at the end of each month. Compliance with this

usage limit ~~makes~~ **will limit the potential to emit of NOx to less than 40 tons per year and renders the requirements of 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset) not applicable.**

Upon further review, the OAQ has decided to make the following revisions to the permit (bolded language has been added, the language with a line through it has been deleted). The Table of Contents has been modified to reflect these changes. Miscellaneous grammar and spelling corrections have been made throughout the permit also.

Change 1:

Indiana was required to incorporate credible evidence provisions into state rules consistent with the SIP Call published by USEPA in 1997 (62 FR 8314), Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule was effective March 16, 2005; therefore, the following condition will be revised to incorporate the new rule language into this permit.

~~B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314]~~

~~Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.~~

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.

Change 2:

All # signs before each id number in condition A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)] Miscellaneous Material Handling and Material Blending; and Screening and Conveying Operation as well as Sections D.1 and D.2 description boxes have been deleted, since they could be interpreted as a pound sign rather than as a number sign, which would be confusing.

Change 3:

Pollutant	Status
PM2.5	Non-attainment

U.S.EPA in Federal Register Notice 70 FR 943 dated January 5, 2005 has designated Lake County as nonattainment for PM2.5. 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 non-attainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM10 emissions as surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.

The permit is revised 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 slag, ore and pet coke screening and blending operation.

Responsible Official: VP of Operations
 Source Address: One North Broadway, Gary, Indiana 46402
 Mailing Address: 104 West 78th Avenue, Merrillville, IN 46410
 General Source Phone Number: 219-886-7112
 SIC Code: 1789
 Source Location Status: Nonattainment for SO₂,
 Nonattainment for 1-hour ozone
 Nonattainment for 8-hour ozone
Nonattainment for PM 2.5
 Attainment or unclassifiable for all other criteria pollutants
 Source Status: Part 70 Permit Program
 Major Source, under PSD, Emission Offset Rules; and
 Nonattainment NSR
 Major source Section 112 of the Clean Air Act
 1 of 28 Source Categories

Change 4:

326 IAC 6.8 was added to renumber the current rule and divide Lake County source requirements into a separate article with sources divided by sections. Rule 326 IAC 6-1 has been repealed. The revised rule was published in the Indiana Register September 1, 2005 and became effective September 9, 2005. Therefore the permit conditions and rule references revised by this rule addition are as follows:

Condition Affected	New 6.8 Rule Reference	Former 6.1 Rule Reference
C.5 (a) and (b)	326 IAC 6.8-10, 326 IAC 6.8-10-2, 326 IAC 6.8-10-3, 326 IAC 6.8-11, 326 IAC 6.8-11-4, and 326 IAC 6.8-11-6	326 IAC 6-1-11.1(d) and 326 IAC 6-1-11.2 and 326 IAC 6-1-11.2 parts (h), (i), (k), (l), (m), (o), (p) and (q).
D.1.1	326 IAC 6-4-2 and 326 IAC 6.8-10-3 (Now fugitive dust) See IDEM Change 10	326 IAC 6-1-2(a)
D.2.1	326 IAC 6-4-2 and 326 IAC 6.8-10-3 (Now fugitive dust) See IDEM Change 10	326 IAC 6-1-2(a)
D.3.1	326 IAC 6-4-2 and 326 IAC 6.8-10-3 (Now fugitive dust) See IDEM Change 10	326 IAC 6-1-2(a)

Change 5:

An updated fugitive dust control plan was submitted on March 1, 2003 and is attached as Attachment A. Therefore, the permit is revised as follows:

C.5 Fugitive Dust Emissions Fugitive Dust Emissions [326 IAC 6.8-10-3][326 IAC 6.8-11]

(b) The Permittee shall achieve these limits by controlling fugitive particulate matter

emissions according to the Fugitive Dust Control Plan submitted on **April 16, 2001. (See Attachment A)**

Change 6:

IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. The IDEM, OAQ compliance telephone and facsimile numbers are revised in this condition and throughout the permit. Therefore, IDEM has deleted paragraph (b) of Section B – Preventive Maintenance, and has amended the Section B – Emergency Provisions condition as follows:

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]

- (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, 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 Branch, Office of Air Quality
100 North Senate Avenue
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) The Permittee shall implement the PMPs, including any record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.~~
- ~~(b)~~ (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 PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- ~~(c)~~ (c) To the extent the Permittee is required by 40 CFR 60/63 to have an Operation, Maintenance and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the

PMP requirements of 326 IAC 1-6-3 for that unit.

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

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ 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 Section), or
Telephone Number: 317-233-~~5674~~ **0178**(ask for Compliance Section)
Facsimile Number: 317-233-~~5967~~ **6865**

Telephone Number: 1-888-209-8892 (Northwest Regional Office)
(Toll free within Indiana)
Telephone Number: 219-757-0265 (Northwest Regional Office)
Facsimile Number: 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 Branch, Office of Air Quality
100 North Senate Avenue
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)(4) 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.

Change 7:

IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. The condition to maintain records of the “additional” inspections prescribed in the PMP have been removed from the permit. Therefore, the requirement to keep records of the inspections in Conditions D.1.5(b) and D.2.6(c) has been removed.

D.1.5 Record Keeping Requirements

~~(b) To document compliance with Condition D.1.2, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

D.2.6 Record Keeping Requirements

~~(c) To document compliance with Condition D.2.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

Change 8:

IDEM has clarified the Section B Operational Flexibility condition as follows:

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

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (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 ~~emissions allowable~~ **under 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
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, ~~on a rolling five (5) year basis~~, all such changes and emissions ~~trading trades~~ that are subject to 326 IAC 2-7-20(b), (c), or (e). ~~and makes~~ **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), (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 of 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 ~~in emissions in~~ 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.**

OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributes to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

- ~~(d)~~ **(c)** To the extent the Permittee is required by 40 CFR 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.

Change 9:

C.6 Operation of Equipment (a) is the same requirement (to operate the control equipment at all times) that is in conditions D.1.3 and D.2.4. Therefore, It has been decided that it is best to have this requirement under compliance determination in the specific D conditions, and remove C.6 and renumber the conditions in Section C as necessary.

~~C.6 Operation of Equipment [326 IAC 2-7-6(6)]~~

~~Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission unit vented to the control equipment is in operation.~~

Change 10:

326 IAC 326 6.8-1-3 (formerly 326 IAC 6-1-3) specifies that the appropriate method for determining compliance with the provisions of 326 IAC 6.8-1-2 (formerly 326 IAC 6-1-2) is a Method 5 stack test. Since the jaw crusher, hammer mill, screens and conveyors are sources of fugitive emissions, which do not vent to a stack, IDEM agrees that a reasonable interpretation of the rule is that it was not intended to apply to fugitive emissions. Therefore, IDEM has revised Conditions D.1.1 , D.2.1 and D.3.1 as shown below:

D.1.1 ~~Particulate Emission Limitations [326 IAC 6.8-1-2(a)]~~ **Fugitive Dust Emission Limitations [326 IAC 6-4-2][326 IAC 6.8-10-3]**

~~Pursuant to 326 IAC 6.8-1-2(a), the screening, and conveying, shall not discharge to the atmosphere any gases, which contain particulate matter in excess of 0.03 grains per dry standard cubic foot.~~

(a) Pursuant to 326 IAC 6-4-2:

(1) The screening, and conveying, 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 exist 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 screening, and conveying, generating fugitive dust shall comply with the emissions limitations in Section C - Fugitive Dust Emissions.**

D.2.1 ~~Particulate Emission Limitations [326 IAC 6.8-1-2(a)]~~ **Fugitive Dust Emission Limitations [326 IAC 6-4-2][326 IAC 6.8-10-3]**

~~Pursuant to 326 IAC 6.8-1-2(a), the flue dust, coke, miscellaneous, scale, scrap and oversize screens, stackers and conveyors, shall not discharge to the atmosphere any gases, which contain particulate matter in excess of 0.03 grains per dry standard cubic foot.~~

(a) Pursuant to 326 IAC 6-4-2:

(1) The flue dust, coke, miscellaneous, scale, scrap and oversize screens, stackers and conveyors 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 exist 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 flue dust, coke, miscellaneous, scale, scrap and oversize screens, stackers and conveyors generating fugitive dust shall comply with the emissions limitations in Section C - Fugitive Dust Emissions.

D.3.1 ~~Particulate Emission Limitations [326 IAC 6.8-1-2(a)]~~ Fugitive Dust Emission Limitations [326 IAC 6-4-2][326 IAC 6.8-10-3]

~~Pursuant to 326 IAC 6.8-1-2(a), the brazing equipment, cutting torches, soldering equipment, and welding equipment shall not discharge to the atmosphere any gases, which contain particulate matter in excess of 0.03 grains per dry standard cubic foot.~~

(a) Pursuant to 326 IAC 6-4-2:

(1) The brazing equipment, cutting torches, soldering equipment, and welding equipment 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 exist 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 brazing equipment, cutting torches, soldering equipment, and welding equipment generating fugitive dust shall comply with the emissions limitations in Section C - Fugitive Dust Emissions.**

Change 11:

Upon further review, IDEM has determined that once per day monitoring of the control device (or of visible emission notations) is generally sufficient to ensure proper operation of the control device. IDEM has also determined that monitoring these parameters once per day is sufficient to satisfy the requirements of the Part 70 rules at 326 IAC 2-7-5 and 326 IAC 2-7-6. Therefore, conditions D.1.4, and D.2.5 and recordkeeping in conditions D.1.5(a) and D.2.6(b) are revised as follows:

D.1.4 Visible Emissions Notations

- (a) Visible emission notations of the screening, conveying, blending and transferring shall be performed once per ~~shift~~ **day** during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an~~ **If abnormal emissions is are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances.** Failure to take response with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

D.2.5 Visible Emissions Notations

- (a) Visible emission notations of the flue dust, coke, miscellaneous, scale, scrap and oversize screens, stackers and conveyors shall be performed once per ~~shift~~ **day** during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an~~ **If abnormal emissions is are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances.** Failure to take response with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

D.1.5 Record Keeping Requirements

- (a) To document compliance with Condition D.1.4, the Permittee shall maintain records of the once per ~~shift~~ **day** visible emission notations.

D.2.6 Record Keeping Requirements

- (b) To document compliance with Condition D.2.5, the Permittee shall maintain records of the once per ~~shift~~ **day** visible emission notations.

Change 12:

Condition B.13 title has been revised to clarify permit supersession. Therefore, the permit is revised as follows:

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

Change 13:

Upon further review, IDEM has decided to remove (d) concerning nonroad engines from B.18 Permit Amendment or Modification. 40 CFR 89, Appendix A specifically indicates that states are not precluded from regulating the use and operation of nonroad engines, such as regulations on hours of usage, daily mass emission limits, or sulfur limits on fuel; nor are permits regulating such operations precluded, once the engine is no longer new.

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

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana ~~46206-6015~~ **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)]
- ~~(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.~~

Change 14:

The following changes have been made to the permit to clarify that Condition A.2 is not federally enforceable.

Section A

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.

In addition it has been determined that the paragraph that discusses common control does not need to be included in Condition A.2.

~~IDEM has determined that US Steel, Gary Works (089-00121) and Central Teaming Company, Inc. (089-00172) 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 Central Teaming Company, Inc. as one source.~~

Change 15:

After further review, the following is changed for consistency.

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) Central Teaming Company, Inc., 089-00172, the ~~supporting operation~~ **on-site contractor**, is located at One North Broadway, Gary, IN 46402

Change 16:

IDEM has clarified the Section C General Record Keeping Requirements condition as follows:

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

- (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)~~(3)~~ **(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.

Change 17:

After further review, IDEM has determined the Permittee does not have to submit the Annual Compliance Certification in letter form. Therefore the permit is revised as follows:

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 ~~in letter form~~ no later than April 15 of each year to:

Change 18:

IDEM has clarified the Section B - Permit Shield Requirements condition as follows:

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 in 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.

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Part 70 Operating Permit

Source Background and Description

Source Name: Central Teaming Company, Inc., an on-site contractor of US Steel-Gary Works
Source Location: One North Broadway, Gary, Indiana 46402
County: Lake
SIC Code: 1798
Operation Permit No.: T089-7684-00172
Permit Reviewer: Gail McGarrity

The Office of Air Quality (OAQ) has reviewed a Part 70 permit application from Central Teaming Company, Inc. relating to the operation of a slag, ore and pet coke screening and blending operation.

Source Definition

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) Central Teaming Company, Inc. (089-00172) the supporting operation, is located at One North Broadway, Gary, IN 46402

IDEM has determined that US Steel, Gary Works (089-00121) and Central Teaming Company, Inc.(089-00172) 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 Central Teaming Company, Inc. as one source.

Separate Part 70 permits will be issued to US Steel, Gary Works (089-7663-00121) and Central Teaming Company, Inc.(089-7684-00172), solely for administrative purposes.

Permitted Emission Units and Pollution Control Equipment

Central Teaming Company Inc. consists of the following:

Slag and Ore Pellet Handling and Material Blending

- (a) One (1) granulated slag handling operation, constructed in 1961, with a maximum capacity of 375 tons per hour, for blending with the flue dust, sludge, coke, scale, scrap and ore pellets into piles by using tracked backhoes and large rubber tire front-end loaders for use by US Steel.

- (b) One (1) ore pellet handling operation, constructed in 1961, with a maximum capacity of 835 tons per hour, for blending with the flue dust, sludge, coke, scale, scrap and granulated slag by bulldozer into piles for use by US Steel.
- (c) One (1) petroleum coke handling operation, constructed in 1961, with a maximum capacity of 40 tons per hour, for blending with the flue dust, sludge, coke, scale, scrap and granulated slag by bulldozer into piles for use by US Steel.
- (d) One (1) "A" Pile Blend handling operation, constructed in 1961, with a maximum capacity of 1278 tons per hour, in which the granulated slag, ore pellets, pet coke, flue dust, sludge, coke, scale, and scrap are combined.
- (e) One (1) material blending operation, in which scrapers are used to blend the materials that have been screened and handled.
- (f) One (1) transfer operation of materials from the "A" Pile to the "B" Pile by 4- wheel vehicles.
- (g) One (1) material hauling operation that uses 18-wheel vehicles on paved and unpaved roads to transport materials for screening and blending.

Screening and Conveying Operations

- (a) One (1) flue dust or sludge screening plant, identified as 165 (CEC- Screen-It), constructed in May 1995, powered by a 70 Hp. Diesel engine, with a maximum capacity of 75 tons per hour, when screening flue dust, and 44.5 tons per hour when screening sludge, using the following conveyor:
 - (1) One (1) flue dust or sludge conveyor stacker, identified as 168, constructed in March 1995, with a maximum of 75 tons per hour, when conveying flue dust, and 44.5 tons per hour when conveying sludge.
- (b) One (1) coke screening plant, identified as 166, constructed in July 1961 and rebuilt in June 1996, powered by a 215 Hp diesel engine, with a maximum capacity of 223 tons per hour.
- (c) One (1) coke screening plant, identified as 161, constructed in March 1979, powered by a 130 Hp diesel engine, with a maximum capacity of 223 tons per hour, used only as backup for 166.
- (d) One (1) miscellaneous portable screener, identified as 174, constructed in May 1996, powered by a 49 Hp diesel engine, with a maximum capacity of 75 tons per hour.
- (e) One (1) miscellaneous portable screening plant, identified as 177, constructed in September 1997, powered by a 49 Hp diesel engine, with a maximum capacity of 75 tons per hour.
- (f) One (1) scale screening plant, identified as 163, constructed in June 1976, powered by a 130 Hp diesel engine, with a maximum capacity of 100.4 tons per hour, using the following conveyors:
 - (1) One (1) scale screening Magnetic head pulley, identified as 561, constructed in December 1975, with a capacity of 100.4 tons per hour,

- (2) One (1) scale screening conveyor, identified as 562, constructed in March 1984, with a maximum capacity of 100.4 tons per hour,
- (3) One (1) scale screening conveyor, identified as 573, constructed in April 1985, with a maximum capacity of 100.4 tons per hour,
- (4) One (1) scale screening conveyor, identified as 574, constructed in April 1985, with a maximum capacity of 100.4 tons per hour,
- (5) One (1) scale screening stacker conveyor, identified as 185, constructed in April 2000, with a capacity of 100.4 tons per hour,
- (g) One (1) 250 KW diesel fueled generator, identified as 400, constructed in May 1981, with a maximum capacity of 0.9 MMBtu/hour, powers the scale conveyors.
- (h) One (1) 350 KW Scale conveyor diesel fueled generator, identified as 477, constructed in March 1997, with a maximum capacity of 1.2 MMBtu per hour, used as backup for scale screening generator 400.
- (i) One (1) scrap screening plant, identified as 567, constructed in September 1988, with a maximum capacity of 75 tons per hour, using the following conveyors:
 - (1) One (1) scrap screening feeder conveyor, identified as 568, constructed in September 1988, with a maximum capacity of 75 tons per hour.
 - (2) One (1) scrap screening radial stacker conveyor, identified as 178, constructed in May 1999, with a maximum capacity of 75 tons per hour.
- (j) One (1) 100 KW diesel fueled generator, identified as 445, constructed in October 1988, with a maximum capacity of 0.3 MMBtu/hour, powers the scrap conveyors.
- (k) One (1) Oversize Screen plant, identified as 75, constructed in July 1996, powered by a 130 Hp diesel engine, with a maximum capacity of 100 tons per hour; using the following conveyors:
 - (1) One (1) radial stacker conveyor, identified as 176, constructed in July 1996, maximum capacity of 44.25 tons per hour, used as a spare.
 - (2) One (1) oversize screening magnetic head pulley conveyor, identified as 558, constructed in May 1990, with a maximum capacity of 100 tons per hour.
 - (3) One (1) oversize screening conveyor, identified as 181, constructed in August 1981, with a maximum capacity of 100 tons per hour, and used as a spare.

Insignificant Activities

The Central Teaming Company, Inc. also consists of the following specifically regulated insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Propane or liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour.
- (b) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu/hr, except where total capacity of equipment operated by one stationary source exceeds 2,000,000b Btu/hr.

- (c) 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.
- (d) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
- (e) The VOC and HAP storage containers: vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (f) The following equipment related to manufacturing activities not resulting in the emission of HAPS: brazing equipment, cutting torches, soldering equipment, welding equipment.

Existing Approvals

The source has been operating under approvals from the City of Gary Environmental Affairs Department including but not limited to

- (a) Certificate of Operation Permit No. 03005, issued May 9, 2000
- (b) Certificate of Operation Permit No. 03006, issued May 9, 2000
- (c) Certificate of Operation Permit No. 03007, issued May 9, 2000
- (d) Certificate of Operation Permit No. 03008, issued May 9, 2000
- (e) Certificate of Operation Permit No. 03009, issued May 9, 2000
- (f) Certificate of Operation Permit No. 03010, issued May 9, 2000 and
- (g) Certificate of Operation Permit No. 03011, issued May 9, 2000

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

All conditions from the previous approvals were incorporated into this Part 70 permit except the following:

- (a) Certificate of Operation Permit No. 03006, issued May 9, 2000

Reason for not incorporating: The alloy control screening is no longer performed by Central Teaming for US Steel. The screen 177 has been moved to the miscellaneous screening plant is used to screen miscellaneous materials simultaneously with screen 174.

- (b) Certificate of Operation Permit No. 03007, issued May 9, 2000

Reason for not incorporating: The sludge screening plant is no longer operated and the screen 175 has been moved to the Oversize screening plant to replace screen 167. As a result radial stacker 176 and conveyor 181 are used as spare equipment.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

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

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant on May 15, 2001 and July 17, 2003.

An administratively complete Part 70 permit application for the purposes of this review was received on December 13, 1996.

A notice of completeness letter was mailed to the source on July 18, 1997.

Emission Calculations

Calculations are included in Appendix A (page 1).

Potential to Emit - US Steel - Gary Works (089-00121) and Central Teaming Company, Inc. (089-00172)

Pursuant to 326 IAC 2-7-1(29), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA."

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	greater than 100
PM-10	greater than 100
SO ₂	greater than 100
VOC	greater than 25
CO	greater than 100
NO _x	greater than 100

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29) of PM-10, SO₂, NO_x and CO are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29) of VOC are equal to or greater than 25 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (c) Fugitive Emissions
Since this type of operation is one of the twenty-eight (28) listed source categories under 326 IAC 2-2, the fugitive emissions are counted toward determination of PSD and Emission Offset applicability.

Actual Emissions for Central Teaming Company, Inc. (089-00172)

The following table shows the actual emissions from the source. This information reflects the 2003 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	289.02
PM ₁₀	154.56
SO ₂	0.13
VOC	0.11
CO	0.45
NO _x	2.08
HAP (specify)	---

County Attainment Status

The source is located in Lake County.

Pollutant	Status
PM-10	attainment
SO ₂	non-attainment
NO ₂	attainment
1-hour Ozone	severe non-attainment
8-hour Ozone	Basic non-attainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone.
 - (1) 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 NOx threshold for non-attainment new source review. Therefore, VOC emissions alone are considered when evaluating the rule applicability relating to the 1-hour ozone standards. Lake County has been designated as non-attainment in Indiana for the 1-hour ozone standard. 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.
 - (2) VOC and NOx emissions are considered when evaluating the rule applicability relating to the 8-hour ozone standard. Lake County has been designated as non-attainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for non-attainment new source review.
- (b) Lake County has been classified as non-attainment for SO2. Therefore, these emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability for the source section.

- (c) Lake County has been classified as attainment for PM₁₀, NO_x, CO and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (d) Fugitive Emissions
Since this type of operation is one of the twenty-eight (28) listed source categories under 326 IAC 2-2, the fugitive emissions are counted toward determination of PSD and Emission Offset applicability.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

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

Federal Rule Applicability

- (a) The requirements of the New Source Performance Standard, 326 IAC 12, 40 CFR 60 Subpart OOO have not been included in this permit for Central Teaming Company, Inc. because slag and iron processing do not conform to the definition of nonmetallic mineral.
- (b) The requirements of the New Source Performance Standard, 326 IAC 12, 40 CFR 60 Subpart LL (Standards of Performance for Metallic Mineral Processing Plants) are not included in this permit for Central Teaming Company, Inc. The operations are not producing metallic mineral concentrates from ore. None of these slag crushing and/or screening operations are performed in a mine or pit.
- (c) The requirements of the New Source Performance Standard, 326 IAC 12, 40 CFR 60, Subpart Ka, are not included in this permit for Central Teaming Company, Inc. The storage capacity of the vessels is less than 40, 000 gallons.
- (d) The requirements of the New Source Performance Standard, 326 IAC 12, 40 CFR 60.110b, Subpart Kb are not included in this permit for Central Teaming Company, Inc. The volatile organic storage vessels capacities are less than 40 cubic meters.
- (e) There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR 60) included in this permit for Central Teaming Company, Inc.
- (f) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR 61) and (326 IAC 20 and 40 CFR Part 63) included in this permit for Central Teaming Company, Inc.

State Rule Applicability - Entire Source

326 IAC 2-6 (Emission Reporting)

Since this source is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, this source is subject to 326 IAC 2-6 (Emission Reporting). US Steel – Gary Works and Central Teaming Company, Inc also have a potential to emit greater than or equal to 2500 tons

per year of nitrogen oxides and 250 tons of volatile organic compounds per year; therefore, an emission statement covering the previous calendar year must be submitted by July 1 annually. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 5-1 (Opacity Limitations)

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

- (a) Opacity shall not exceed an average of twenty percent (20%) 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.

326 IAC 6-1-10.1(l) 326 IAC 6-1-10.1(u) Continuous Compliance Plan (CCP)

Pursuant to 326 IAC 6-1-10.1(l), the Permittee shall submit to IDEM, OAQ and maintain at the source a copy of the Continuous Compliance Plan (CCP). Pursuant to 326 IAC 6-1-10.1 (l) through (v), the Permittee shall perform inspections, monitoring and record keeping requirements as specified or in accordance to Permittee's CCP.

326 IAC 6-1-11.1 (Lake County Fugitive Particulate Matter Control Requirements),

The source is subject to the limits in 326 IAC 6-1-11.1 , because particulate matter emissions from source wide activities are above five (5) tons per year.

- (a) Pursuant to 326 IAC 6-1-11.1 (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 6-1911.1(c) 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 6-1-11.1(d)(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_{10} 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 6-1-11.1(d) shall meet a twenty percent (20%), three (3) minute average opacity standard.
- (13) PM_{10} 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 submitted on December 13, 1996.
- (c) The source is subject to 326 IAC 6-1-11.2 (Lake county Particulate Matter Contingency Measures), because it is subject to the requirements of 326 IAC 6-1-11.1. Pursuant to this rule, the source shall comply with parts (h), (i), (k), (l), (m), (o), (p) and (q).

326 IAC 6-3 Particulate Matter Limitations for Manufacturing Operations

The source is not subject to the requirements of 326 IAC 6-3, because the plant is subject to the requirements of 326 IAC 6-1 (Nonattainment Particulate Emissions Limitations) . Pursuant to the applicability requirements of 326 IAC 6-3-1(b), if any limitation established by this rule is inconsistent with applicable limitations contained in 326 IAC 6-1 (Nonattainment Particulate Emissions Limitations) or 326 IAC 12 (New Source Performance Standards) , then the limitations contained in 326 IAC 6-1 or 326 IAC 12 prevail.

326 IAC 6-4 Fugitive Dust Emissions

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.

State Rule Applicability - Individual Facilities

326 IAC 6-1-2 (a) Particulate Emissions Limitations

This source is subject to 326 IAC 6-1-2 (a), because it is located in Lake County and the PTE particulate is greater than 100 tons per year and the actual particulate emissions are greater than 10 tons per year

Pursuant to 326 IAC 6-1-2 (a), the screening, and conveying, shall not discharge to the atmosphere any gases, which contain particulate matter in excess of 0.03 grains per dry standard cubic foot.

Diesel Generators and Engines - All eleven

326 IAC 7-1.1 Sulfur Dioxide (SO₂) Limitations

Pursuant to 326 IAC 7-1.1, the potential to emit SO₂ emissions from the diesel generators is less than 25 tons per year or 10 pounds per hour, so 326 IAC 7-1.1 does not apply

326 IAC 2-7-1(21)(G)(i)(BB) Sulfur Dioxide (SO₂) Limitations

Pursuant to 326 IAC 2-7-1(21)(G)(i)(BB) the threshold for insignificant activities for internal combustion engines is two million (2,000,000) Btu combined for generators at one source. Since the eleven (11) generators at the source have a combined total BTU heat input greater than the two million Btu threshold, 326 IAC 2-7-1(21)(G)(i)(BB), does not apply.

Diesel Generators - Constructed and/or rebuilt in 1996
Coke Screening plant (166), 215 Hp diesel engine
Misc. Screening plant (174), 49 Hp diesel engine
Oversize Screen Plant (175), 130 Hp diesel engine

326 IAC 2-2 (PSD) NO_x Minor Limitation

These diesel engines shall be limited to the usage of 131, 520 gallons of diesel fuel combined per 12 consecutive month period. Compliance with this usage limit will limit the potential to emit of NO_x to less than 40 tons per year. Therefore, 326 IAC 2-2 PSD does not apply.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

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

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

1. The slag, ore pellets, transporting and blending operations have applicable compliance monitoring conditions as specified below:
 - (a) Visible emissions notations of the slag, ore pellets, transporting and blending operations shall be performed once per shift during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation of this permit.

These monitoring conditions are necessary because the slag, ore pellets, transporting and blending operations must operate properly to ensure compliance with 326 IAC 6-1-11.1 (Lake County Fugitive Particulate Matter Control Requirements), 326 IAC 6-1-11.2 (Lake County Fugitive Particulate Matter Contingency Measures), and 326 IAC 2-7 Part 70.

2. The flue dust, coke miscellaneous, scale, scrap and oversize screens, stackers and conveyors have applicable compliance monitoring conditions as specified below:
 - (a) Visible emissions notations of the screens, stackers and conveyers shall be performed once per shift during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation of this permit.

These monitoring conditions are necessary because the conveyers must operate properly to ensure compliance with 326 IAC 6-1-11.1 Lake County Fugitive Dust Emissions Requirements and 326 IAC 2-7 Part 70.

Conclusion

This slag, ore and pet coke screening and blending operation shall be subject to the conditions of the attached proposed Part 70 Permit No. T089-7684-00172.

Appendix A: Emission Calculations
 Internal Combustion Engines - Diesel Fuel
 Turbine (Up to 250 gasoline and up to 600 HP diesel)

Coke Screening Plant 166 215 HP diesel engine; Misc. screening portable screener 174 49 HP diesel engine
 Oversize Screen Plant 175 130 HP diesel engine, 1996

Company Name: Central TeamingCo., Inc.
 Address City IN Zip: One North Broadway
 TV#: T089-7684-00172
 Plt ID: 089-00172
 Reviewer: Gail McGarrity
 Date: 8/19/2003

Emissions calculated based on output rating (hp)

Heat Input Capacity
 Horsepower (hp)

Potential Throughput
 hp-hr/yr

394

3451440

	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/hp-hr	0.0022	0.0022	0.0021	0.031	0.0025	0.0067
Potential Emission in tons/yr	3.8	3.8	3.5	53.5	4.3	11.5

Methodology

Potential Throughput (hp-hr/yr) = hp * 8760 hr/yr

Use a conversion factor of 7,000 Btu per hp-hr to convert from horsepower to Btu/hr, unless the source gives you a source-specific brake-specific fuel consumption.

(AP-42, Footnote a, Table 3.3-1)

Emission Factors are from AP42 (Supplement B 10/96), Table 3.3-2

Emission (tons/yr) = [Heat input rate (MMBtu/hr) x Emission Factor (lb/MMBtu)] * 8760 hr/yr / (2,000 lb/ton)

Emission (tons/yr) = [Potential Throughput (hp-hr/yr) x Emission Factor (lb/hp-hr)] / (2,000 lb/ton)

*PM emission factors are assumed to be equivalent to PM10 emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM10 which is condensable.

3451440 hp-hr/yr *7000 Btu/hr/137,000 Btu per gallon of diesel = 176,350 gallons of diesel = 53.5 tons NOx

x gallons diesel fuel/ 176350 = 39.9 tonsNOxper yr. /53.5 tons NOx per yr.

53.5 X = 176350 * 39.9

X= 131, 520 gallons diesel fuel per year

131,520 gallons Diesel Fuel Limit per Year

ATSD Appendix A: Emission Calculations
 PM-10 Calculations
 Miscellaneous Screening Plant (Portable) 164 Constructed March 2005

ATSD Page 1 of 3
 Central Teaming
 089-7684-00172

Company Name: Central Teaming Company, Inc.
 Address City IN Zip: One North Broadway, Gary, Indiana 46402
 CP: 089-7684
 Plt ID: 089-00172
 Reviewer: Gail McGarrity
 Date: 4/8/2005

emissions before controls

PM-10

Loading/Unloading	75 ton/hr x	0.0023 lb/ton	/ 2000 lb/ton)	8760 hr/yr =	0.756 tons/yr	AP-42 Ch.13.2.4 (Fifth edition, 1/95)
Screening	75 ton/hr x	0.0087 lb/ton	/ 2000 lb/ton)	8760 hr/yr =	2.858 tons/yr	AP-42 Ch.11.19.2 (Fifth edition, 1/95, revised 8/04)
Total emissions before controls:					3.614 tons/yr	

* * emissions after controls * *

Loading & Unloading	0.756 tons/yr x	100% emitted after controls =			0.756 tons/yr
Screening	2.858 tons/yr x	20% emitted after controls =			0.572 tons/yr
Total emissions after controls:					1.327 tons/yr

* * fugitive vs. nonfugitive * *

Loading / Unloading	0.756 tons/yr x	100% emitted after controls =			0.756 tons/yr
Total fugitive emissions:					0.033 tons/yr
Screening	2.858 tons/yr x	20% emitted after controls =			0.572 tons/yr
Total nonfugitive emissions:					0.572 tons/yr

* * aggregate handling * *

The following calculations determine the amount of emissions created by truck loading and unloading of aggregate, based on 8760 hours of use and AP-42, Ch 13.2.4 (Fifth edition, 1/95).

$$E_f = k \cdot (0.0032) \cdot (U/5)^{1.3} / (M/2)^{1.4}$$

= 0.0023 lb/ton

where k = 0.35 (particle size multiplier)

U = 10 mile/hr mean wind speed

M = 2.3 % material moisture content

Appendix A: Emission Calculations
 Internal Combustion Engines - Diesel Fuel
 Turbine (Up to 250 gasoline and up to 600 HP diesel)
 Miscellaneous Material Portable Screening Plant 164 70 HP diesel engine;
 constructed in 2005

ATSD Page 3 of 3
 Central Teaming
 089-7684-00172

Company Name: Central TeamingCo., Inc.
 Address City IN Zip: One North Broadway
 TV#: T089-7684-00172
 Plt ID: 089-00172
 Reviewer: Gail McGarrity
 Date: 4/8/2005

Emissions calculated based on output rating (hp)

Heat Input Capacity
 Horsepower (hp)

Potential Throughput
 hp-hr/yr

70

613200

	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/hp-hr	0.0022	0.0022	0.0021	0.031	0.0025	0.0067
Potential Emission in tons/yr	0.67452	0.67452	0.64386	9.5046	0.7665	2.05422

Methodology

Potential Throughput (hp-hr/yr) = hp * 8760 hr/yr

Use a conversion factor of 7,000 Btu per hp-hr to convert from horsepower to Btu/hr, unless the source gives you a source-specific brake-specific fuel consumption.

(AP-42, Footnote a, Table 3.3-1)

Emission Factors are from AP42 (Supplement B 10/96), Table 3.3-2

Emission (tons/yr) = [Heat input rate (MMBtu/hr) x Emission Factor (lb/MMBtu)] * 8760 hr/yr / (2,000 lb/ton)

Emission (tons/yr) = [Potential Throughput (hp-hr/yr) x Emission Factor (lb/hp-hr)] / (2,000 lb/ton)

*PM emission factors are assumed to be equivalent to PM10 emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM10 which is condensable.

613200 hp-hr/yr *7000 Btu/hr/137,000 Btu per gallon of diesel = 31,331 gallons of diesel = 9.50 tons NOx

Central Teaming Company, Inc.
Excavating- Grading – Trucking
104 W. 78th Avenue ~ Merrillville, Indiana 46410
Telephone 219-736-8485 ~ Fax 219-756-4901

June 12, 1995
Rev. April 16, 2001

U.S. Steel – Gary Works

Dust Control Plan

Central Teaming currently has two (2) 8,000 gallon scraper-type water wagons which are used to control the dust in the Sinter Plant's Revert Blending Area and in the areas around our screening plants.

One water wagon works with our Revert Blend crew. He begins to work one-half (1/2) hour before the rest of the crew so he has a head start on watering the roads that will be used. This water wagon works 4 to 10 hours per day depending on weather conditions.

The second water wagon is used to supplement any additional watering needs for Central Teaming and also for various departments of U.S. Steel.

Other watering equipment is available to be used on specific jobs on an as-needed basis.

Our office/garage compound is watered daily on an as-needed basis. We have kept a log of this activity since July, 1994.

As part of our "Environmental Information and Instruction" training session, each employee learns about PM-10 issues, the need for dust control and they are instructed to travel on paved roads whenever possible.