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

TO: Interested Parties / Applicant

DATE: June 30, 2006

RE: USS - Mid-Continent Coal & Coke Co. / 089-8064-00173

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:

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(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 impractible 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.

Enclosures
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PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Mid-Continent Coal & Coke Company
an on-site Contractor of US Steel - Gary Works
One North Broadway
Gary, Indiana 46402

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T089-8064-00173	
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 raw material segregation of metallurgical coke and coal operation.

Responsible Official:	President
Source Address:	One North Broadway, Gary, Indiana 46402
Mailing Address:	915 West 175th Street, Homewood, Illinois 60430
General Source Phone Number:	708-798-1110
SIC Code:	5052
Source Location Status:	Nonattainment for SO_2, Nonattainment 1-hour ozone Nonattainment 8-hour ozone Nonattainment for PM2.5 Attainment or unclassifiable for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD, Emission Offset Rules; and Nonattainment for NSR Major for 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) Mid-Continent Coal & Coke Company, 089-00173, 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 Mid-Continent Coal & Coke Company with Permit No. 089-8064-00173 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)]

Mid-Continent Coal & Coke Company consists of the following:

(a) One (1) re-screening operation, identified as Plant No. 1, constructed in 1981, utilizing front end loaders to feed sump coke and coke into the one (1) feeder hopper and three (3) rubber conveyers to move that transfer the sump coke and coke to the one (1) vibrator screen for processing.

(1) When processing sump coke, the maximum re-screening capacity is 25 tons per hour of unscreened raw material.

(2) one (1) acre of Sump Coke storage piles with a throughput of 48,000 tons per year.

(3) When processing coke, the maximum re-screening capacity is 50 tons per hour of unscreened raw material.

(4) One half (0.5) acre of coke storage piles with throughput of 5,000 tons per year.

(b) One (1) re-screening operation, identified as Plant No. 2, constructed in 1981, with a maximum capacity of 96.25 tons per hour of coke, consisting of the following equipment:

(1) Four (4) diesel powered front end loaders identified as CAT950J#130 (130 Hp), CAT970F#672 (250 Hp), CAT970F#858 (250 Hp) and CAT966F#096 (220 Hp) drop the coke into the one (1) feeder hopper, then five (5) conveyers that transfer the coke to the two (2) pep screens and one (1) triple deck vibrator screen for separation.

(2) Four (4) acres of coke storage piles with a throughput of 184,800 tons per year.

(c) Fugitive Dust Sources consisting of, but not limited to the following:

(1) Paved Roads and Parking Lots
(2) Unpaved Roads and Parking Lots
(3) Batch Transfer-Loading and Unloading Operations
(4) Continuous Transfer In and Out of Storage Piles
(5) Batch Transfer Operations-Slag and Kish Handling
(6) Wind Erosion from Storage Piles and Open Areas
(7) In Plant Transfer by Truck or Rail
(8) In Plant Transfer by Front End Loader or Skip Hoist
(9) Material Processing Facility (except Crusher Fugitive Emissions)
(10) Crusher Fugitive Emissions
(11) Material Processing Facility Building Openings
(12) Dust Handling Equipment

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

Mid-Continent Coal & Coke Company also includes the following specifically regulated insignificant activities, as defined in 326 IAC 2-7-1(21);

(a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

(2) 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.

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, T089-8064-00173, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

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

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
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary 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).

(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:

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)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

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

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

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

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

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114

of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ has issued the modification. [326 IAC 2-7-12(b)(8)]

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

(a) All terms and conditions of permits established prior to T089-8064-00173 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

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:

Indiana Department of Environmental Management
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:

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

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

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

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

(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 13-30-3-1sample 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 13-30-3-1utilize 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 (formerly 326 IAC 6-1-11.1(d)) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

(1) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

(2) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).

(3) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%). Where adequate wetting of the material for fugitive particulate emissions control is prohibitive to further processing or reuse of the material, the opacity shall not exceed ten percent (10%) three (3) minute average. This includes material transfer to initial hopper of material processing facility as defined in 326 IAC 6.8-10-2 or material transfer for transportation within or outside the source property including but not limited to the following:

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

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

(4) Slag and kish handling activities at integrated iron and steel plants shall comply with the following particulate emissions limits:

(A) The opacity of fugitive particulate emissions from transfer from pots and trucks into pits shall not exceed twenty percent (20%) on a three (6) minute average.

(B) The opacity of fugitive particulate emissions from transfer from pits into front end loaders and from transfer from front end loaders into trucks shall comply with the fugitive particulate emission limits in 326 IAC 6.8-10-3(9).

(5) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.

(6) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average. These limitations may not apply during periods when application of fugitive particulate control measures is either ineffective or unreasonable due to sustained very high wind speeds. During such periods the company must continue to implement all reasonable fugitive particulate control measures and maintain records documenting the application of measures and the basis for a claim that meeting opacity limitation was not reasonable given prevailing wind conditions.

(7) There shall be a zero (0) percent frequency of visible emission observations of a material during the in plant transportation of material by truck or rail at any time. Material transported by truck or rail that is enclosed and covered shall be considered in compliance with in-plant transportation requirement.

(8) The opacity of fugitive particulate emissions from the in plant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).

(9) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.

(10) The PM_{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 6.8-10-3 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 March 1, 2003 (See Attachment A).

(c) The source is subject to 326 IAC 6.8-11 (formerly 326 IAC 6-1-11.2) (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 14-10-4-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana 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 Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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 68.215

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

C.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 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

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)]:

(a) One (1) re-screening operation, identified as Plant No. 1, constructed in 1981, utilizing front end loaders to feed sump coke and coke into the one (1) feeder hopper and three (3) rubber conveyers to move that transfer the sump coke and coke to the one (1) vibrator screen for processing.

(1) When processing sump coke, the maximum re-screening capacity is 25 tons per hour of unscreened raw material.

(2) one (1) acre of Sump Coke storage piles with a throughput of 48,000 tons per year.

(3) When processing coke, the maximum re-screening capacity is 50 tons per hour of unscreened raw material.

(4) One half (0.5) acre of coke storage piles with throughput of 5,000 tons per year.

(b) One (1) re-screening operation, identified as Plant No. 2, constructed in 1981, with a maximum capacity of 96.25 tons per hour of coke, consisting of the following equipment:

(1) Four (4) diesel powered front end loaders identified as CAT950J#130 (130 Hp), CAT970F#672 (250 Hp), CAT970F#858 (250 Hp) and CAT966F#096 (220 Hp) drop the coke into the one (1) feeder hopper, then five (5) conveyers that transfer the coke to the two (2) pep screens and one (1) triple deck vibrator screen for separation.

(2) Four (4) acres of coke storage piles with a throughput of 184,800 tons per year.

(c) Fugitive Dust Sources consisting of, but not limited to the following:

(1) Paved Roads and Parking Lots
(2) Unpaved Roads and Parking Lots
(3) Batch Transfer-Loading and Unloading Operations
(4) Continuous Transfer In and Out of Storage Piles
(5) Batch Transfer Operations-Slag and Kish Handling
(6) Wind Erosion from Storage Piles and Open Areas
(7) In Plant Transfer by Truck or Rail
(8) In Plant Transfer by Front End Loader or Skip Hoist
(9) Material Processing Facility (except Crusher Fugitive Emissions)
(10) Crusher Fugitive Emissions
(11) Material Processing Facility Building Openings
(12) Dust Handling 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.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 Plant No. 1: feeder hopper, conveyers, and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens, and vibrator screen s 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 (formerly 326 IAC 6-1-11.1(d)) Lake County Fugitive Particulate Matter Emissions Limitations, fugitive emissions from the Plant No. 1: feeder hopper, conveyers, and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens, and vibrator screen 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 screens and conveyors.

Compliance Determination Requirements

D.1.3 Fugitive Dust Control [326 IAC 2-7-6(6)]

The dust suppression used as control for the fugitive particulate emissions from the fugitive dust sources shall be applied as often as necessary to control fugitive dust.

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 Plant No. 1: feeder hopper, conveyers and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens and vibrator screen transporting 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 Requirement [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 day visible 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)]: This raw material segregation of metallurgical coke and coal operation also includes the following specifically regulated insignificant activities as defined in 326 IAC 2-7-1(21).

(a) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

(b) 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.

(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

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 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:

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

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 (formerly 326 IAC 6-1-11.1(d)) 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.2.2 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 shall maintain the following records for the life of the stationary storage vessels and submit a report to IDEM, OAQ containing the following for each vessel:

(1) The vessel identification number,

(2) The vessel dimensions, and

(3) The vessel capacity.

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

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Mid-Continent Coal & Coke Company, an on-site Contractor of US Steel-Gary Works
Source Address: One North Broadway, Gary, IN 46402
Mailing Address: 915 West 175th Street Homewood, IL 60430
Part 70 Permit No.: T089-8064-00173

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

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Mid-Continent Coal & Coke Company, an on-site Contractor of US Steel -Gary W
Source Address: One North Broadway, Gary, IN 46402
Mailing Address: 915 West 175th Street, Homewood, IL 60430
Part 70 Permit No.: T089-8064-00173

This form consists of 2 pages **Page 1 of 2**

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

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N 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: Mid-Continent Coal & Coke Company, an on-site Contractor of US Steel- Gary Works
Source Address: One North Broadway, Gary, IN 46402
Mailing Address: 915 West 175th Street, Homewood, IL 60430
Part 70 Permit No.: T089-8064-00173

Months: _____ **to** _____ **Year:** _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. . A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".
NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.
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

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

Source Name:	Mid-Continent Coal & Coke Company, an on-site contractor of US Steel-Gary Works
Source Location:	One North Broadway, Gary, IN 46402
County:	Lake
SIC Code:	5052
Operation Permit No.:	T089-8064-00173
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 Mid-Continent Coal & Coke Company had applied for a Part 70 Operating Permit to operate a coke screening 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.

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:

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 raw material segregation of metallurgical coke and coal operation.

Responsible Official:	~~Vice~~ President
Source Address:	One North Broadway, Gary, Indiana 46402
Mailing Address:	915 West 175th Street, Homewood, Illinois 60430
General Source Phone Number:	708-798-1110
SIC Code:	5052
Source Location Status:	Nonattainment for SO_2, Nonattainment 1-hour ozone Nonattainment 8-hour ozone **Nonattainment for PM2.5** Attainment or unclassifiable for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD, Emission Offset Rules; and Nonattainment for NSR Major for Section 112 of the Clean Air Act 1 of 28 Source Categories

Change 3:

326 IAC 6.8 (Particulate Matter Limitations for Lake County) 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, 326 IAC 6.8-10-3 (Now Fugitive Dust Emissions) See change 10.	326 IAC 6-1-2(a)
D.2.1,	326 IAC 6-4-2, 326 IAC 6.8-10-3 (Now Fugitive Dust Emissions) See change 10.	326 IAC 6-1-2(a)

Change 4:

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 **March 1, 2003 (See Attachment A).**

Change 5:

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.~~

~~(c)~~ **(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 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.

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)(~~10~~ **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 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 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 Condition D.1.5(b) 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.~~

~~(c)~~ All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit.

Change7:

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 emission~~s~~ ~~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.

Change 8:

C.6 Operation of Equipment is the same requirement (to operate the control equipment at all times) that is in conditions D.1.3. 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 9:

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.~~14~~ **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.

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 and D.2.1 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 6-1-2(a) (Particulate Matter Limitations for Lake County), the Plant No. 1: feeder hopper, conveyers, and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens, and vibrator screen 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 Plant No. 1: feeder hopper, conveyers, and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens, and vibrator screen s 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 (formerly 326 IAC 6-1-11.1(d)) Lake County Fugitive Particulate Matter Emissions Limitations, fugitive emissions from the Plant No. 1: feeder hopper, conveyers, and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens, and vibrator screen generating fugitive dust shall comply with the emissions limitations in Section C - Fugitive Dust Emissions.

D.2.1 ~~Particulate 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) (Particulate Matter Limitations for Lake County), the Permittee shall not allow or permit discharge to the atmosphere of any gases which contain 0.03 grains per dry standard cubic feet of particulate matter from the brazing equipment, cutting torches, soldering equipment, and welding equipment.~~

(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 (formerly 326 IAC 6-1-11.1(d)) 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 recordkeeping in conditions D.1.5(a), are revised as follows:

D.1.4 Visible Emissions Notations

(a) Visible emission notations of the Plant No. 1: feeder hopper, conveyers and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens and vibrator screen transporting 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 emission**s** ~~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.

Change 12:

Upon further review, IDEM has determined that once per day monitoring 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 Condition D.1.4 and D.1.5(a) are revised as follows:

D.1.4 Visible Emissions Notations

(a) Visible emission notations of the Plant No. 1: feeder hopper, conveyers and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens and vibrator screen transporting 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.

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 notations.

Change 13:

The 326 IAC 8-9-1 rule language was added to clarify the requirements for storage vessels. Condition D.2.2 is revised as follows:

D.2.2 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 shall maintain the following records for the life of the stationary storage vessels and submit a report to IDEM, OAQ containing the following for each vessel:

~~(a)~~ **(1)** The vessel identification number,

~~(b)~~ **(2)** The vessel dimensions, and

~~(c)~~ **(3)** The vessel capacity.

Change 14:

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

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

Change 15:

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 16:

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 and Mid-Continent Coal & Coke Company 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 U.S. Steel- Gary Works and Mid-Continent Coal & Coke as one source.~~

Change 17:

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) Mid-Continent Coal & Coke Company, 089-00173, the ~~supporting operation~~ **on-site contractor**, is located at One North Broadway, Gary, IN 46402

Change 18:

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 19:

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 20:

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:	Mid-Continent Coal & Coke Company, an on-site contractor at US Steel-Gary Works
Source Location:	One North Broadway, Gary, IN 46402
County:	Lake County
SIC Code:	5052
Operation Permit No.:	T089-8064-00173
Permit Reviewer:	Gail McGarrity

The Office of Air Quality (OAQ) has reviewed a Part 70 permit application from Mid-Continent Coal & Coke Company relating to the operation of a coke screening 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, the primary operation, is located at, One North Broadway, Gary, IN 46402; and

(b) Mid-Continent Coal & Coke Company, the supporting operation, is located at One North Broadway, Gary, IN 46402

IDEM has determined that US Steel, Gary Works and Mid-Continent Coal & Coke Company 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 Mid-Continent Coal & Coke Company as one source.

Separate Part 70 permits will be issued to US Steel, Gary Works (089-7663-00121) and Mid-Continent Coal & Coke Company (089-8064-00173) solely for administrative purposes.

Permitted Emission Units and Pollution Control Equipment

Mid-Continent Coal and Coke Company consists of the following:

(a) One (1) re-screening operation, identified as Plant No. 1, constructed in 1981, utilizing front end loaders to feed sump coke and coke into the one (1) feeder hopper and three (3) rubber conveyers to move that transfer the sump coke and coke to the one (1) vibrator screen for processing.

(1) When processing sump coke, the maximum re-screening capacity is 25 tons per hour of unscreened raw material.

(2) one (1) acre of Sump Coke storage piles with a throughput of 48,000 tons per year.

(3) When processing coke, the maximum re-screening capacity is 50 tons per hour of unscreened raw material.

(4) One half (0.5) acre of coke storage piles with throughput of 5,000 tons per year.

(b) One (1) re-screening operation, identified as Plant No. 2, constructed in 1981, with a maximum capacity of 96.25 tons per hour of coke, consisting of the following equipment:

(1) Four (4) diesel powered front end loaders identified as CAT950J#130 (130 Hp), CAT970F#672 (250 Hp), CAT970F#858 (250 Hp) and CAT966F#096 (220 Hp) drop the coke into the one (1) feeder hopper, then five (5) conveyers that transfer the coke to the two (2) pep screens and one (1) triple deck vibrator screen for separation.

(2) Four (4) acres of coke storage piles with a throughput of 184,800 tons per year.

(c) Other Fugitive Dust Sources consisting of, but not limited to the following:

(1) Paved Roads and Parking Lots
(2 Unpaved Roads and Parking Lots
(3) Batch Transfer-Loading and Unloading Operations
(4) Continuous Transfer In and Out of Storage Piles
(5) Batch Transfer Operations-Slag and Kish Handling
(6) Wind Erosion from Storage Piles and Open Areas
(7) In Plant Transfer by Truck or Rail
(8) In Plant Transfer by Front End Loader or Skip Hoist
(9) Material Processing Facility (except Crusher Fugitive Emissions)
(10) Crusher Fugitive Emissions
(11) Material Processing Facility Building Openings
(12) Dust Handling Equipment

Insignificant Activities

Mid-Continental Coal and Coke Co. also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) The following equipment related to manufacturing activities not resulting in the emission of HAPS: brazing equipment, cutting torches, soldering equipment, welding equipment.

(b) 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.

Existing Approvals

Mid-Continental Coal and Coke Company has been operating under approvals from the City of Gary Environmental Affairs Department including but not limited to the following:

(a) Certificate of Operation Permit No. 03000, issued May 9, 2000 and

(b) Certificate of Operation Permit No. 03001, issued May 9, 2000**.**

All conditions from the previous approval were incorporated into this Part 70 permit.

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. An administratively complete Part 70 permit application for the purposes of this review was received on December 13, 1996. Additional information was received on April 3, 2001.

No notice of completeness letter was mailed to Mid-Continent Coal & Coke Company.

Potential to Emit - US Steel - Gary Works (089-00121) and Mid-Continent Coal & Coke Company (089-00173)

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 of US Steel -Gary Works 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, NOx 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 Mid-Continent Coal & Coke Company (089-00173)

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

Pollutant	Actual Emissions (tons/year)
PM	61.45
PM-10	28.73
SO_2	0.0
VOC	0.0
CO	0.0
NO_x	0.0
HAP (specify)	0.0

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 nonattainment
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 SO_2. 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 or unclassifiable for PM_{10}, NOx, 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) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR 60) include in this permit for Mid-Continent Coal & Coke Company.

(b) 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 Mid-Continent Coal & Coke Company.

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 Mid-Continent Coal & Coke Company also has 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 6-1-11.1 (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) 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 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 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

Plant 1 and Plant 2

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

Pursuant to 326 IAC 6-1-2(a), the Plant No. 1: feeder hopper, conveyers, and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens, and vibrator screen shall not discharge to the atmosphere any gases, which contain particulate matter in excess of 0.03 grains per dry standard cubic foot.

Insignificant Activities

326 IAC 6-1-2(a) Particulate Matter Limitation

This source is subject to the provisions of 326 IAC 6-1-2(a) (Particulate Matter Limitations), because the brazing equipment, cutting torches, soldering equipment and welding equipment are sources of particulate matter emissions not listed in 326 IAC 6-1-2 (b) through (g) and that are located in Lake County. The particulate emissions are limited to 0.03 grains/dscf.

326 IAC 8-9-1 Volatile Organic Liquid Storage Vessels

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

Compliance Requirements

Permits issued under 326 IAC 2-7are 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 the source are as follows:

1. The Plant No. 1: feeder hopper, conveyers and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens and vibrator screen have applicable compliance monitoring conditions as specified below:

   (a) Visible emissions notations of the Plant No. 1: feeder hopper, conveyers and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens and vibrator screen shall be performed once per shift during normal daylight operations for the particulate emissions from Plant No. 1: feeder hopper, conveyers and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens and vibrator screen. 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 particulate emissions from Plant No. 1: feeder hopper, conveyers and vibrator screen and Plant No. 2: feeder hopper, conveyers, pep screens and vibrator screen must be controlled to ensure compliance with 326 IAC 6-1-11.1 Lake County Fugitive Dust Emissions Requirements, 326 IAC 5-1 Opacity and 326 IAC 2-7 Part 70.

Conclusion

The operation of this coke screening operation shall be subject to the conditions of the attached proposed Part 70 Permit No. T089-8064-00173.

Fugitive Dust Plan

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1.0 INTRODUCTION

On May 12, 1993, The Indiana Department of Environmental Management (IDEM) promulgated rule 326 IAC 6-1-11.1, Lake County Fugitive Particulate Matter Control Requirements, placing it into effect 30 days later. This rule requires that affected sources submit a fugitive particulate control plan to reduce emissions of PM-10 (particulate matter with an aerodynamic diameter of 10 microns or less) from nontraditional sources of fugitive emissions. This plan must include a description of each nontraditional source, measurements of the parameters needed to estimate emissions from these sources, control measures and other work practices to be employed to limit PM-10 emissions from these sources, and conditions (i.e. rain, snow, high wind speeds, freezing conditions, etc.) that may prevent or delay routine implementation of some control measures.

In response to these regulations, Gary Works conducted field programs to quantify emissions of PM-10 generated by vehicular traffic on plant roadways, material handling and transfer activities, wind erosion of storage piles and open areas, and vehicular traffic entering and exiting parking lots. In order to quantify these emissions, samples of the particulate in parking lots and roadways were collected. Storage piles and open areas were also sampled. The opacity of PM-10 emissions from these nontraditional sources were also observed and recorded using the procedures set forth in 326 IAC 6-1-11.1. Gary Works recently updated the original survey. Roadways, storage piles, material transfer and handling activities, parking lots and exposed areas under the control of private contractors were not included in this study. The results of this survey and the quantification of nontraditional sources of fugitive emissions are presented in Figure 1. The background data used to estimate these emissions can be found in Appendix A**.**

The following sections contain the plan developed to control nontraditional fugitive particulate emissions at USS Gary Works. This plan updates the original plan submitted in 1993 and will be executed under the supervision of the USS Environmental Control Division, Gary Works, One North Broadway, Mail Station 70, Gary, Indiana 46402. Telephone number (219) 888-2339. This plan will be implemented on a year round basis except, when not required to do so under Section 5.0 – Conditions Preventing Use of Control Measures.

Areas of USS Gary Works which are under the control of independent contractors and companies will have separate particulate control plans and are not covered within the context of this particulate control plan. These contractors fall under 326 IAC 6-1-11.1 paragraph (a) (4). top↑

2.0 DESCRIPTION OF FACILITIES

USS Gary Works is a fully integrated steelmaking facility located on the southern shore of Lake Michigan in Gary, Indiana. The plant occupies an area approximately seven miles long and more than a mile wide. Landfill areas occupy the extreme eastern end of the plant property. The

Coke Plant and Sinter Plant are also located east of the Slip with the remainder of the Plant west of the slip. Roadways, storage piles, and most of the material handling operations that are the responsibility of Gary Works are identified in this plan. The blast furnace dustcatcher, coke screening, coal handling, raw material handling at the sinter plant, ore unloading, alloy control and other operations are described in paragraphs 3.3.1 through 3.3.11. top↑

3.0 IDENTIFICATION OF FACILITIES

3.1 Paved Roadways and Parking Lots

Drawings GW468068 and GW468069 show the locations of the existing paved roads and parking lots at USS Gary Works. Paved roadways and parking lots that require control measures specified by this plan are identified on these drawings.

3.2 Unpaved Roadways and Open Areas

Drawings GW468070 and GW468071 show the locations of existing unpaved roads and open areas at USS Gary Works. Unpaved roads and open areas that require control measures specified by this plan are identified on these drawings.

3.3 Storage Piles

The approximate locations of the various storage piles are identified on Gary Works drawings GW487814 and GW487815. Because of the transient nature of these storage piles, the exact pile locations may change but the general storage pile areas will remain the same. Load-in, load-out and screening operations are also transient and take place throughout the area.

3.4 Other Material Handling Facilities

The majority of material handling activities that have the potential to generate fugitive particulate are performed by outside contractors. Plant contractor locations and associated activities are identified on Gary Works drawings GW487814 and GW487815. Control of these emissions is the responsibility of the individual contractor and these activities are not included in this control plan. Material handling activities performed by USS are also identified on these drawings and are described below. Figure 2 lists USS material processing facilities and their associated control equipment as specified in 326 IAC 6-1-11.1. A general material process flow diagram can be found in Figure 3.

3.4.1 Blast Furnace Dustcatchers

The blast furnace dustcatchers are unloaded into trucks and hauled to the sinter plant storage area. Occasionally a truck may not be available and the content of the dustcatcher is discharged to the ground and a front-end loader transfers this material to the truck. Because the contents of the dustcatchers for blast furnaces 4, 6, and 8 are wetted in a slurry device with water and steam prior to discharge, emissions are normally negligible. If the dust binds in the dustcatcher and plugs the discharge port, significant emissions may result because the material is not thoroughly wetted in the slurry device.

The No. 13 blast furnace dust catcher unloads automatically on a regular cycle throughout the day. The dust is discharged from an intermediate chamber, which is sealed off from the dust catcher, therefore, the dust falls by gravity to a truck or to the ground and fugitive emissions are not significant. Front-end loaders are used to load material to trucks if on the ground.

3.4.2 Revert Coal & Coke Screening

The coal and coke screening operation sizes undersize material into three or more products. These screened products are recycled or sold. Except for periods when the wind speed is very high, no visible emissions are generated.

3.4.3 Coal and Coke Handling

Coal is transported to the plant by rail. Rail cars are unloaded to hoppers and then the coal is transported by covered conveyors to the coal handling facility where it is pulverized and blended. The blended coal is transferred by covered conveyor to the No. 5 and 7 coke batteries (wet-charged) or to the precarbon facilities and then to the No. 2 and 3 batteries.

After the coking process is completed, the coke is pushed into a quench car and transported to the quench tower. The quenched coke is then transferred to the coke wharf where further cooling takes place. The cooled coke slides down the sloped wharf onto a covered belt conveyor system where it is transferred to one of the three coke loading stations (2 & 3 loading station, No. 5 loading station and No. 6 loading station). The unscreened coke is transported by rail to the blast furnaces where it is unloaded, screened and subsequently charged to the blast furnaces.

3.4.4 Destock Coke Screening

Excess production or purchased coke is staged in a storage area at the east end of the plant. This coke is screened for size prior to use at the blast furnaces. A contractor currently performs this screening activity. Material not suitable for use is recycled or sold.

3.4.5 Raw Material Handling at the Sinter Plant

Waste and raw materials are transferred by truck from various areas of the plant to the Sinter Plant storage pile area. These materials are unloaded from the trucks onto specific storage piles. The material in these storage piles is then loaded into trucks by use of front-end loaders and transferred to one of the blending areas. The material is blended and then loaded into trucks and taken to the sinter plant where it is screened and loaded onto a conveyor. The conveyor transfers the screened material to the Sinter Plant storage bins where it is then fed to the sinter machines. The sinter product is transported by conveyor belt from the sinter plant to the highline sinter load-out bins. Transfer cars deposit the sinter into the appropriate blast furnace bins along the highline. Sinter is then drawn from the highline bins into a stockhouse scale car and then deposited into the blast furnace skips.

3.4.6 Ore Unloading

Pellets are received by bulk carriers and are transferred to a belt conveyor by self-unloaders. Pellets are transferred to a stockpile in the West Ore Yard by a conveyor-stacker or by ore bridge. The material is then handled by ore bridge and/or conveyor and deposited at the North or South pellet screening station. The screened pellets are fed by conveyor into the stockhouse of the No. 13 Blast Furnace.

Screened pellets from the south screening station are transported by conveyor to the blast furnace highline load-out bin. Transfer cars transport the pellets from the load-out bin to the appropriate blast furnace bins. The pellets are then drawn from the highline bins into a stockhouse scale car where they are weighed before being deposited into the blast furnace skips.

3.4.7 Mill Scale Recycling

Mill scale is transferred by truck from the 84-inch Hot Strip Mill and the continuous casters to the sinter plant storage area. This material is wet and is unloaded into storage piles prior to being transferred to the blending area.

3.4.8 B-Mix and B-Scrap Recycling

B-Mix and B-Scrap are processed by slag contractors at several locations in the plant. The material is screened, loaded into trucks and transported to the north and south ends of the West Ore Yard on an alternating sequence. The material is then handled by ore bridge and deposited into highline transfer cars. The transfer cars transport the B-Mix or B-Scrap to the appropriate blast furnace highline bins. The material is then drawn from the highline bins into a stockhouse scale car and deposited into the blast furnace skips.

3.4.9 Unloading Burnt Lime and Dolomite

Burnt lime for the No. 1 BOP Shop is unloaded from rail cars at the flux unloading station east of the shop. The railcar is positioned over an underground storage bin and the lime is discharged from the hopper beneath the car into the storage bin. The burnt lime is transferred from the storage bin by covered conveyor to the highline storage bins inside the BOP Shop. The lime is then drawn from the storage bins into the furnace hopper.

Pulverized lime and pebble sized dolomite are both used as fluxing agents at the No. 2 Q-BOP. Pulverized lime is delivered to the flux unloading station south of the Q-BOP in railroad cars. The lime is unloaded through hoppers at the bottom of the cars by introducing low-pressure air into the hoppers so that the lime is fluidized and flows freely into an underground storage bin. The lime is then transferred pneumatically via a 12-inch steel pipe from the bottom of the storage bin to the day storage tank. The day storage tank is located north of the unloading building and holds enough lime to supply the Q-BOP Shop for one day. The lime is again transferred pneumatically from the day tank to three intermediate bins inside the Q-BOP Shop. The lime in the intermediate bins is transferred to the weigh tank by a short air slide. The powdered lime leaving the weigh tank is injected with oxygen through the tuyeres.

Dolomite is unloaded from rail cars or trucks into underground bins at the unloading house. A conveyor that starts 20-feet underground moves the dolomite to the Q-BOP transfer tower and another conveyor transfers the material to the flux floor. From the flux floor another conveyor moves the dolomite to the inside storage bins. The dolomite is then drawn from the bins to the weigh hoppers.

3.4.10 Baghouse Dust Disposal

Particulate from the many baghouses located at the Gary Works are trucked to the appropriate facility for recycle, disposal onsite or offsite. Figure 2 identifies the plant dust control equipment and the disposition of the collected particulate.

3.4.11 Alloy Control

Alloys used for additions during steel making are screened and stored in small piles prior to use. These alloys are loaded by front-end loaders into trucks and transported to the appropriate facility. top↑

4.0 CONTROL MEASURES

4.1 Paved Roadway Cleaning

Paved roadways within USS Gary Works will be cleaned by using high pressure water flushing and/or vacuum sweeping. The planned cleaning frequency of each paved road segment along with the segment length is listed in Table 1. This frequency may be temporarily or permanently modified if the emissions limitation specified in 326 IAC 6-1-11.1 is exceeded and/or the road silt loading is excessive. Gary Works drawings nos. GW468068 & GW468069 identify paved roadways that require control measures in the plant.

4.2 Paved Parking Area Cleaning

Paved parking areas may be high pressure water flushed and/or vacuum swept to prevent visible particulate emissions from vehicular traffic. Identified lots will be cleaned on as needed basis determined by an opacity-based mechanism where parking areas will be monitored using procedures described in 326 IAC 6-1-11.1. The paved parking areas eligible for control measures are listed in Table 2. Gary Works drawings nos. GW468068 & GW468069 identify lot locations in the plant.

4.3 Unpaved Roadway Treatment

All unpaved roadways listed below in Table 3 are identified on Gary works drawings GW468070 & GW468071 and will be treated with a commercially produced chemical dust suppressant specifically manufactured for that purpose. Application rates and frequencies will be consistent with the manufacturers recommendations to achieve the degree of control required to meet the

applicable emission limitation. At times, recommended application rates may be too high to be absorbed by the roadway in one step. In that case, application will be adjusted in dust suppressant concentration and frequency to ensure proper control of particulate emissions per 326 IAC 6-1-11.1. As an alternative USS may pave previously unpaved road sections and apply paved road cleaning measures to these newly paved roads at frequencies consistent with the existing paved roads in the immediate area.

Gary Works currently uses an asphalt based emulsion dust suppressant to control particulate emissions from unpaved roadways. A material data safety sheet (MSDS) for the current dust suppressant can be found in Appendix B. The minimum application frequencies are shown in Table 4. Note: Contractors are responsible for the treatment of roadways under their control.

4.4 Exposed Area Treatment

Unpaved open areas without roadway designations may require treatment to reduce windblown emissions or to prevent visible emissions from vehicular traffic that utilize these areas. Gary Works will commit to the opacity-based mechanism of the average instantaneous opacity of 10% as described in 326 IAC 6-1-11.1. Application of dust suppressant chemical will be done at a frequency and application rate to effectively control fugitive dust to the above stated opacity limitation. Table 5 lists unpaved open areas currently controlled by chemical dust suppressants at Gary Works and drawings nos. GW468070 and GW468071 show their locations. In addition to chemical treatment, selected open areas have been seeded with vegetation to inhibit the generation of fugitive dust. Current plans are to continue vegetating areas to prevent dust generation in open areas. Note: Contractors are responsible for the treatment of unpaved open areas under their control.

4.5 Material Storage Area Treatment

4.5.1 Sinter Plant Storage Pile Area

Measures to control fugitive emissions generated by mechanical disturbance and wind erosion of the storage piles in the sinter plant area are limited to water spraying, because by specification, hydrocarbon compounds like those contained in the dust suppressant chemicals are strictly limited in the burden materials. This area will be routinely sprayed with water at a rate and frequency necessary to achieve compliance with the applicable emissions limitation.

4.5.2 Coal Stockpile and Delivery Management

Coal stockpile management focuses on the reduction of inventory and land used for coal storage. Coal deliveries are scheduled to maximize availability to utilize coal directly as efficiently as possible. Adherence to shipping schedule is a priority for all concerned parties involved including coal suppliers, railroads and USS.

4.5.3 Coal Storage Pile Areas

A dust suppressant will be applied to coal storage piles, April through November, on an as needed basis to meet the opacity limitation specified in 326 IAC 6-1-11.1. The material safety data sheet for the currently used dust suppressant can be found in Appendix B.

4.5.4 Coke Loading Station Transfers

Coke is transferred to the blast furnaces via three loading stations located at the coke plant. A dust suppressant will be applied at these loading stations should this material transfer activity generate excessive fugitive particulate emissions as specified in 326 IAC 6-1-11.1. The material safety data sheet for the currently used dust suppressant can be found in Appendix B.

4.6 Material Transfer and Inplant Transportation Control

4.6.1 Vehicle Speed Control

All plant roads shall have posted 20 mph speed limits with a few exceptions dependent upon location and utilization. Enforcement of these posted speed limits shall be the responsibility of the various plant security forces who will employ security vehicles and radar.

4.6.2 Inplant Transportation

Inplant transportation of material by truck will be carried out in such a manner that meets the opacity standard found in 326 IAC 6-1-11.1 (d)(6). Material transported by rail or trucks that generate visible particulate emissions will be covered to meet the applicable emission limit.

4.7 Other control Measures

Gary Works has a program to evaluate and improve paved and unpaved roads on an as needed basis when funds are available.

Vacuum sweeping or flushing on paved roads will continue and the unpaved shoulders of the more heavily traveled roads will be treated with a dust suppressant.

The use of open areas as roadways creates a dust problem because vehicles may veer off paved roads to travel on exposed open areas and can track dust onto paved road surfaces. In addition, in some parts of the plant, vehicles can travel in and out of material processing areas although alternate routes can be taken. In order to limit the use of open areas as roadways and reduce the volume of traffic in material processing areas, signs and concrete barriers may be used to redirect traffic at selected locations. The placement of signs and concrete barriers will be coordinated with knowledgeable plant personnel. After the signs and barriers are in place, additional traffic control measures will be evaluated that will further limit the generation of fugitive dust.

As an alternative to eliminate treatment, selected exposed areas may be seeded with an appropriate ground cover to limit or eliminate the generation of fugitive particulate. The type of ground cover to be established will be appropriate to the soil and climatic conditions at the Gary Works, and will be self-sustaining. top↑

5.0 CONDITIONS PREVENTING USE OF CONTROL MEASURES

Under the following set of conditions, USS Gary Works will not perform the control measures as listed above.

5.1 Conditions for Paved Roads

The cleaning of paved road segments may be delayed when:

- It is raining or snowing at the time of the scheduled cleaning.
- Rain of 0.1 or more inches or 0.5 inches or more of snow has accumulated during the 24-hour period prior to the scheduled cleaning.
- The temperature is below 32ºF at the scheduled time of cleaning, use of high pressure water flushing will be discontinued due to the potential for ice buildup on roadways.
- The road segment is closed or abandoned. Abandoned roads will be barricaded to prevent vehicle access.
- Treatment is not required because the roadway meets the opacity limitation specified in 326 IAC 6-1-11.1.

In the event that consecutive rain or snow days create a condition where a severe backlog of road segments to be cleaned exists, USS will make a reasonable effort to eliminate this backlog as soon as conditions permit.

5.2 Conditions for Unpaved Roadways and Areas and Storage Piles

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

- It is raining or snowing at the time of the scheduled treatment.
- Greater than 0.1 inches of rain or 0.5 inches of snow has accumulated during the 24-hour period prior to the scheduled treatment.
- Road segments, areas, or piles are saturated with water such that chemical dust suppressants cannot be accepted by the surface.

- Road segments, areas, or piles are frozen or covered by ice, snow or standing water.
- The road segment or area is closed or abandoned. Abandoned roads will be barricaded.
- Treatment is not required because the unpaved road or open area meets the opacity limitation specified in 326 IAC 6-1-11.1.
- Sustained wind speeds are excessive.

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

6.0 SCHEDULE FOR ACHIEVING COMPLIANCE

6.1 Road Paving Program

Road paving and repairing is an ongoing program at the plant. It is expected that the paving of unpaved roads, and paved roads in poor condition, will continue.

6.2 Road Cleaning Program

The road cleaning program was implemented on January 1, 1994, and continues.

6.3 Storage Pile, Material Handling & Transfer, and Exposed Area Treatment

The treatment of storage piles, material handling and transfer activities, and exposed areas was implemented on January 1, 1994, and continues.

6.4 Other Fugitive Dust Control Activities

Other fugitive dust control measures as described in Section 4.7 will continue. top↑

7.0 RECORD KEEPING AND REPORTING

7.1 Drawings Showing Controlled Emission Sources

The drawings showing the locations of the controlled roadways, parking lots, storage piles, open areas, and material handling will be kept in the Environmental Control Division Office.

Drawings will also be maintained showing the locations of all areas under the control of outside contractors at USS Gary Works.

7.2 Records of Water or Chemical Applications

Records will be kept on file of all sweeping and flushing and chemical treatments that are performed on the fugitive dust sources covered by this control plan. These forms will be kept in the Environmental Compliance, Energy and Environmental Control Division Office. The following information will be contained on the form:

- The name and location of the roadway, area, or pile controlled.
- The application rate.
- The time of each application.
- The area covered by each application.
- Identification of each method of application.
- The total quantity of water or chemical used for each application.
- For each application of chemical solution, the concentration and identity of the chemical.

If special physical or chemical treatment occurs on an area or facility within the plant as specified in 326 IAC 6-1-11.1 part (e), paragraph (4)(C), the following information will be provided in the log:

- The name of the physical or chemical agent used.
- The location of the application,
- The application rate.
- The total quantity of agent used.
- If the agent was diluted, the percent of concentration.

7.3 Records of Eliminated or Delayed Treatments

A log will be maintained for the reporting of incidents that prevent the application of control measures. For each incident, the date along with a specific explanation as to why the control measures were not implemented will be provided. This notation should also include any necessary corrective action to be taken.

7.4 Maintenance of Records

A section will be established within the Environmental Control Division Office for the Storage of five (5) years of records pertaining to fugitive particulate control measures. Copies of all records required will be submitted to IDEM within twenty (20) working days upon written request. These records will be available for inspection and copying by IDEM department representatives during normal working hours.

7.5 Quarterly Reports

A quarterly report will be submitted by the Environmental Control Division Office containing the following information:

- The dates on which any of the required control measures were not implemented.
- A listing of the above control measures.
- The reasons that the control measures were not implemented.
- Any corrective action taken, that may be necessary.

This report will be submitted to the IDEM within 30 calendar days after the end of the quarter. The quarters end on March 31, June 30, September 30, and December 31.

7.6 Changing of Control Plan

The plan administrator will review and update the plan as necessary. A copy of the revised plan will be provided to IDEM upon request. The plan will also be revised if IDEM determines that the requirements of the control plan have not been met and requests such revisions in writing. The plan will also be revised if a significant change occurs on a road, area, or transfer procedure which would make the current control measure obsolete, such as an unpaved road being paved. top↑

8.0 FUGITIVE EMISSION MONITORING PROGRAM

8.1 Silt Sampling of Paved Road

If requested by IDEM, USS Gary Works will provide representative silt loading measurements for a maximum of ten paved roads per month during the months of April through November. Silt loadings will be measured in accordance with the procedures provided in the Rule. IDEM will have the right to specify the road segments to be sampled.

8.2 Opacity Monitoring of Fugitive Emission Sources

A visible emission based mechanism as described in 326 IAC 6-1-11.1 (d)(1-9) will be used to determine the effectiveness of this treatment program. Opacity readings will be taken one day per month of paved and unpaved roads, parking lots, material handling, processing, transfer activities, wind erosion of storage piles and exposed areas during the months of April through November. Opacity readings will help to determine the effectiveness of the program and identify areas where corrective action may be necessary to maintain compliance. top↑

LIST OF DRAWINGS

GW468068 - Paved Roadways and Paved Parking Lots (West)
GW468069 - Paved Roadways and Paved Parking Lots (East)
GW468070 - Unpaved Roadways and Open Areas (West)
GW468071 - Unpaved Roadways and Open Areas (East)
GW487814 - Storage Piles and Material Handling (West)
GW487815 - Storage Piles and Material Handling (East)

TABLES

Table 1 - Paved Roads
Table 2 - Paved Parking Lots
Table 3 - Unpaved Roads
Table 4 - Control Levels of Applications to Unpaved Roads
Table 5 - Unpaved Open Areas

APPENDICES

Appendix A (Background Data for Estimating Particulate Emissions) top↑
A roads
B roads
C roads
D roads
E roads
Fugitives
Material handling
Modeling Area Designations
Outdoor storage piles

Road Segments

Appendix B (Material Safety Data Sheets for Dust Suppressants) top↑

Asphotac 18883 MSDS
EC-46 MSDS
PetroTac MSDS