



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: August 18, 2006
RE: ISG Burns Harbor, LLC / 089-19192-00118
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204.

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

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

The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

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

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

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



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PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

**ISG Burns Harbor LLC (Gary Plate)
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.: T089-19192-00118	
Issued by: Origin signed by Nisha Sizemore, Branch Chief Office of Air Quality	Issuance Date: August 18, 2006 Expiration Date: August 18, 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.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 plate mill operation.

Responsible Official:	Vice President and General Manager Burns Harbor Division
Source Address:	One North Broadway, Gary, IN 46402-3199
Mailing Address:	250 WEST U.S. Highway 12, Burns Harbor, IN 46304
General Phone Number:	(219) 787 - 4973
SIC Code:	3399
County Location:	Lake
Source Location Status:	Nonattainment for 8-hour ozone standard and PM2.5 Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD and Emission Offset Rules Area Source, Section 112 of the Clean Air Act 1 of 28 Source Categories under PSD and Emission Offset Rules

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

ISG Burns Harbor LLC (Gary Plate) consists of the following permitted emission units and pollution control devices:

One (1) Plate Mill Operation with an estimated maximum capacity of one (1) million tons per year, consisting of the following emission units:

- (a) Plate Mill Slab Prep Facility
 - (1) Three (3) Slow Cool Furnaces, identified as No. 1, No. 2 and No. 3 installed in 1992, having a natural gas heat input of 16 MMBtu per hour each, exhausting through Roof Monitor SPRm1.
 - (2) One (1) Slab Grinder installed in 1985, having an estimated capacity of 264,000 tons per year, ducted to the Slab Grinder Baghouse exhausting through Stack SPGrStk 01.
- (b) Plate Mill Plant
 - (1) Two (2) natural gas-fired Continuous Reheat Furnaces, identified as No. 1 and No. 2 installed in 1961, having an estimated heat input capacity of 300 MMBtu per hour each, exhausting through Stacks PMCFStk01, PMCFStk02 and Roof Monitor PMRm1.
 - (2) One (1) natural gas-fired Batch Reheat Furnace, identified as No. 5 installed in 1961, having an estimated maximum heat input capacity of 40 MMBtu per hour, exhausting through the Roof Monitor PMRm1.
 - (3) Two (2) natural gas-fired Batch Reheat Furnaces, identified as No. 6 and No. 8 installed in 1961, having an estimated maximum heat input capacity of 40 MMBtu

per hour, each, exhausting through Stacks PMBReHStk6, PMBReHStk8 and Roof Monitor PMRm1.

- (4) One (1) natural gas-fired Batch Reheat Furnace, identified as No. 7 installed in 1961, having an estimated maximum heat input of 40 MMBtu per hour, exhausting through Roof Monitor PMRm1.
- (5) Two (2) natural gas-fired Hardening Furnaces identified as North Hardening Furnace (installed in 1969) and South Hardening Furnace (installed in 1962) having an estimated heat input capacity of 100 MMBtu per hour, each, exhausting through Roof Monitor PMRm1.
- (6) Two (2) natural gas-fired Tempering Furnaces identified as North Tempering Furnace (installed in 1969) and South Tempering Furnace (installed in 1962) having an estimated maximum heat input capacity of 100 MMBtu per hour, each, exhausting through Roof Monitor PMRm1.
- (7) One (1) natural gas-fired Car Bottom Heat Treating Furnace installed in 1961, with an estimated maximum heat input capacity of 26 MMBtu per hour, exhausting through Roof Monitor PMRm1.
- (8) One (1) natural gas-fired Car Bottom Normalizing Furnace installed in 1961, having an estimated maximum heat input capacity of 26 MMBtu per hour, exhausting through Roof Monitor PMRm1.
- (9) Two (2) natural gas-fired Slow Cool Furnaces, identified as No. 1 and No. 2 installed in 1991, having an estimated maximum heat input capacity of 32 MMBTU per hour each, exhausting through Roof Monitor PMRm1.
- (10) One (1) natural gas-fired Plate Mill Heat Treatment Furnace (LOI) installed in 1997, with an estimated maximum heat input capacity of 56.5 MMBtu per hour, exhausting to a Stack PMHTStk1.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

ISG Burns Harbor LLC (Gary Plate) also includes the following insignificant activities, which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Insignificant emission units in the Slab Prep Area: one (1) Slab Cutter, three (3) Bug Burners, five (5) (Nos.1 through 5) Stress Hood Furnaces and one (1) scarfer, exhausting through roof monitor. [326 IAC 6.8-1-2]
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.8-1-2]
- (c) Insignificant emission units in the Plate Mill Area: eight (8) Bug Burners, one (1) cutting torch, four (4) Gantry Burners exhausting through roof monitor. [326 IAC 6.8-1-2]

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

Pursuant to 326 IAC 2-7-2 (Applicability), this stationary source is required to have a Part 70 permit 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, T089-19192-00118, 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, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-7-5(5)]

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. Records requested by IDEM, OAQ which are required to be kept by a Part 70 permit may be furnished directly to U.S. EPA along with 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 or its equivalent, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A responsible official is defined at 326 IAC 2-7-1(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.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 60 or Part 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, except as otherwise provided in this condition.
- (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, 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 No.: 317-233-0178 (ask for Compliance Section)
Facsimile No.: 317-233-6865
Northwest Regional Office 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]

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- (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 T089-19192-00118 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 combined permit, all previous registrations and permits are superseded by this Part 70 operating permit.

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

The Permittee's right to operate this source terminates with the expiration of this permit unless a

timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

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

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)]
[326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source,

except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
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)]
- (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.

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) 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)(1), (c)(1), and (e)(2).
- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
- (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;
 - (3) Any change in emissions; and
 - (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-2-2] [326 IAC 2-3-2]

- (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, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.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. 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).

C.5 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. All sources having less than 25 tons per year of actual emissions (after controls) and stack heights in existence, or dispersion techniques implemented prior to December 31, 1970 are exempt from the stack height provisions contained in 326 IAC 1-7-3(a). The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

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

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

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

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

- (a) All testing required pursuant to the conditions of this permit 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 for such required testing, 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) For such required testing 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), such test reports for testing required by this permit 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. Such 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.

C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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

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

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

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

Indiana Department of Environmental Management
Compliance 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.13 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.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air

pollution control practices for minimizing emissions.

- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred 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.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), the Permittee shall submit by July 1 an emission statement covering the previous calendar year as follows:
- (1) starting in 2007 and every three (3) years thereafter, and
 - (2) any year not already required under (1) if the source emits volatile organic compounds or oxides of nitrogen into the ambient air at levels equal to or greater than twenty-five (25) tons during the previous calendar year.
- (b) The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

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

- (c) The 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, on or before the date it is due.

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [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 (or at a source with Plant-wide Applicability Limitation (PAL)), 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) Before beginning actual construction of the "project" as defined in 326 IAC 2-2-1

(qq) and/or 326 IAC 2-3-1 (ll) at an existing emissions unit, document and maintain the following records:

- (A) A description of the project.
- (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
- (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

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

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- (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 probable 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 or its equivalent or its equivalent 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,. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

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

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)]:

One (1) Plate Mill Operation with a maximum capacity of one (1) million tons per year, consisting of:

- (a) Plate Mill Slab Prep Facility
 - (1) Three (3) Slow Cool Furnaces, identified as No. 1, No. 2 and No. 3 installed in 1992, having a natural gas heat input of 16 MMBtu per hour each, exhausting through Roof Monitor SPRm1.
 - (2) One (1) Slab Grinder installed in 1985, having a capacity of 264,000 tons per year, ducted to the Slab Grinder Baghouse exhausting through Stack SPGrStk 01.
- (b) Plate Mill Plant
 - (1) Two (2) natural gas-fired Continuous Reheat Furnaces, identified as No. 1 and No. 2 installed in 1961, having a heat input capacity of 300 MMBtu per hour each, exhausting through Stacks PMCFStk01, PMCFStk02 and Roof Monitor PMRm1.
 - (2) One (1) natural gas-fired Batch Reheat Furnace, identified as No. 5 installed in 1961, having a maximum heat input capacity of 40 MMBtu per hour, exhausting through the Roof Monitor PMRm1.
 - (3) Two (2) natural gas-fired Batch Reheat Furnaces, identified as No. 6 and No. 8 installed in 1961, having a maximum heat input capacity of 40 MMBtu per hour, each, exhausting through Stacks PMBReHStk6, PMBReHStk8 and Roof Monitor PMRm1.
 - (4) One (1) natural gas-fired Batch Reheat Furnace, identified as No. 7 installed in 1961, having a maximum heat input of 40 MMBtu per hour, exhausting through Roof Monitor PMRm1.
 - (5) Two (2) natural gas-fired Hardening Furnaces identified as North Hardening Furnace (installed in 1969) and South Hardening Furnace (installed in 1962) having a heat input capacity of 100 MMBtu per hour, each, exhausting through Roof Monitor PMRm1.
 - (6) Two (2) natural gas-fired Tempering Furnaces identified as North Tempering Furnace (installed in 1969) and South Tempering Furnace (installed in 1962) having a maximum heat input capacity of 100 MMBtu per hour, each, exhausting through Roof Monitor PMRm1.
 - (7) One (1) natural gas-fired Car Bottom Heat Treating Furnace installed in 1961, with a maximum heat input capacity of 26 MMBtu per hour, exhausting through Roof Monitor PMRm1.
 - (8) One (1) natural gas-fired Car Bottom Normalizing Furnace installed in 1961, having a maximum heat input capacity of 26 MMBtu per hour, exhausting through Roof Monitor PMRm1.
 - (9) Two (2) natural gas-fired Slow Cool Furnaces, identified as No. 1 and No. 2 installed in 1991, having a maximum heat input capacity of 32 MMBTU per hour each, exhausting through Roof Monitor PMRm1.
 - (10) One (1) natural gas-fired Plate Mill Heat Treatment Furnace (LOI) installed in 1997, with a maximum heat input capacity of 56.5 MMBtu per hour, exhausting to a Stack PMHTStk1.

(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 Particulate Emissions Limitations [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2 (formerly 326 IAC 6-1-2), the Permittee shall not allow or permit discharge to the atmosphere of any gases which contain 0.03 grains per dry standard cubic feet (gr/dscf) Particulate Matter emissions from the No.1, No. 2 and No.3 Slow Cool Furnaces (SPRm1), No.5 Batch Reheat Furnace(PMRm1), No.7 Batch Reheat Furnace(PMRm1) North Hardening Furnace and South Hardening Furnaces (PMRm1), North Tempering Furnace and South Tempering Furnace (PMRm1), Car Bottom Heat Treating Furnace (PMRm1), Car Bottom Normalizing Furnace (PMRm1) and No.1 and No.2 Slow Cool Furnaces (PMRm1).

D.1.2 Lake County PM-10 Emissions Requirements [326 IAC 6.8-2-38]

Pursuant to 326 IAC 6.8-2-38 (formerly 326 IAC 6-1-10.1(d)(36)), the PM10 emissions shall not exceed the following:

- (a) No.1 and No.2 Continuous Reheat Furnaces (PMCFStk01 and PMCFStk02) shall not exceed 0.009 pound of PM-10 per MMBtu of heat input each and 3.72 pounds per hour total.
- (b) No.6 and No.8 Batch Reheat Furnaces (PMBReHStk6 and PMBReHStk8) shall not exceed 0.009 pound of PM10 per MMBtu of heat input each and 0.070 pound per hour total.
- (c) The Slab Grinder baghouse (SPGrStk01) shall not exceed 0.0100 gr/dscfm and 2.57 pounds per hour.
- (d) Plate Mill Heat Treatment Furnace (LO1) shall not exceed 0.003 gr/dscfm and 0.096 pounds per hour.

D.1.3 Sulfur Dioxide (SO₂) Limitations [326 IAC 7-4.1-1]

Pursuant to 326 IAC 7-4.1-1, fossil fueled sources, the Slow Cool Furnaces No.1, No. 2 and No.3 (SPRm1), North Hardening Furnace and South Hardening Furnaces (PMRm1), North Tempering Furnace and South Tempering Furnace (PMRm1), Car Bottom Heat Treating Furnace (PMRm1), Car Bottom Normalizing Furnace (PMRm1), No.1 and No.2 Slow Cool Furnaces (PMRm1), and Plate Mill Heat Treatment Furnace (PMHTStk1) shall burn natural gas only.

D.1.4 Nitrogen Oxides Emission Limitations [326 IAC 2-2][326 IAC 2-3]

- (a) The total natural gas usage for the No.1, No. 2 and No.3 Slow Cool Furnaces (SPRm1) and No.1 and No.2 Slow Cool Furnaces (PMRm1) combined shall not exceed 779 million cubic feet per 12 consecutive month period. This fuel limitation is equivalent to 39 tons of NO_x per year. Therefore, 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offsets), do not apply.
- (b) Pursuant to Construction Permit 089-14988-00121, issued July 19, 2002 to USS, the input natural gas to the Heat Treatment Furnace shall be limited to 279.2 million cubic feet per year rolled on a daily basis. This production limitation is equivalent to NO_x emissions of 25.1 tons per 12 consecutive month period. This production limitation is equivalent to NO_x emissions of 0.22 tons per month. Therefore, 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offsets), do not apply.

D.1.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, is required for these facilities and control devices.

Compliance Determination Requirements

D.1.6 Particulate Control [326 IAC 2-7-6(6)]

- (a) The Slab Grinder baghouse (SPGrStk01) shall be in operation at all times the slab grinder is in operation, in order to control Particulate emissions.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.1.7 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

- (a) Visible emission notations of the Slab Grinder baghouse (SPGrStk01), exhausts 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 steps in accordance with Section C-Response to Excursions or Exceedences. Failure to take response steps in accordance with Section C- Response to Excursions or Exceedences shall be considered a deviation from this permit.

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

D.1.8 Record Keeping Requirements

- (a) To document compliance with Condition D.1.4 (a), the Permittee shall maintain a log of the natural gas usage in the No.1, No. 2 and No.3 Slow Cool Furnaces (SPRm1) and No.1 and No.2 Slow Cool Furnaces (PMRm1) on a monthly basis.
- (b) To document compliance with Condition D.1.4 (b), the Permittee shall maintain a log of the natural gas usage in the Plate Mill Heat Treatment Furnace per 12 consecutive month period.
- (c) To document compliance with Condition D.1.7, the Permittee shall maintain records of the once per day visible emissions of the Slab Grinder baghouse (SPGrStk01).
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.9 Reporting Requirements

- (a) A quarterly summary of the information to document compliance with Condition D.1.4 (a) and (b) shall be submitted to the address listed in Section C- General Reporting Requirements of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.
- (b) The reports submitted by the Permittee do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

Regulated Insignificant Activities:

- (a) Insignificant emission units in the Slab Prep Area: one (1) Slab Cutter, three (3) Bug Burners, five (5) (Nos.1 through 5) Stress Hood Furnaces and one (1) scarfer, exhausting through roof monitor. [326 IAC 6.8-1-2]
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.8-1-2]
- (c) Insignificant emission units in the Plate Mill Area: eight (8) Bug Burners, one (1) cutting torch, four (4) Gantry Burners exhausting through roof monitor. [326 IAC 6.8-1-2]

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

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

D.2.1 Nonattainment Area Particulate Limitations [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2 (formerly 326 IAC 6-1-2)(Nonattainment Area Particulate Limitations), the particulate matter emissions from the Slab Cutter, Bug Burners, Stress Hood Furnaces, scarfer, brazing equipment, cutting torches, soldering equipment and welding equipment shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf) as determined by Method 5.

SECTION D.3 FUGITIVE DUST SOURCES

Facility Description [326 IAC 2-7-5(15)]:

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

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

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

F.1 Fugitive Dust Emissions [326 IAC 6.8-10]

- (a) Pursuant to 326 IAC 6.8-10 (formerly 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) Paved roads and Parking Lots.

- (A) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%). The average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:

- (i) The first shall be taken at the time of emission generation.
- (ii) The second shall be taken five (5) seconds later.
- (iii) The third shall be taken five (5) seconds later or ten (10) seconds after the first.

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

- (B) The Permittee shall implement the control measures specified by 326 IAC 6.8-10-4 (formerly 326 IAC 6-1-11.1(e)(3)(F)) within twenty-four (24) hours after notification by the IDEM, OAQ or U.S.EPA of violating the average instantaneous opacity limit. A violation of the instantaneous average opacity limit is a violation of 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1).

- (C) When requested by the department or the U.S. EPA, after an exceedance of the opacity limit is observed by a representative of either agency, the source shall initiate a compliance check with the surface silt loading limit. The department may require a revision of the control plan under subsection 326 IAC 6.8-10-4 (formerly 326 IAC 6-1-11.1(e)(8)), if the test shows an exceedance of the surface silt loading limit.

(2) Unpaved Roads and Parking Lots.

- (A) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%). The average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:

- (i) The first shall be taken at the time of emission generation.
- (ii) The second shall be taken five (5) seconds later.
- (iii) The third shall be taken five (5) seconds later or ten (10) seconds after the first.

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

- (B) The fugitive particulate emissions from unpaved roads shall be controlled by the implementation of a work program and work practice under the control plan required in 326 IAC 6.8-10-4 (formerly 326 IAC 6-1-11.1 (e)). The department may request a revision of the control plan pursuant to 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1(e)(8)), if an observation shows an exceedance of the average instantaneous opacity limit. The revision may be in lieu of, or in addition to, pursuing an enforcement action for a violation of the limit.

(3) Material Transfer Limits.

- (A) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%). The average instantaneous opacity shall consist of the average of three (3) opacity readings taken five (5) seconds, ten (10) seconds, and fifteen (15) seconds after the end of one (1) batch loading or unloading operation. The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume.

- (B) 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 the initial hopper of a material processing facility as defined in 3326 IAC 6.8-10-2 (formerly 326 IAC 6-1-11.1(c)) or material transfer for transportation within or outside the source property including, but not limited to, the following:

- (i) Transfer of slag product for use by asphalt plants:
 - (AA) From a storage pile to a front end loader; and

(BB) From a front end loader to a truck.

- (ii) Transfer of sinter blend for use at the sinter plant:
 - (AA) From a storage pile to a front end loader;
 - (BB) From a front end loader to a truck; and
 - (CC) From a truck to the initial processing point.
- (iii) Transfer of coal for use at a coal processing line:
 - (AA) From a storage pile to a front end loader; and
 - (BB) 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) 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. The opacity shall be determined using 40 CFR 60, Appendix A, Method 9. The opacity readings shall be taken at least four (4) feet from the point of origin.

(5) Wind erosion from storage piles and exposed areas.

(A) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average. The opacity shall be determined using 40 CFR 60, Appendix A, Method 9, except that the opacity shall be observed at approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. These limitations may not apply during periods when application of fugitive particulate control measures are either ineffective or unreasonable due to sustained very high wind speeds. During periods of sustained very high wind speeds, the Permittee must continue to implement all reasonable fugitive particulate control measures and maintain records documenting the application of measures and the basis for a claim that meeting the opacity limitation was not reasonable given prevailing wind conditions.

(B) The opacity of fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minute average. The opacity shall be determined using 40 CFR 60, Appendix A, Method 9. These limitations may not apply during periods when application of fugitive particulate control measures are either ineffective or unreasonable due to sustained very high wind speeds. During periods of sustained very high wind speeds, the Permittee must continue to implement all reasonable fugitive particulate control measures and maintain records documenting the application of measures and the basis for a claim that meeting the opacity limitation was not reasonable given prevailing wind conditions.

(6) Inplant Transportation of Material by Truck or Rail.

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

(7) Inplant Transportation of Material by Front End Loader or Skip Hoist.

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%). Compliance with this limitation shall be determined by the average of three (3) opacity readings taken at five (5) second intervals. The three (3) opacity readings shall be taken as follows:

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

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

(8) Material Processing Facilities.

- (A) The PM₁₀ stack emissions from each material processing facility shall not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot and ten percent (10%) opacity. Compliance with the concentration limitation shall be determined using the test methods found in 326 IAC 6.8-3-1 (formerly 326 IAC 6-1-10.1(f)). Compliance with the opacity limitation shall be determined by 40 CFR 60, Appendix A, Method 9.
- (B) The opacity of fugitive particulate emissions from a material processing facility, except crusher at which a capture system is not used, shall not exceed ten percent (10%). Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9.
- (C) The opacity of fugitive particulate emissions from a crusher at which a capture system is not used shall not exceed fifteen percent (15%). Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9.
- (D) 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. Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 22.
- (E) The PM₁₀ emissions from building vents shall not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot and ten percent (10%) opacity. Compliance with the concentration standard shall be determined by 40 CFR 60, Appendix A, Method 5 or 17, and with the opacity standard by 40 CFR 60, Appendix A, Method 9.

(9) Dust Handling Equipment. The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%). Compliance with this standard shall be determined by 40 CFR 60, Appendix A, Method 9.

(10) Any facility or operation not specified in 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1(d)(1)-(8)) shall meet a twenty percent (20%), three (3) minute opacity standard. Compliance with this limitation shall be determined by 40 CFR 60,

Appendix A, Method 9, except that the opacity standard shall be determined as an average of twelve (12) consecutive observations recorded at fifteen (15) second intervals. Compliance of any operation lasting less than three (3) minutes shall be determined as an average of consecutive observations recorded at fifteen (15) second intervals for the duration of the operation.

- (b) The Permittee is subject to 326 IAC 6.8-11-4, 326 IAC 6.8-11-5 and 326 IAC 6.8-11-6 (formerly 326 IAC 6-1-11.2(h), (i), (k), (l), (m), (o), (p) and (q)) (Lake County Particulate Matter Contingency Measures) because it is subject to the requirements of 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1).
- (c) Permittee shall submit a Fugitive Dust Control Plan to the IDEM in accordance with 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1). Permittee shall keep records consistent with its Fugitive Dust Control Plan.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: ISG Burns Harbor LLC (Gary Plate)
Source Address: One North Broadway, Gary Indiana 46402
Mailing Address: 250 West U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T089-19192-00118

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
Phone: 317-233-0178
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: ISG Burns Harbor LLC (Gary Plate)
Source Address: One North Broadway, Gary Indiana 46402
Mailing Address: 250 West U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T089-19192-00118

This form consists of 2 pages

Page 1 of 2

<p>This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none">• 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) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

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

Page 2 of 2

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

Form Completed by:

Title / Position:

Date:

Phone:

A certification is not required for this report.

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

Part 70 Quarterly Report

Source Name: ISG Burns Harbor LLC (Gary Plate)
Source Address: One North Broadway, Gary Indiana 46402
Mailing Address: 250 West U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T089-19192-00118
Facility: No.1, No. 2 and No.3 Slow Cool Furnaces (SPRm1) and No.1 and No.2 Slow Cool Furnaces (PMRm1)
Parameter: Total natural gas usage
Limit: combined shall not exceed 779 million cubic feet per 12 consecutive month period

YEAR:

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on:

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

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: ISG Burns Harbor LLC (Gary Plate)
Source Address: One North Broadway, Gary Indiana 46402
Mailing Address: 250 West U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T089-19192-00118
Facility: Heat Treatment Furnace
Parameter: NOx
Limit: shall be limited to 279.2 million cubic feet per year per 12 consecutive month period.

YEAR:

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.
Deviation has been reported on:

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

Attach a signed certification to complete this report.

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

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

Source Name: ISG Burns Harbor LLC (Gary Plate)
 Source Address: One North Broadway, Gary Indiana 46402
 Mailing Address: 250 West U.S. Highway 12, Burns Harbor, Indiana 46304
 Part 70 Permit No.: T089-19192-00118

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".	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

Indiana Department of Environmental Management Office of Air Quality

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

Source Name:	ISG Burns Harbor LLC (Gary Plate)
Source Location:	One North Broadway, Gary, IN 46402-3199
County:	Lake
SIC Code:	3399
Operation Permit No.:	T089-19192-00118
Permit Reviewer:	Teresa Freeman

On March 20, 2006, the Office of Air Quality (OAQ) had a notice published in The Post Tribune in Merrillville, Indiana and The Times in Munster, Indiana, stating that ISG Burns Harbor LLC (Gary Plate) had applied for a Part 70 Operating Permit to operate a plate mill 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 thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Upon further review, the OAQ has made the following revisions to the permit (bolded language has been added and 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:

On the cover page the signature box was changed to reflect the new Branch Chief for the OAQ Permits Branch.

Operation Permit No.: T089-19192-00118	
Issued by: Paul Dubenetzky, Assistant Commissioner Nisha Sizemore, Branch Chief Office of Air Quality	Issuance Date: Expiration Date:

Change 2:

The phone number and the fax number listed in Condition B.11 (b) Emergency Provisions and on the Emergency Occurrence Report have been corrected.

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

- (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, 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 No.: 317-233-~~5674~~**0178** (ask for Compliance Section)

Facsimile No.: 317-233-~~5967~~**6865**

Northwest Regional Office Telephone Number: (219) 757-0265

Northwest Regional Office Facsimile Number: (219) 757-0267

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF AIR QUALITY

COMPLIANCE BRANCH

100 North Senate Avenue

Indianapolis, Indiana 46204-2251

Phone: 317-233-~~5674~~**0178**

Fax: 317-233-~~5967~~**6865**

PART 70 OPERATING PERMIT EMERGENCY OCCURRENCE REPORT

Source Name: ISG Burns Harbor LLC (Gary Plate)
Source Address: One North Broadway, Gary Indiana 46402
Mailing Address: 250 West U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T089-19192-00118

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-~~5674~~**0178** ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-~~5967~~**6865**), and follow the other requirements of 326 IAC 2-7-16.

Change 3

On August 7, 2006, a temporary emergency rule took effect redesignating Delaware, Greene, Jackson, Vanderburgh, Vigo and Warrick Counties to attainment for the eight-hour ozone standard, redesignating Lake County to attainment for the sulfur dioxide standard, and revoking the one-hour ozone standard in Indiana. The Indiana Air Pollution Control Board has approved a permanent rule revision to incorporate these changes into 326 IAC 1-4-1. The permanent revision to 326 IAC 1-4-1 will take effect prior to the expiration of the emergency rule.

Therefore, the following changes will be made to the permit:

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 plate mill operation.

Responsible Official: Vice President and General Manager Burns Harbor
Division

Source Address: One North Broadway, Gary, IN 46402-3199
 Mailing Address: 250 WEST U.S. Highway 12, Burns Harbor, IN 46304
 General Phone Number: (219) 787 - 4973
 SIC Code: 3399
 County Location: Lake
 Source Location Status: Nonattainment for ~~SO₂, 1-hour ozone standard~~, 8-hour ozone standard and PM2.5
 Source Status: Attainment for all other criteria pollutants
 Part 70 Permit Program
 Major Source, under PSD and Emission Offset Rules
 Minor Source, Section 112 of the Clean Air Act
 1 of 28 Source Categories under PSD and Emission Offset Rules

Although the TSD itself will not be revised as it is a historical document and the TSD was correct at the time of public notice, the following is being provided to show how the county attainment status has been affected as a result of the 8-hour, 1-hour and SO₂ designation changes.

County Attainment Status

The source is located in Lake County.

Pollutant	Status
PM-10	attainment
PM2.5	nonattainment
SO ₂	Non Attainment
NO ₂	attainment
1-hour Ozone	nonattainment
8-hour Ozone	nonattainment
CO	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 nonattainment new source review. Therefore, VOC emissions alone are considered when evaluating the rule applicability relating to the 1-hour ozone standard. Lake County has been designated as nonattainment in Indiana for the 1-hour ozone standard. Therefore, VOC emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.~~

~~(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 nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.~~

(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. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Lake County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

(b) Lake County has been classified as nonattainment for SO₂. Therefore, these emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

- (eb) Lake County has been classified as nonattainment for PM2.5 in 70 FR 943 dated has directed states 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.
- (ec) Lake County has been classified as attainment or unclassifiable for all other pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (ed) 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.

On April 24, 2006, ISG Burns Harbor LLC (Gary Plate) submitted comments on the proposed Part 70 permit. The comments and IDEM responses (with language added shown in bold and deleted language in strikeout) are as follows:

Comment 1

The Table of Contents and the Technical Support Document should be modified consistent with these comments.

Response 1

All changes made to this Part 70 Permit as a result of comments have been made to the Table of Contents. IDEM prefers the Technical Support Document (TSD) to remain unchanged, therefore documenting the reasoning behind the permit conditions as public noticed. This TSD addendum points out and explains the reasoning for any changes to the permit after public notice. This method provides documentation for each step in the permit process.

Comment 2

A name change for the facility is pending and should be incorporated before the Title V Permit is issued in its final form. The Technical Support Document should be revised to indicate the following sequence of events: On November 1, 2003, ownership of the operating facilities at the former Plate Products Division at United States Steel Corporation – Gary Works was transferred to ISG Corporation. The facility was thereafter renamed ISG Burns Harbor LLC (Gary Plate). In 2005 Mittal Steel USA (“Mittal”) completed the merger with acquisition of ISG Corporation including the ISG Burns Harbor LLC (Gary Plate). A formal name change to reflect Mittal ownership is expected in the second quarter of 2006. The final permit should be issued with the Mittal name change throughout the document.

Response 2

Mittal Steel USA has indicated that a formal name change is expected in the second quarter of 2006, but has not submitted one at this time. If prior to issuance of this Part 70 Permit, IDEM receives a request, the change will be made; if not then an administrative amendment can be requested after issuance.

Comment 3

- (a) Condition A.1. – Source Status. This subsection of A.1. should be changed to reflect that the facility is an area source, not a major source, of hazardous air pollutants.
- (b) Condition A.1 — General Information. The 1-hour ozone standard has been revoked by U.S. EPA in 2005. Therefore, for the ozone emissions, the applicable standard should refer to 8-hour only. If IDEM decides to retain the reference to 1-hour standard for ozone,

because the state's regulations have not been revised to reflect the same yet, then the condition should specify that the 1-hour ozone is only state enforceable.

- (c) General Information identified in Condition A.1 should be revised prior to final issuance as needed to effect the most recent available data regarding the facility name, responsible official, address or telephone information.

Response 3

- (a) IDEM agrees that this source is an area source for HAPs and has been changed as requested:

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

Source Status: Part 70 Permit Program
Major Source, under PSD and Emission Offset Rules
~~Minor~~ Area Source, Section 112 of the Clean Air Act
1 of 28 Source Categories under PSD and Emission Offset Rules

- (b) See Change 3.
- (c) The Part 70 Permit currently reflects the most recent information that the company has provided to date.

Comment 4

- (a) Condition A.2. Delete 326 IAC 2-7-4(c)(3) as part of the regulatory basis for this section. 326 IAC 2-7-4(c)(3) contains Part 70 *application* content requirements not Part 70 permit requirements.
- (b) Condition A.2. Change “consists of” to “includes” in the first sentence because the Gary Plate facility consists of various other insignificant emissions units not listed in this condition.
- (c) Condition A.2. The references to “maximum” capacities should be modified to include “estimated” at the beginning of each phrase. Due to the age and historical changes to much of the original equipment, specific capacities cannot be easily established and must be estimated. Furthermore, because the equipment listed in these conditions do not have capacity limits, production limits, throughput limits, or heat input rate limits, this permit cannot impose such limits through these Facility Descriptions.

Response 4

- (a) 326 IAC 2-7-4(c)(3) does contain Part 70 application content requirements that specify the information to be included upon submittal by the source. The Part 70 Permit is then written based upon the information submitted in the application. The application contains additional information that was not included within the permit descriptions, but may be used for permit modification by reviewers and by stakeholders seeking additional information regarding the source.
- (b) The technical support document has a list of all the identified insignificant activities associated with this source. Condition A.2 lists the permitted emission units and pollution control devices; A.3 is used for the specifically regulated insignificant activities. If the Permittee wishes to include all of the insignificant activities in the Part 70 Permit, a complete list should be provided to IDEM OAQ with a request to amend the permit. No change has been made as a result of this comment.

- (c) The maximum capacities listed in the emission unit descriptions in A.3 and D section description boxes are used by IDEM OAQ in order to completely describe the units and to assess the source's potential to emit. While this information is descriptive and does not constitute enforceable conditions, the process specific emissions limitations identified in Section D of the permit are often determined from this information. Although the use of estimated has been included in the description, the Permittee should include accurate capacities when applying to modify the permit. Physical changes or changes in the method of operation that changed the capacity may also increase the emission unit's potential to emit. Documenting the capacity will assist both the Permittee and the IDEM in evaluating whether such a change requires a pre-construction permit or other approval. If these capacities are not accurate, the source is required to notify IDEM OAQ since this may change the applicability of the air permitting rules, and may result in an amendment or modification to the permit. The following changes have been made to A.3 and D section description boxes as a result of this comment:

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

ISG Burns Harbor LLC (Gary Plate) consists of the following permitted emission units and pollution control devices:

*One (1) Plate Mill Operation with an **estimated** maximum capacity of one (1) million tons per year, consisting of the following emission units:*

- (a) Plate Mill Slab Prep Facility
- (1) Three (3) Slow Cool Furnaces, identified as No. 1, No. 2 and No. 3 installed in 1992, having a natural gas heat input of 16 MMBtu per hour each, exhausting through Roof Monitor SPRm1.
- (2) One (1) Slab Grinder installed in 1985, having an **estimated** capacity of 264,000 tons per year, ducted to the Slab Grinder Baghouse exhausting through Stack SPGrStk 01.
- (b) Plate Mill Plant
- (1) Two (2) natural gas-fired Continuous Reheat Furnaces, identified as No. 1 and No. 2 installed in 1961, having an **estimated** heat input capacity of 300 MMBtu per hour each, exhausting through Stacks PMCFStk01, PMCFStk02 and Roof Monitor PMRm1.
- (2) One (1) natural gas-fired Batch Reheat Furnace, identified as No. 5 installed in 1961, having an **estimated** maximum heat input capacity of 40 MMBtu per hour, exhausting through the Roof Monitor PMRm1.
- (3) Two (2) natural gas-fired Batch Reheat Furnaces, identified as No. 6 and No. 8 installed in 1961, having an **estimated** maximum heat input capacity of 40 MMBtu per hour, each, exhausting through Stacks PMBReHStk6, PMBReHStk8 and Roof Monitor PMRm1.
- (4) One (1) natural gas-fired Batch Reheat Furnace, identified as No. 7 installed in 1961, having an **estimated** maximum heat input of 40 MMBtu per hour, exhausting through Roof Monitor PMRm1.
- (5) Two (2) natural gas-fired Hardening Furnaces identified as North Hardening Furnace (installed in 1969) and South Hardening Furnace (installed in 1962) having an **estimated** heat input capacity of 100 MMBtu per hour, each, exhausting through Roof Monitor PMRm1.
- (6) Two (2) natural gas-fired Tempering Furnaces identified as North Tempering

Furnace (installed in 1969) and South Tempering Furnace (installed in 1962) having an **estimated** maximum heat input capacity of 100 MMBtu per hour, each, exhausting through Roof Monitor PMRm1.

- (7) One (1) natural gas-fired Car Bottom Heat Treating Furnace installed in 1961, with an **estimated** maximum heat input capacity of 26 MMBtu per hour, exhausting through Roof Monitor PMRm1.
- (8) One (1) natural gas-fired Car Bottom Normalizing Furnace installed in 1961, having an **estimated** maximum heat input capacity of 26 MMBtu per hour, exhausting through Roof Monitor PMRm1.
- (9) Two (2) natural gas-fired Slow Cool Furnaces, identified as No. 1 and No. 2 installed in 1991, having an **estimated** maximum heat input capacity of 32 MMBTU per hour each, exhausting through Roof Monitor PMRm1.
- (10) One (1) natural gas-fired Plate Mill Heat Treatment Furnace (LOI) installed in 1997, with an **estimated** maximum heat input capacity of 56.5 MMBtu per hour, exhausting to a Stack PMHTStk1.

Comment 5

- (a) Condition A.3. Delete 326 IAC 2-7-4(c) as part of the regulatory basis for this section. 326 IAC 2-7-4(c) contains Part 70 *application* content requirements, not Part 70 permit requirements.
- (b) Condition A.3. Conditions A.3(a), (b), and (c) reference 326 IAC 6.8-1-2 as the authority for regulating the listed insignificant activities. The particulate limits in 326 IAC 6.8-1-2 are relevant and enforceable only when the units are exhausted through a stack where flow can be measured. 326 IAC 6.8-1-2 should not be referenced as regulating units that exhaust into a building or through a roof monitor where flow cannot reasonably be measured and compliance cannot be determined. Insignificant fugitive sources are regulated, if at all, by opacity and/or fugitive dust rules.
- (c) Gary Plate also operates the following insignificant activity that does not exhaust through a stack subject to 326 IAC 6.8-1-2:

One (1) Rolling Mill with a series of stands and rollers for changing the shape of the final steel product (e.g. scale breakers, reversing mill, leveler, quenching) and miscellaneous activities (including scarfing, crop shears, and plate transfer cars), with minimal emissions inside the building.

Response 5

- (a) See Response 4(a)
- (b) Regardless of whether a controlled emission unit exhausts directly to the atmosphere or indirectly through a building opening, roof monitor or ventilation system, it shall comply with a grain loading limit of three-hundredths (0.03) grain per dry standard cubic foot (dscf). Reasonable accommodations are made with respect to compliance monitoring or testing. Compliance should be documented in the Annual Compliance Certification (ACC). The requirement of the rule is an applicable requirement and must be included in the permit. No change has been made as a result of this comment.
- (c) IDEM prefers the Technical Support Document (TSD) to remain unchanged, therefore documenting the reasoning behind the permit conditions as public noticed. This TSD addendum points out and explains the reasoning for any changes to the permit after public notice. This method provides documentation for each step in the permit process. However,

the existence of the insignificant activity is duly noted.

Comment 6

- (a) Condition A.4. For clarity, the first sentence should be revised to read: "Pursuant to 326 IAC 2-7-2 (Applicability), this stationary source is required to have a Part 70 permit because..."
- (b) Condition A.4, subpart (b), should be deleted. This facility is required to have a Part 70 Permit because it is a "major source" as stated in A.4 (a) and as defined in 40 CFR 70.2 (Definitions – Major Source). This facility is not in a "source category" as that phrase is used in 40 CFR 70.3.

Response 6

- (a) IDEM agrees to the changes as follows:

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

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

- (b) This source is required to have a Part 70 Permit because it is a "major source" as defined in 326 IAC 2-7-1(22) and it meets the applicability under 40 CFR 70.3(a)(1) which states the following:

40 CFR 70.3(a) Part 70 sources. A State program with whole or partial approval under this part must provide for permitting of the following sources:

- (1) Any major source;
- (2) Any source, including an area source, subject to a standard, limitation, or other requirement under section 111 of the Act;
- (3) Any source, including an area source, subject to a standard or other requirement under section 112 of the Act, except that a source is not required to obtain a permit solely because it is subject to regulations or requirements under section 112(r) of this Act;
- (4) Any affected source; and
- (5) Any source in a source category designated by the Administrator pursuant to this section.

Comment 7

Condition B.3. Delete "pursuant to Title I of the Clean Air Act" from subpart (a) in order to maintain consistency with the language of 326 IAC 2-1.1-9.5(b)(1).

Response 7

The language "pursuant to Title I of the Clean Air Act" has been included in this condition to clarify that the state implementation plan and any changes must be approved by the US EPA through rulemaking under Title I of the Act. Therefore, since EPA must approve IDEM's rules, the conditions remain in effect until the rule is modified and approved by EPA or the unit is no longer operational. No change has been made as a result of this comment.

Comment 8

Condition B.4 — Enforceability. Gary Plate requests that all permit terms not directly related to

compliance with the Clean Air Act be marked state only enforceable to avoid the blanket designation of federal enforceability contained in this general permit term.

Response 8

Pursuant to Condition B.4, “unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source’s potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.” In this permit, all requirements are federally enforceable except for those specified in Conditions C.2 (Open Burning), C.4 (Incineration), C.6 (Stack Height) and C.7 (Asbestos Abatement Projects) each of which explicitly states that the underlying citation, either in whole or part, is not federally enforceable.

Comment 9

(a) Condition B.7. Delete “The submittal by the Permittee does require the certification by the ‘responsible official’ as defined by 326 IAC 2-1-1(34).” Condition B.7 generally references 326 IAC 2-7-5(6)(E) as the authority for the requirements contained therein. 326 IAC 2-7-5(6)(E) does not require certification of information submitted pursuant to this section. In addition, 326 IAC 2-7-4(f), which contains requirements for certification by a responsible official, only requires such certification for submittals of “any application form, report, or compliance certification.” Information which would be requested under 326 IAC 2-7-5(6)(E) is not so limited. Therefore, it is inappropriate to require all submittals, if any, required under Condition B.7 to be certified by a responsible official.

(b) Condition B.7 Add a new subpart (c) as follows:

“Records requested by IDEM, OAQ which are required to be kept by a Part-70 permit may be furnished directly to U.S. EPA along with a claim of confidentiality in accordance with 40 CFR 2, Subpart B.”

As currently drafted, subpart (b) does not make clear the difference between Mittal’s right to submit information to IDEM under a confidentiality claim and Mittal’s right to submit certain records directly to U.S. EPA under a confidentiality claim under federal law in lieu of sending the records to IDEM, OAQ. The latter right is specifically enumerated in 326 IAC 2-7-5(6)(E).

Response 9

(a) Pursuant to 326 IAC 2-7-6(1), compliance certification, testing, monitoring, reporting and record keeping requirements must be sufficient to assure compliance with the terms and conditions of a Part 70 Permit consistent with 326 IAC 2-7-5(3). Any document (including reports) required by a Part 70 Permit shall contain a certification by a “responsible official” that meets the requirements of 326 IAC 2-7-4(f). All reports or other submittals have to be certified by a responsible official as defined in 326 IAC 2-7-1(34). There is no change as a result of this comment.

(b) A clarification was added to B.7 (b) regarding submittal of confidentiality to IDEM or EPA as follows:

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.

- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. ~~When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.~~ **Records requested by IDEM, OAQ which are required to be kept by a Part 70 permit may be furnished directly to U.S. EPA along with a claim of confidentiality in accordance with 40 CFR 2, Subpart B.**

Comment 10

Condition B.8 (b). Revise subpart (b) to state: "One (1) certification shall be included with each submittal requiring certification. A single certification may cover multiple forms in (1) submittal. The Permittee may use the attached Certification Form or its equivalent." There are no requirements in 326 IAC 2 to use the separate certification form provided by IDEM. See draft Permit Condition B.15 (this change is consistent with the language regarding the optional use of IDEM's Quarterly Deviation and Compliance Monitoring Report).

Response 10

B.8 (b) was public noticed with "one (1) certification may cover multiple forms in one (1) submittal" included. The following change has been made to B.8 (b):

B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3) (C)]

- (b) One (1) certification shall be included, using the attached Certification Form **or its equivalent**, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

Comment 11

Condition B.9(a). Delete "in letter form" in the last sentence of the first paragraph in subpart (a). 326 IAC 2-7-6(5) does not require submittal of annual compliance certifications in any specific format.

Response 11

B.9(a) Annual Compliance Certification is being revised to remove "in letter form" in order to clarify the intent of the condition.

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:

Comment 12

Condition B.10 — Preventive Maintenance Plan. This condition should be deleted. The provisions of 326 IAC 1-6-3 do not apply to Gary Plate. 326 IAC 1-6-1. Similarly, none of the rules at 326 IAC §§ 2-7-5(1), -(3), -(13); 2-7-6(1), or -(6) mandates that the permit require a PMP.

326 IAC 2-7-5(13) requires that a Part 70 operating permit contain a provision requiring the permittee to maintain on-site the PMP "required by" § 2-7-4(c)(9). The latter section applies only to applications, not permits, and calls for a list of forms and attachments that:

shall include the following information **to the extent necessary to determine** applicable requirements ..., and compliance with applicable requirements and this rule, and compliance during

the term of the permit:

* * *

(9) Confirmation [that the source has on-site a PMP described in 326 IAC 1-6-3].

* * *

Since a PMP is not “necessary to determine” applicable requirements or compliance with such requirements, it not called for in either the application or the Permit.

Moreover, the terms of 326 IAC 1-6-3 (which, as indicated above, do not apply to) call for a PMP only for pollution control equipment, not the emitting facilities, and not “the source.”

This provision should be deleted.

Response 12

The Preventive Maintenance Plan requirement must be included in every applicable Part 70 permit pursuant to 326 IAC 2-7-5 (13). This rule refers back to the Preventive Maintenance Plan requirement found in 326 IAC 1-6-3. This Preventive Maintenance Plan rule sets out the requirements for:

- (1) Identification of the individuals responsible for inspecting, maintaining and repairing the emission control equipment (326 IAC 1-6-3 (a)(1)),
- (2) The description of the items or conditions in the facility that will be inspected and the inspection schedule for said items or conditions (326 IAC 1-6-3(a)(2)), and
- (3) The identification and quantification of the replacement parts for the facility, which the Permittee will maintain in inventory for quick replacement (326 IAC 1-6-3 (a) (2)).

It is clear from the structure of the wording in 326 IAC 1-6-3 that the PMP requirement affects the entirety of the applicable facilities. Only 326 IAC 1-6-3(a)(1) is limited, in that it requires identification of the personnel in charge of only the emission control equipment, and not any other facility equipment. 326 IAC 1-6-3(b) provides that “...as deemed necessary by the commissioner, any person operating a facility shall comply with the requirements of subsection (a) of this section.”

In addition to preventive maintenance performed on the control devices, preventive maintenance should also be performed on the emission units themselves because lack of proper maintenance on the units can result in increased emissions. Many types of facilities require maintenance in order to prevent excess emissions.

There is no change to the permit as a result of this comment.

Comment 13

- (a) Condition B.11(a). For subpart (a), insert “except as otherwise provided below” at the end of the sentence to be consistent with 326 IAC 2-7-16(a) and subpart (b) of Condition B.11.
- (b) Condition B.11(h). Delete subpart (h) in Condition B.11 requiring all emergencies to be reported in the facility’s quarterly deviation reports. Replace subpart (h) with language from 326 IAC 2-7-5(3)(C)(ii) stating that “proper notice submittal under Condition 16 (regarding emergencies) satisfies the reporting requirements of this item.”

Response 13

- (a) IDEM OAQ agrees to change B.11(a):

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, **except as otherwise provided in this condition.**
- (b) All deviations must be reported on the Quarterly Deviation and Compliance Monitoring Report and certified by the responsible official. All emergencies must be reported in accordance with 326 IAC 2-7-16. The Emergency Occurrence Report does not need to be certified by the responsible official because of the short time frame to notify IDEM. Therefore, in order to have the emergency certified by the responsible official, they must be submitted a part of the Quarterly Deviation and Compliance Monitoring Report.

Comment 14

Condition B.12(a). The last sentence of Condition B.12(a) states "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 language is not present in the permit shield provision of 326 IAC 2-7-15 and should, therefore, be deleted to make the permit condition conform to the federally approved language in the regulation.

Response 14

The last sentence of Condition B.12(a) is a statement that incorporates the intent of EPA as to the meaning and scope of a Part 70 permit shield as authorized by the Clean Air Act. The Part 70 Preamble states: "It is clear from the language of the Act that only requirements that have been reviewed by the permitting authority and identified as such in the permit can be shielded against. Review by the permitting authority would include a determination of applicability and a determination of the source's obligation(s) under the provision(s). This review includes the opportunity for public participation, EPA veto, and judicial review." 57 FR 32250 (IV.F.2(a)). IDEM will not delete this sentence.

In Condition B.12, the word "in" has been removed from the second sentence to be consistent with 326 IAC 2-7-15(a).

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.

Comment 15

Condition B.14 — Termination of Right to Operate. Gary Plate requests that IDEM confirm that it is not the Agency's intention to deny the Permittee a right to operate this source when the renewal deadline is missed for reasons beyond the permittee's control. For instance, in the event that the permittee sells the source and re-acquires it by default of the purchaser after the deadline for timely filing for renewal of the Title V Permit. As written, the permit term could be read to deny the permittee the right to operate even when the Agency agrees to issue a new permit.

Response 15

If the Permittee submits a timely and complete application for a Part 70 permit (including for renewal) then the source's failure to have a Part 70 permit is not a violation of 326 IAC 2-7-3. A timely Part 70 permit application as required by 2-7-4(a)(1)(D), must be submitted at least 9 months prior to the date of expiration of the source's existing operating permit. There are currently no provisions, including extending the deadline for submitting an application for renewal of the Part 70 Permit, in the rule to address the situation described. No change has been made as a result of this comment.

Comment 16

- (a) Condition B.15(a). Include the following statement to be consistent with 326 IAC 2-7-5(3)(C)(ii): "Proper notice submittal under 326 IAC 3-7-16 (Emergencies) satisfies the reporting requirements of this Section."
- (b) Condition B.15(b) — Deviations from Permit Requirements and Conditions. Gary Plate contends that situations may arise where compliance monitoring information may not be available due to situations beyond its control and that all excursions from compliance monitoring parameter ranges [do not] result in permit limit deviations. Therefore, Gary Plate requests that the permit be revised to include the following:

A deviation is an exceedence of a permit limitation or a failure to comply with a requirement of the permit. A deviation is not:

I. An emergency as defined in 326 IAC 2-7-1(12), or

II. Failure to make or record information required by the compliance monitoring provisions of applicable Section D's unless such failures exceeds 5% of the required data in any calendar quarter, or

III. An excursion from compliance monitoring parameters as identified in applicable Section D's unless tied to an applicable rule or limit.

Response 16

- (a) See Response 13(b).
- (b) The intent of the Part 70 permit program is to ensure that all reasonable information is provided to evaluate continuous compliance. Therefore, the department has required that compliance monitoring data for the complete duration of the operation should be assessed for ascertaining compliance. Failure to document response steps is a failure to provide the information necessary to evaluate continuous compliance. An excursion of a monitoring parameter is not a deviation from the permit requirement. Failure to take response steps needed due to an excursion is a deviation. No changes have been as a result of this comment.

Comment 17

- (a) Condition B.16 (a). Change "notification" to "application for permit modification" in the last sentence of subpart (a). Pursuant to 326 IAC 2-7-4(f), certification by a responsible official is only required for submissions of applications, reports and/or compliance certifications. 326 IAC 2-7-8(a) references the submission of an application for a permit modification making the requested change appropriate.
- (b) Condition B.16 (b)(2). Clarify this subpart by adding "of this permit" at the end of the sentence.

Response 17

- (a) See Response 9(c).
- (b) The beginning sentence of Condition B.16 (b) is "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". The requested change is unnecessary.

Comment 18

Condition B.17(c). To insure consistency with 326 IAC 2-7-4(1)(D), please change "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," to "and IDEM, OAQ fails to issue or deny the permit renewal prior to the expiration date of the Permittee's existing permit, the existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provisions under 326 IAC 2-7-15, until the renewal permit has been issued or denied."

Response 18

IDEM disagrees with the requested change. If the source has submitted a timely and complete renewal application or submits all information as requested in order to process the permit, the Permittee's current permit remains in effect. No change as been made as a result of this comment.

Comment 19

Condition B.18 – Title. Should be revised to read "Administrative Permit Amendment or Permit Modification." 326 IAC 2-7-11 governs *administrative* permit amendments and 326 IAC 2-7-12 governs permit modifications. Subparts (a), (b), and (d) of this Condition should also be revised in accordance with this comment.

Response 19

It has been determined that the current title of this condition, Permit Amendment and Modification [326 IAC 2-7-11][326 IAC 2-7-12] is sufficient and no change is needed.

Comment 20

Condition B.21(b). Insert "major" before "modification at an existing major source" to be consistent with the language of the cited regulations.

Response 20

All modifications are reviewed under 326 IAC 2-7-10.5, 326 IAC 2-2-2 and if located in a nonattainment area 2-3-2. No change will be made as a result of this comment.

Comment 21

Condition B.22(e). None of the regulations or statutory provisions cited in this subsection provides authority for the language contained within this subsection. The citation for this subsection should be changed to accurately reflect the federally approved statutory or regulatory basis for this Condition.

Response 21

IDEM OAQ disagrees. The regulations and/or statutory provisions cited in Condition B.22 does provide the authority for the language used. 326 IAC 2-7-6(6) allows the more specific language allowed in B.22 (e) in order to allow different types of monitoring equipment such as

photographs which are routinely taken to document conditions during an inspection, and are therefore included in 326 IAC 2-7-6(2)(C). The use of cameras or other recording, testing, or monitoring equipment for the purpose of assuring compliance with this permit, if necessary, is a reasonable extension of this documentation. This subsection acknowledges the right of the source to claim such information is confidential. There has been no change to this condition

Comment 22

Condition B.25 — Credible Evidence. This provision is inappropriate because it fails to reference that compliance for violations, or a violation, must be determined with reference to the applicable test method.

Response 22

Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule became effective on March 16, 2005; therefore the condition reflecting this rule will be incorporated into the permit as condition B.25.

Comment 23

Conditions C.2, C.3, C.6 (and other non-federally enforceable requirements throughout the permit). In these sections and throughout the permit, certain applicable provisions are designated “not federally enforceable.” Gary Plate requests that IDEM add after each such designation the phrase, “or enforceable by citizens in accordance with the Clean Air Act.” Since general permit term B.4 expressly includes citizen enforceability unless otherwise excluded, the permit should clarify that “not federally enforceable” also means “not enforceable by citizens under the Act” to avoid misunderstandings and the potential expense and burden of defending an unauthorized and unwarranted citizen suit.

Response 23

IDEM, OAQ disagrees: Citizen's have a right to sue the industries over the impact of pollution in the area under state law IC 13-30-1 et seq. There are specific standing requirements, notice to IDEM, Attorney General & Department of Natural Resources, in addition to other specific requirements and procedures. A complainant must always have legal standing to bring a lawsuit. The courts will make the determination of whether a citizen or citizens group has standing to bring the lawsuit after a citizen's suit has been filed. Conditions C.2, C.3, C.7 and C.8 have been identified as not federally enforceable in the draft permit. No change has been made as a result of this comment.

Comment 24

- (a) Condition C.5, Fugitive Dust Emissions. Move the fugitive dust emission limitations included in existing draft Permit Condition C.5 to Section D because they relate to specific facility operations and/or areas. The existing Condition D.2 should become Condition D.3 with the new D.2 containing limitations for fugitive dust sources. The new Condition D.2 should also specify how compliance with the emission limitations is to be determined as is stated in 326 IAC 6.8-10-3. Modify all subsequent condition numbers and all references thereto accordingly.
- (b) Condition C.5. To clarify the portion of the regulating authority that is implicated in Condition C.5 (new Condition D.2) restate the rule as “326 IAC 6.8-10-3.” [Note: Rule 6.8-10 (Lake County: Fugitive Particulate Matter) is only applicable to facilities or sources having a PTE of 5 tons/year of PM (or listed sources, of which we are not included). If 6.8-10 is inapplicable, then the facility is also not subject to 6.8-11-4, 5, or 6 as referenced in Condition C.5(b)].
- (c) Condition C.5(a)(11). Since all of the applicable emission limitations contained in 326 IAC 6.8-10-3 are specifically included in Condition C.5 (new Condition D.2) of the draft Permit,

subpart (a)(11) should be moved to the end of this subpart and be modified as follows: "Any facility or operation not otherwise specified in this condition or otherwise exempt from opacity standards shall...." The existing subparts (a)(12) through (a)(14) should be renumbered.

- (d) Condition C.5(a)(12). To be consistent with cited authority, in Condition C.5 (new Condition D.2), subpart (a)(12), modify the sentence as follows: "PM10 stack emissions from each material processing facility shall not exceed twenty-two thousandths (0.022) grains...."

Response 24

Condition C.5 has been deleted and a new Section D.3 has been created to combine all of the fugitive dust requirements. This source is not a listed source, however it does have a PTE greater than five (5) tons per year of PM and therefore the requirements of 326 IAC 6.8-10 are applicable. The subsequent C conditions have been renumbered. The changes are as follows:

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

~~(a) Pursuant to 326 IAC 6.8-10-3 (formerly 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%). The average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:~~

~~— (A) The first will be taken at the time of emission generation.~~

~~— (B) The second will be taken five (5) seconds later.~~

~~— (C) The third will be taken five (5) seconds later or ten (10) seconds after the first.~~

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

~~(2) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%). The fugitive particulate emissions from unpaved roads shall be controlled by the implementation of a work program and work practice under the fugitive dust control plan.~~

~~(3) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).~~

~~(4) 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.~~

~~(5) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.~~

~~(6) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.~~

- ~~(7) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).~~
- ~~(8) 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.~~
- ~~(9) The PM10 emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.~~
- ~~(10) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).~~
- ~~(11) Any facility or operation not specified in 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1(d)) shall meet a twenty percent (20%), three (3) minute average opacity standard.~~
- ~~(12) PM10 emissions from each material processing stack shall not exceed 0.022 grains per dry standard cubic foot and ten percent (10%) opacity.~~
- ~~(13) Fugitive particulate matter from the material processing facilities shall not exceed ten percent (10%) opacity.~~

~~Material processing facilities include crushers, screens, grinders, mixers, dryers, belt conveyors, bucket elevators, bagging operations, storage bins, and truck or railroad car loading stations.~~

- ~~(b) The Permittee is subject to 326 IAC 6.8-11-4, 326 IAC 6.8-11-5 and 326 IAC 6.8-11-6 (formerly 326 IAC 6-1-11.2(h), (i), (k), (l), (m), (o), (p) and (q) (Lake County Particulate Matter Contingency Measures) because it is subject to the requirements of 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1).~~

SECTION D.3 FUGITIVE DUST SOURCES

Facility Description [326 IAC 2-7-5(15)]

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

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

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

F.1 Fugitive Dust Emissions [326 IAC 6.8-10]

(a) Pursuant to 326 IAC 6.8-10 (formerly 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) Paved roads and Parking Lots.

(A) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%). The average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:

- (i) The first shall be taken at the time of emission generation.**
- (ii) The second shall be taken five (5) seconds later.**
- (iii) The third shall be taken five (5) seconds later or ten (10) seconds after the first.**

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

(B) The Permittee shall implement the control measures specified by 326 IAC 6.8-10-4 (formerly 326 IAC 6-1-11.1(e)(3)(F)) within twenty-four (24) hours after notification by the IDEM, OAQ or U.S.EPA of violating the average instantaneous opacity limit. A violation of the instantaneous average opacity limit is a violation of 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1).

(C) When requested by the department or the U.S. EPA, after an exceedance of the opacity limit is observed by a representative of either agency, the source shall initiate a compliance check with the surface silt loading limit. The department may require a revision of the control plan under subsection 326 IAC 6.8-10-4 (formerly 326 IAC 6-1-11.1(e)(8)), if the test shows an exceedance of the surface silt loading limit.

(2) Unpaved Roads and Parking Lots.

(A) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%). The average instantaneous opacity shall be the average of twelve (12) instantaneous opacity readings, taken for four (4) vehicle passes, consisting of three (3) opacity readings for each vehicle pass. The three (3) opacity readings for each vehicle pass shall be taken as follows:

- (i) The first shall be taken at the time of emission generation.**
- (ii) The second shall be taken five (5) seconds later.**
- (iii) The third shall be taken five (5) seconds later or ten (10) seconds after the first.**

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

- (B) The fugitive particulate emissions from unpaved roads shall be controlled by the implementation of a work program and work practice under the control plan required in 326 IAC 6.8-10-4 (formerly 326 IAC 6-1-11.1 (e)). The department may request a revision of the control plan pursuant to 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1(e)(8)), if an observation shows an exceedance of the average instantaneous opacity limit. The revision may be in lieu of, or in addition to, pursuing an enforcement action for a violation of the limit.

(3) Material Transfer Limits.

- (A) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%). The average instantaneous opacity shall consist of the average of three (3) opacity readings taken five (5) seconds, ten (10) seconds, and fifteen (15) seconds after the end of one (1) batch loading or unloading operation. The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume.

- (B) 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 the initial hopper of a material processing facility as defined in 3326 IAC 6.8-10-2 (formerly 326 IAC 6-1-11.1(c)) or material transfer for transportation within or outside the source property including, but not limited to, the following:

- (i) Transfer of slag product for use by asphalt plants:
(AA) From a storage pile to a front end loader; and
(BB) From a front end loader to a truck.
- (ii) Transfer of sinter blend for use at the sinter plant:
(AA) From a storage pile to a front end loader;
(BB) From a front end loader to a truck; and
(CC) From a truck to the initial processing point.
- (iii) Transfer of coal for use at a coal processing line:
(AA) From a storage pile to a front end loader; and
(BB) 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) 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. The opacity shall be determined using 40 CFR 60,

Appendix A, Method 9. The opacity readings shall be taken at least four (4) feet from the point of origin.

(5) Wind erosion from storage piles and exposed areas.

(A) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average. The opacity shall be determined using 40 CFR 60, Appendix A, Method 9, except that the opacity shall be observed at approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. These limitations may not apply during periods when application of fugitive particulate control measures are either ineffective or unreasonable due to sustained very high wind speeds. During periods of sustained very high wind speeds, the Permittee must continue to implement all reasonable fugitive particulate control measures and maintain records documenting the application of measures and the basis for a claim that meeting the opacity limitation was not reasonable given prevailing wind conditions.

(B) The opacity of fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minute average. The opacity shall be determined using 40 CFR 60, Appendix A, Method 9. These limitations may not apply during periods when application of fugitive particulate control measures are either ineffective or unreasonable due to sustained very high wind speeds. During periods of sustained very high wind speeds, the Permittee must continue to implement all reasonable fugitive particulate control measures and maintain records documenting the application of measures and the basis for a claim that meeting the opacity limitation was not reasonable given prevailing wind conditions.

(6) Inplant Transportation of Material by Truck or Rail.

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

(7) Inplant Transportation of Material by Front End Loader or Skip Hoist.

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%). Compliance with this limitation shall be determined by the average of three (3) opacity readings taken at five (5) second intervals. The three (3) opacity readings shall be taken as follows:

(A) The first shall be taken at the time of emission generation.

(B) The second shall be taken five (5) seconds later.

(C) The third shall be taken five (5) seconds later or ten (10) seconds after

the first.

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

(8) Material Processing Facilities.

(A) The PM₁₀ stack emissions from each material processing facility shall not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot and ten percent (10%) opacity. Compliance with the concentration limitation shall be determined using the test methods found in 326 IAC 6.8-3-1 (formerly 326 IAC 6-1-10.1(f)). Compliance with the opacity limitation shall be determined by 40 CFR 60, Appendix A, Method 9.

(B) The opacity of fugitive particulate emissions from a material processing facility, except crusher at which a capture system is not used, shall not exceed ten percent (10%). Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9.

(C) The opacity of fugitive particulate emissions from a crusher at which a capture system is not used shall not exceed fifteen percent (15%). Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9.

(D) 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. Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 22.

(E) The PM₁₀ emissions from building vents shall not exceed twenty-two thousandths (0.022) grain per dry standard cubic foot and ten percent (10%) opacity. Compliance with the concentration standard shall be determined by 40 CFR 60, Appendix A, Method 5 or 17, and with the opacity standard by 40 CFR 60, Appendix A, Method 9.

(9) Dust Handling Equipment. The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%). Compliance with this standard shall be determined by 40 CFR 60, Appendix A, Method 9.

(10) Any facility or operation not specified in 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1(d)(1)-(8)) shall meet a twenty percent (20%), three (3) minute opacity standard. Compliance with this limitation shall be determined by 40 CFR 60, Appendix A, Method 9, except that the opacity standard shall be determined as an average of twelve (12) consecutive observations recorded at fifteen (15) second intervals. Compliance of any operation lasting less than three (3) minutes shall be determined as an average of consecutive observations recorded at fifteen (15) second intervals for the duration of the operation.

(b) The Permittee is subject to 326 IAC 6.8-11-4, 326 IAC 6.8-11-5 and 326 IAC 6.8-11-6 (formerly 326 IAC 6-1-11.2(h), (i), (k), (l), (m), (o), (p) and (q)) (Lake County Particulate Matter Contingency Measures) because it is subject to the requirements of 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1).

- (c) **Permittee shall submit a Fugitive Dust Control Plan to the IDEM in accordance with 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1). Permittee shall keep records consistent with its Fugitive Dust Control Plan.**

Comment 25

Condition C.6. To be consistent with the stated authority, delete “(before controls)” in the first sentence of Condition C.6. Also include the exemptions per 326 IAC 1-7-5 and 1-7-3(d), under which sources having less than 25 tons/year actual emissions (after controls), and stack heights in existence (without major modifications), or dispersion techniques, in existence before 12/31/1970 are exempt from the stack height provisions contained in 326 IAC 1-7-3(a).

Response 25

IDEM agrees to the request and Condition C.5 (was C.6) has been changed to reflect the language in the rule as follows:

C.5 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. **All sources having less than 25 tons per year of actual emissions (after controls) and stack heights in existence, or dispersion techniques implemented prior to December 31, 1970 are exempt from the stack height provisions contained in 326 IAC 1-7-3(a).** The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

Comment 26

- (a) Condition C.7(a). To be consistent with 326 IAC 14-10-1, add “of a demolition or renovation activity, including the removal of regulated asbestos-containing material (RACM)” to the end of the first sentence in Condition C.7, subpart (a).
- (b) Condition C.7(b). In Condition C.7, subpart (b), change “notification is sent on a form provided by the Commissioner...” to “notification of the intent to demolish or renovate is sent to IDEM, OAQ...” to be consistent with 326 IAC 14-10-3(1). For the same reason, add, “regulated” before “asbestos” in subpart (b)(1).
- (c) Condition C.7(e). In Condition C.7, subpart (e), add “, except as provided in 326 IAC 14-10-1(b) for government ordered demolition” to be consistent with the cited authority.

Response 26

IDEM has changed C.6 (was C.7) to a shorter condition as follows:

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

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

- ~~(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 46204-2254~~

~~The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

- ~~(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.~~
- ~~(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).~~
- ~~(g) Indiana 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.~~

Comment 27

- (a) Condition C.8. Correct the cited authority in the Title of Condition C.8 to accurately reflect the corrected authority: "326 IAC 3-6."
- (b) Condition C.8. To clarify the applicability, scope and legal limits of Condition C.8, Performance Testing, and to provide reasonable flexibility for diagnostic testing:
 - 1. Include "required pursuant to the conditions of this permit" after "All testing" in the first sentence of Condition C.8, subpart (a);
 - 2. Include "for such required testing" after "A test protocol" at the beginning of the second paragraph of Condition C.8, subpart (a);
 - 3. Modify the first sentence of Condition C.8, subpart (b) as follows: "For such required testing, the Permittee..."; and
 - 4. Modify the first sentence of Condition C.8, subpart (c) as follows: "Pursuant to 326 IAC 3-6-4(b), such test reports for testing required by this permit must..."

Response 27

- (a) It has been determined that the current title of this condition, Performance Testing [326 IAC 3-6] is sufficient and no change is needed.
- (b) IDEM, OAQ agrees. The following changes have been made to Condition C.7 (was C.8):

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

- (a) All testing **required pursuant to the conditions of this permit** 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 **for such required testing**, 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) **For such required testing** 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 **such test reports for testing required by this permit** 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.

Comment 28

Condition C.9. To clarify the applicability and scope of Condition C.9, replace the word “Any” with the word “Such” at the beginning of the second sentence.

Response 28

IDEM, OAQ agrees. The following changes have been made to Condition C.8 (was C.9):

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~~ **Such** monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Comment 29

Condition C.10 (now C.9). Insert “does not” in front of “require the certification” in the second to last sentence. Notification of an inability to meet a specified compliance schedule is not an application form, report, or compliance certification, which requires responsible official certification pursuant to 326 IAC 2-7-4(f) (see also 326 IAC 2-7-6(1)).

Response 29

See Response 9(a).

Comment 30

Condition C.11 (now C.10) – Title. In the Title for Condition C.11, delete “40 CFR 60” and “40 CFR 63” as authority. As stated on page 5 of the Technical Support Document, the facility is not subject to New Source Performance Standards (40 CFR 60) or National Emission Standards for Hazardous Air Pollutants (40 CFR 63). For the same reasons, delete “, 40 CFR 60 Appendix A, 40 CFR 60 Appendix B, 40 CFR 63...” from the text of this condition.

Response 30

IDEM disagrees with the requested change. Although the Permittee currently has been determined to not have applicable New Source Performance Standards (40 CFR 60) or National Emission Standards for Hazardous Air Pollutants (40 CFR 61 or 40 CFR 63), the situation could change prior to the expiration of this permit that could require monitoring. No change has been made as a result of this comment.

Comment 31

Condition C.12 (now C.11). Delete this condition because it is not authorized by the referenced authorities. Also, it is improper to require parametric monitors to fall within any maximum reading for the normal range to be no less than 20% of full scale.

Response 31

The scale of a gauge is an important factor in providing reasonable information to evaluate compliance with applicable requirements with a certain degree of accuracy. According to Condition C.12, the gauges employed to measure pressure drop should have a scale such that normal readings shall be no less than 20% of full scale. Therefore, if the maximum reading on a scale in a meter is very large (say 100 inches of water) and optimum operating conditions for the equipment for which this meter is used fall in relatively small values (say 1-4 inches of water), any variations in the parameter may not be easily observable. In such cases both the accuracy and reliability of data will be questionable. Therefore, the department has established the criteria of 20% to use for range

on the scale for gauges to ensure accuracy and reliability of measurements. The Permittee should provide more detailed information about instances where certain constraints prohibit application of 20% criteria for gauges and the department intends to evaluate this on a case-by-case basis in order to provide the flexibility and still meet the objective compliance assurance. Therefore, no change has been made as a result of this comment.

Comment 32

Condition C.13(b) (now C.12). In Condition C.13, subpart (b), insert “not” before “require the certification...” in the last sentence. An Emergency Reduction Plan is not an application form, report, or compliance certification which requires responsible official certification pursuant to 326 IAC 2-7-4(f) (see also 326 IAC 2-7-6(1)).

Response 32

See Response 9(a)

Comment 33

Condition C.15 (now C.14)- Response to Excursions or Exceedances. Except for subsection (e), the requirements imposed by Condition C.15 are not authorized by law and should be deleted. The law gives Gary Plate every incentive to avoid excursions and exceedances so that subsections (a) - (d) serve no legitimate purpose.

It is also unclear, under subsection (c), whether the permit contemplates that Gary Plate or IDEM will make the “determination whether the Permittee has used acceptable procedures in response to an excursion or exceedance” The timeframe and procedures for such determinations are unclear, so that Gary Plate cannot be sure when (or whether) the “deviation” that triggers a reporting obligation under subsection (d) will be determined to have occurred. This makes timely and accurate reporting impossible.

Subsections C.15(a) - (d) should be deleted from the permit.

Response 33

The Permittee will be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. 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. IDEM has the authority under 326 IAC 2-7-5(3)(A)(iii) to require sufficient monitoring necessary to assure that all reasonable information is provided to evaluate continuous compliance with the permit limits. No change has been made as result of this comment.

Comment 34

Condition C.17. Pursuant to 326 IAC 2-6-3(a)(2), if the potential to emit falls below the thresholds in 326 IAC 2-6-3(a)(1), emission statements should only be required once every three years. The permit should reflect this. Also, in Condition C.17, subpart (a)(1), include “criteria” before the word “pollutants” to be consistent with the cited authority. Also, certification of the Emission Statement is required by 326 IAC 2-6-4 but not necessarily by a “responsible official” as defined by 326 IAC 2-7-1(34). The permit terms should be revised to more accurately reflect the underlying certification requirement and delete all references to “responsible official.”

Response 34

Condition C.16 (was C.17) has been corrected to contain the applicable section of the rule as follows:

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- ~~(a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:~~
- ~~(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);~~
 - ~~(2) Indicate estimated actual emissions of regulated pollutants (as defined by 326 IAC 2-7-1(32)) ("Regulated pollutant which is used only for purposes of Section 19 of this rule") from the source, for purposes of Part 70 fee assessment.~~

The statement must be submitted to:

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

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

- ~~(b) The 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.~~

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), the Permittee shall submit by July 1 an emission statement covering the previous calendar year as follows:**

- (1) starting in 2007 and every three (3) years thereafter, and**
- (2) any year not already required under (1) if the source emits volatile organic compounds or oxides of nitrogen into the ambient air at levels equal to or greater than twenty-five (25) tons during the previous calendar year.**

- (b) The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:**

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);**
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.**

The statement must be submitted to:

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

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

- (c) The 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, on or before the date it is due.

Comment 35

- (a) Condition C.19(a). Consistent with the deviation reporting requirements included in Condition B.15, and to clarify the requirements included in Condition C.19, include “probable” before “cause of the deviation...” in the second sentence of Condition C.19, subpart (a).
- (b) Condition C.19(a). Consistent with the deviation reporting requirements included in Condition B.15, and for consistency within Condition C.19, include “, or its equivalent,” after “The Quarterly Deviation and Compliance Monitoring Report” in the last sentence of subpart (a).
- (c) Condition C.19(f)(2). For clarity, in Condition C.19, subpart (f)(2), change “The emissions differ...” to “Whether emissions differ...”

Response 35

(a)-(b) Condition C.19(a) (now C.18) has been changed as follows:

C.18 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 **probable** 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 or its equivalent **or its equivalent** shall include the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).
 - (c) IDEM OAQ disagrees, the addition of “whether” changes the meaning of the condition. The report requires both criteria, if applicable to be reported

Comment 36

Ensure that all applicable authorities are cited in the condition titles included in Section D of the draft Permit.

Response 36

The following cite has been added to Section D:

D.1.7 Visible Emissions Notations [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]

Comment 37

Section D - Facility Descriptions. The descriptions in this section should be consistent with Mittal’s prior comments correcting descriptions in Condition A.2 of the draft Permit. Also, please ensure that all applicable authorities are cited in the condition titles included in Section D of the draft Permit.

Response 37

See Responses 4(c) and 36.

Comment 38

Condition D.1.2. Specify that the PM10 emission limits cited in this permit term for Lake County are for the non-condensable portion of PM10 only because the data used to develop these limits was limited to the filterable PM10 test results.

Response 38

326 IAC 6.8-4-1 (formerly 326 IAC 6-1-10.1(f)(1)) specifies the methods required to measure emissions of TSP matter and PM10 during testing. These changes do not belong in the Lake County PM-10 Emissions Requirements as requested, but are Testing Requirement conditions, therefore, no change has been made as a result of this comment.

Comment 39

Condition D.1.3. – Title. Correct the typographical error by changing the cited authority from “326 IAC 7-4.1.1” to “326 IAC 7-4.1-1.” Correct this same error in the text of Condition D.1.3.

Response 39

IDEM agrees and the following changes have been made:

D.1.3 Sulfur Dioxide (SO₂) Limitations [~~326 IAC 7-4.1.1-7-4.1-1~~]

Pursuant to 326 IAC ~~7-4.1.1-7-4.1-1~~, fossil fueled sources, the Slow Cool Furnaces No.1, No. 2 and No.3 (SPRm1), North Hardening Furnace and South Hardening Furnaces (PMRm1), North Tempering Furnace and South Tempering Furnace (PMRm1), Car Bottom Heat Treating Furnace (PMRm1), Car Bottom Normalizing Furnace (PMRm1), No.1 and No.2 Slow Cool Furnaces (PMRm1), and Plate Mill Heat Treatment Furnace (PMHTStk1) shall burn natural gas only.

Comment 40

Condition D.1.5. This condition should be deleted because it does not specify which “facilities and control devices”, if any, are properly subject to the PMP requirements.

Response 40

See Response 12

Comment 41

Condition D.1.8. Delete the continuous parametric monitoring requirement because it is unnecessary and overly burdensome for this small and simple source. The visible emission notation in Condition D.1.7 should be sufficient to ensure that the baghouse is properly operating when the Slab Grinder resumes operation. Continuous monitoring equipment is particularly burdensome on this idled Slab Grinder because it may need to restart quickly before the monitoring equipment can be properly approved as meeting the instrument specification.

Response 41

IDEM agrees this is a batch operation and the emissions are relatively low and that visible emissions and Condition D.1.6 (a) requiring operation of baghouse at all times the Slab Grinder is operating is sufficient to ensure compliance with the 2.57 lb/hour limitation for PM10. Condition D.1.8 has been deleted (all subsequent conditions have been renumbered) as follows:

~~D.1.8 Parametric Monitoring [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]~~

~~The Permittee shall record the pressure drop across the Slab Grinder baghouse (SPGrStk01) at least once day when Slab grinder is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 - 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports shall be considered a deviation from this permit.~~

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

Comment 42

Condition D.1.9. - Broken or Failed Bag Detection: Delete this permit term because the baghouse failure is addressed by D.1.6 and D.1.7 and this is not a continuous process vital to a single compartment baghouse. Also, it is unreasonable to require shutdown "immediately" as this requirement is both vague for purposes of certification and in some instances unnecessary to demonstrate compliance with the underlying emission limitation.

Response 42

Due to the deletion of parametric monitoring, Condition D.19 has been deleted as follows:

~~D.1.9 Broken or Failed Bag Detection [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]~~

~~For a single compartment baghouse controlling emissions from a process operated continuously a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).~~

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

Comment 43

Condition D.1.10. Delete subpart (d) because such records will not be required after deleting D.1.8 as indicated above.

Response 43

The record keeping requirements for D.1.8 are no longer required and have been deleted from Condition D.1.10 (d) (now D.1.8) as follows:

~~D.1.10~~ **8**Record Keeping Requirements

- (a) To document compliance with Condition D.1.4 (a), the Permittee shall maintain a log of the natural gas usage in the No.1, No. 2 and No.3 Slow Cool Furnaces (SPRm1) and No.1 and No.2 Slow Cool Furnaces (PMRm1) on a monthly basis.
- (b) To document compliance with Condition D.1.4 (b), the Permittee shall maintain a log of the natural gas usage in the Plate Mill Heat Treatment Furnace per 12 consecutive month period.
- (c) To document compliance with Condition D.1.7, the Permittee shall maintain records of the

once per day visible emissions of the Slab Grinder baghouse (SPGrStk01).

- ~~(d)~~ To document compliance with Conditions D.1.8, the Permittee shall maintain records of the operational parameters during normal operation when venting to the atmosphere.
- (ed) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

Comment 44

Condition D.2.1. Consistent with our prior comment, Condition D.2.1 should not reference 326 IAC 6.8-1-2 as the authority for regulating the listed insignificant activities. These are fugitive sources that do not exhaust through a stack that can be tested using Method 5 or otherwise determine compliance with the 0.03 grains/dscf standard. These insignificant units should be regulated only by applicable opacity limits.

Response 44

See Response 5(b)

Comment 45

We ask that IDEM incorporate the relevant and appropriate revisions to the Part 70 Permit terms developed through the CASE meetings or otherwise approved by the agency.

Response 45

All changes approved by the Commissioner have been incorporated into the Part 70 Permit.

Comment 46

Comments on the Technical Support Document ("TSD"):

- (a) The TSD states that the "Plate Mill was previously owned by U. S. Steel. All construction and operating permits for this facility were issued to U. S. Steel and have been incorporated into this Part 70 permit." TSD, p. 3. To clarify the scope of the permit shield, list all of the superseded permits in the technical support document.
- (b) The Technical Support Document section on Potential to Emit of the Source needs to be updated to reflect that the current facility combusts natural gas only. For instance, the Gary Plate facility is no longer a major source for sulfur dioxide.
- (c) The TSD incorrectly states that no previous emission data has been received from ISG Burns Harbor LLC (Gary Plate). Actual emissions have been previously submitted to IDEM.
- (d) The 1-hour ozone standard has been repealed.

Response 46

IDEM prefers the Technical Support Document (TSD) to remain unchanged, therefore documenting the reasoning behind the permit conditions as public noticed. This TSD addendum points out and explains the reasoning for any changes to the permit after public notice. This method provides documentation for each step in the permit process

- (a) All permits obtained by U.S. Steel were included in the technical support document.
- (b) The Potential to Emit was based upon natural gas only usage and SO₂ is listed below 100 tons per year.

- (c) The previous data that was submitted and available was not reflective of a fully operational facility and therefore was not used.
- (d) See Change 3.

**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:	ISG Burns Harbor LLC (Gary Plate)
Source Location:	One North Broadway, Gary, IN 46402-3199
County:	Lake
SIC Code:	3399
Operation Permit No.:	T089-19192-00118
Permit Reviewer:	Teresa Freeman and Gail McGarrity

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit application from ISG Burns Harbor LLC (Gary Plate) relating to the operation of a plate mill operation.

History

On November 1, 2003, ownership of the operating facilities at the former Plate Products Division of United States Steel Corporation-Gary Works (USS) located at One North Broadway in Gary, Indiana was transferred to ISG Corporation to create a new stationary source. The Plate Mill operation has been removed from the USS Part 70 Operating Permit. The facility was thereafter renamed ISG Burn Harbor Plate, LLC. On July 7, 2005, ISG submitted a GSD01 to change the name to ISG Burns Harbor LLC (Gary Plate). In 2005 Mittal Steel USA completed the acquisition of ISG Corporation including the ISG Burns Harbor LLC (Gary Plate).

A Part 70 Operating Permit will be issued to ISG Burns Harbor LLC (Gary Plate). No provisions in the transaction were made for USS to provide Coke Oven Gas or Blast Furnace Gas; so all equipment will be fired by natural gas.

Source Determination

- (a) ISG Burns Harbor LLC (Gary Plate) is considered a separate source from ISG- Indiana Harbor Works and ISG-Burns Harbor, although they are all owned by Mittal Steel USA. ISG Burns Harbor LLC (Gary Plate) is located in Gary, IN, ISG-Indiana Harbor Works is located in East Chicago, IN and ISG-Burns Harbor is located in Burns Harbor, IN and is ten (10) miles apart from the two steel mills.
- (b) ISG Burns Harbor LLC (Gary Plate) is also considered a separate source USS. ISG Burns Harbor LLC (Gary Plate) is not a support facility for USS, because it does not receive or provide any product to USS. The two sources are owned and operated by two separate independent companies.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

One (1) Plate Mill Operation with a maximum capacity of one (1) million tons per year, consisting of:

- (a) Plate Mill Slab Prep Facility

- (1) Three (3) Slow Cool Furnaces, identified as No. 1, No. 2 and No. 3 installed in 1992, having a natural gas heat input of 16 MMBtu per hour each, exhausting through Roof Monitor SPRm1.
 - (2) One (1) Slab Grinder installed in 1985, having a capacity of 264,000 tons per year, ducted to the Slab Grinder Baghouse exhausting through Stack SPGrStk 01.
- (b) Plate Mill Plant
- (1) Two (2) natural gas-fired Continuous Reheat Furnaces, identified as No. 1 and No. 2 installed in 1961, having a heat input capacity of 300 MMBtu per hour each, exhausting through Stacks PMCFStk01, PMCFStk02 and Roof Monitor PMRm1.
 - (2) One (1) natural gas-fired Batch Reheat Furnace, identified as No. 5 installed in 1961, having a maximum heat input capacity of 40 MMBtu per hour, exhausting through the Roof Monitor PMRm1.
 - (3) Two (2) natural gas-fired Batch Reheat Furnaces, identified as No. 6 and No. 8 installed in 1961, having a maximum heat input capacity of 40 MMBtu per hour, each, exhausting through Stacks PMBReHStk6, PMBReHStk8 and Roof Monitor PMRm1.
 - (4) One (1) natural gas-fired Batch Reheat Furnace, identified as No. 7 installed in 1961, having a maximum heat input of 40 MMBtu per hour, exhausting through Roof Monitor PMRm1.
 - (5) Two (2) natural gas-fired Hardening Furnaces identified as North Hardening Furnace (installed in 1969) and South Hardening Furnace (installed in 1962) having a heat input capacity of 100 MMBtu per hour, each, exhausting through Roof Monitor PMRm1.
 - (6) Two (2) natural gas-fired Tempering Furnaces identified as North Tempering Furnace (installed in 1969) and South Tempering Furnace (installed in 1962) having a maximum heat input capacity of 100 MMBtu per hour, each, exhausting through Roof Monitor PMRm1.
 - (7) One (1) natural gas-fired Car Bottom Heat Treating Furnace installed in 1961, with a maximum heat input capacity of 26 MMBtu per hour, exhausting through Roof Monitor PMRm1.
 - (8) One (1) natural gas-fired Car Bottom Normalizing Furnace installed in 1961, having a maximum heat input capacity of 26 MMBtu per hour, exhausting through Roof Monitor PMRm1.
 - (9) Two (2) natural gas-fired Slow Cool Furnaces, identified as No. 1 and No. 2 installed in 1991, having a maximum heat input capacity of 32 MMBTU per hour each, exhausting through Roof Monitor PMRm1.
 - (10) One (1) natural gas-fired Plate Mill Heat Treatment Furnace (LOI) installed in 1997, with a maximum heat input capacity of 56.5 MMBtu per hour, exhausting to a Stack PMHTStk1.

Unpermitted Emission Units and Pollution Control Equipment

The three (3) Slow Cool Furnaces, identified as No. 1, No. 2 and No. 3 installed in 1992 and two (2) natural gas-fired Slow Cool Furnaces, identified as No. 1 and No. 2 installed in 1991 were never permitted by United States Steel Corporation (USS).

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Insignificant emission units in the Slab Prep Area: one (1) Slab Cutter, three (3) Bug Burners, five (5) (Nos. 1 through 5) Stress Hood Furnaces and one (1) scarfer, exhausting through roof monitor. [326 IAC 6.8-1-2]
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6.8-1-2]
- (c) Insignificant emission units in the Plate Mill Area: eight (8) Bug Burners, one (1) cutting torch, four (4) Gantry Burners exhausting through roof monitor. [326 IAC 6.8-1-2]
- (d) One (1) Rolling Mill with a series of stands and rollers for changing the shape of the final steel product (e.g., scale breakers, reversing mill, leveler, quenching) and miscellaneous activities (including scarfing, crop shears, and plate transfer cars), with minimal emissions inside the building.

Existing Approvals

ISG Burns Harbor LLC (Gary Plate) was previously owned and operated by USS (Plant Id 089-00121). All construction and operating permits for this facility were issued to USS and have been incorporated into this Part 70 permit as follows:

- (a) Construction Permit 089-8606-00121, issued October 20, 1997.
- (b) Significant Source Modification 089-14988-00121, issued by July 19, 2002.

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

- (a) Construction Permit 089-8606-00121, issued October 20, 1997.

Condition: Equipment description and Condition 7.

Reason not incorporated: Permit was originally issued to USS, equipment description includes hydrogen atmosphere annealing furnaces including three fixed burner bases and two movable heating hoods, with a total heat input capacity of 56.5 million British Thermal Units per hour which remains under USS ownership. Condition 7 contains the input natural gas to the annealing furnaces shall be limited to 3.1 million cubic feet per month which has been incorporated in USS Part 70 permit.

- (b) Significant Source Modification 089-14988-00121, issued by July 19, 2002.

Condition: Equipment description and Condition 7.

Reason not incorporated: Permit was originally issued to USS, equipment description includes hydrogen atmosphere annealing furnaces including three fixed burner bases and two movable heating hoods, with a total heat input capacity of 56.5 million British Thermal Units per hour which remains under USS ownership. Condition 7 contains the input natural gas to the annealing furnaces shall be limited to 3.1 million cubic feet per month which has been incorporated in USS Part 70 permit.

Enforcement Issue

IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit, while owned by USS. IDEM is reviewing this matter and will take the appropriate action. This permit is intended to satisfy the requirements of the construction permit rules.

Emission Calculations

See Appendix A.

Recommendation

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

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

An administratively complete Part 70 permit renewal application for the purposes of this review was received on May 11, 2004.

There was no notice of completeness letter mailed to the Permittee.

Potential to Emit of the Source

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

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

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

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 2-1.1-1(16)) of PM₁₀, SO₂, CO and NO_x are equal to or greater than 100 tons per year and VOC is greater than 25. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) The source is not a major source of HAPs, as defined in 40 CFR 63.41, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).
- (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

No previous emission data has been received from ISG Burns Harbor LLC (Gary Plate).

County Attainment Status

The source is located in Lake County.

Pollutant	Status
PM-10	attainment
PM2.5	nonattainment
SO ₂	nonattainment
NO ₂	attainment
1-hour Ozone	nonattainment
8-hour Ozone	nonattainment
CO	attainment

- (a) Volatile organic compounds (VOC) and nitrogen oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone.
- (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 NO_x threshold for nonattainment new source review. Therefore, VOC emissions alone are considered when evaluating the rule applicability relating to the 1-hour ozone standard. Lake County has been designated as nonattainment in Indiana for the 1-hour ozone standard. Therefore, VOC emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (2) VOC and NO_x emissions are considered when evaluating the rule applicability relating to the 8-hour ozone standard. Lake County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (b) Lake County has been classified as nonattainment for SO₂. Therefore, these emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (c) Lake County has been classified as nonattainment for PM_{2.5} in 70 FR 943 dated has directed states to regulate PM₁₀ emissions as surrogate for PM_{2.5} emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.
- (d) Lake County has been classified as attainment or unclassifiable for all other pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (e) 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 assume 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 Part 60) included in this permit.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) included in this permit.
- (c) This source does not contain a pollutant-specific emissions unit:
 - (1) with the potential to emit before controls equal to or greater than one hundred (100) tons per year, and
 - (2) that is subject to an emission limit and has a control device that is necessary to meet that limit.

Therefore, the requirements of 40 CFR Part 64, Compliance Assurance Monitoring are not applicable.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-3 (Emission Offset)

- (a) The total natural gas usage for the No.1, No. 2 and No.3 Slow Cool Furnaces (SPRm1) and No.1 and No.2 Slow Cool Furnaces (PMRm1) combined shall not exceed 779 million cubic feet per 12 consecutive month period. This fuel limitation is equivalent to 39 tons of NOx per year. Therefore, 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offsets), do not apply.
- (b) Pursuant to Construction Permit 089-14988-00121, issued July 19, 2002 to USS, the input natural gas to the Heat Treatment Furnace shall be limited to 279.2 million cubic feet per year rolled on a daily basis. This production limitation is equivalent to NOx emissions of 25.1 tons per 12 consecutive month period. This production limitation is equivalent to NOx emissions of 0.22 tons per month. Therefore, 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offsets), do not apply.

326 IAC 2-6 (Emission Reporting)

Since this source is located in Lake County, and has a potential to emit NOx and VOC greater than or equal to twenty-five (25) tons per year, an emission statement covering the previous calendar year must be submitted by July 1 of each year. 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 6.8-10 (Lake County Fugitive Particulate Matter Control Requirements)

Pursuant to 326 IAC 6.8-10 (formerly 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%).
- (4) 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.
- (5) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.
- (6) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.
- (7) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (8) 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.
- (9) The PM10 emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
- (10) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
- (11) Any facility or operation not specified in 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1(d)) shall meet a twenty percent (20%), three (3) minute average opacity standard.
- (12) PM10 emissions from each material processing stack shall not exceed 0.022 grains per dry standard cubic foot and ten percent (10%) opacity
- (13) Fugitive particulate matter from the material processing facilities shall not exceed ten percent (10%) opacity

Material processing facilities include crushers, screens, grinders, mixers, dryers, belt conveyors, bucket elevators, bagging operations, storage bins, and truck or railroad car loading stations.

326 IAC 6.8-11-4, 326 IAC 6.8-11-5 and 326 IAC 6.8-11-6 (Lake County Particulate Matter Contingency Measures)

The source is subject to 326 IAC 6.8-11-4, 326 IAC 6.8-11-5 and 326 IAC 6.8-11-6 (formerly 326 IAC 6-1-11.2(h), (i), (k), (l), (m), (o), (p) and (q) (Lake County Particulate Matter Contingency Measures) because it is subject to the requirements of 326 IAC 6.8-10 (formerly 326 IAC 6-1-11.1).

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).

State Rule Applicability – Individual

326 IAC 6-3 (Particulate Emissions Limitations for Process 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 6.8-1 (Nonattainment Particulate Emission 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 6.8-1 (Nonattainment Particulate Emission Limitations) or 326 IAC 12 (New Source Performance Standards), then the limitations contained in 326 IAC 6.8-1 or 326 IAC 12 prevail.

326 IAC 6.8-1-2 (Nonattainment Area Particulate Limitations)

- (a) Pursuant to 326 IAC 6.8-1-2 (formerly 326 IAC 6-1-2), the Permittee shall not allow or permit discharge to the atmosphere of any gases which contain 0.03 grains per dry standard cubic feet (gr/dscf) the No.1, No. 2 and No.3 Slow Cool Furnaces (SPRm1), No.5 Batch Reheat Furnace(PMRm1), No.7 Batch Reheat Furnace(PMRm1) North Hardening Furnace and South Hardening Furnaces (PMRm1), North Tempering Furnace and South Tempering Furnace (PMRm1), Car Bottom Heat Treating Furnace (PMRm1), Car Bottom Normalizing Furnace (PMRm1) and No.1 and No.2 Slow Cool Furnaces (PMRm1).
- (b) Pursuant to 326 IAC 6.8-1-2 (formerly 326 IAC 6-1-2)(Nonattainment Area Particulate Limitations), the particulate matter emissions from the Slab Cutter, Bug Burners, Stress Hood Furnaces, scarfer, brazing equipment, cutting torches, soldering equipment and welding equipment shall not exceed 0.03 grains per dry standard cubic foot (gr/dscf) as determined by Method 5.

326 IAC 6.8-2-38 (Lake County PM10 Emission Requirements)

Pursuant to 326 IAC 6.8-2-38 (formerly 326 IAC 6-1-10.1(d)(36)), the PM10 emissions shall not exceed the following:

- (a) No.1 and No.2 Continuous Reheat Furnaces (PMCFStk01 and PMCFStk02) shall not exceed 0.009 pound of PM-10 per MMBtu of heat input each and 3.72 pounds per hour total.
- (b) No.6 and No.8 Batch Reheat Furnaces (PMBReHStk6 and PMBReHStk8) shall not exceed 0.009 pound of PM10 per MMBtu of heat input each and 0.070 pound per hour total.
- (c) The Slab Grinder baghouse (SPGrStk01) shall not exceed 0.0100 gr/dscf and 2.57 pounds per hour.
- (d) Plate Mill Heat Treatment Furnace (LO1) shall not exceed 0.003 gr/dscf and 0.096 pounds per hour.

326 IAC 7-4.1.1

Pursuant to 326 IAC 7-4.1.1, fossil fueled sources, the Slow Cool Furnaces No.1, No. 2 and No.3 (SPRm1), North Hardening Furnace and South Hardening Furnaces (PMRm1), North Tempering Furnace and South Tempering Furnace (PMRm1), Car Bottom Heat Treating Furnace (PMRm1),

Car Bottom Normalizing Furnace (PMRm1), No.1 and No.2 Slow Cool Furnaces (PMRm1), and Plate Mill Heat Treatment Furnace (PMHTStk1) shall burn natural gas only.

Compliance Requirements

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

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

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

- (a) Visible emission notations of the Slab Grinder baghouse (SPGrStk01), exhausts 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. 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. If abnormal emissions are observed, the Permittee shall take reasonable steps in accordance with Section C-Response to Excursions or Exceedences. Failure to take response steps in accordance with Section C-Response to Excursions or Exceedences shall be considered a deviation from this permit.
- (b) The Permittee shall record the pressure drop across the Slab Grinder baghouse (SPGrStk01) at least once day when Slab grinder is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 - 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan – Preparation, Implementation, Records and Reports shall be considered a deviation from this permit.
- (c) For a single compartment baghouse-controlling emissions from a process operated continuously a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

Conclusion

The operation of this plate mill operation shall be subject to the conditions of this Part 70 permit 089-19192-00118.

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

**Company Name: ISG Burns Harbor LLC (Gary Plate)
Address City IN Zip: One North Broadway, Gary, IN
Permit Number: T089-19192
Plt ID: T089-00118
Reviewer: Teresa Freeman/Gail McGarrity
Date: 5-May-04**

Heat Input Capacity*
MMBtu/hr

Potential Throughput
MMCF/yr

112.0

981.1

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0	5.5	84.0
				**see below		
Potential Emission in tons/yr	0.9	3.7	0.3	49.1	2.7	41.2

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

***combined total heat input of Slab Prep Slow Cool furnaces No.1, No.2 and No. 3 at 16 MMBtu/hr each and Plate Mill Slow Cool furnaces No. 1 and No. 2 at 32 MMBtu/hr each**

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

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

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

Limited PTE for NOx= (981.1 MMCF X 39 tons per year)/49.1tons per year= 779 MMCF per 12 consecutive month period

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Slow Cool Furnaces

HAPs Emissions

Company Name: ISG Burns Harbor LLC (Gary Plate)

Address City IN Zip: One North Broadway, Gary, IN

Permit Number: T089-19192

Pit ID: T089-00118

Reviewer: Teresa Freeman/Gail McGarrity

Date: 5-May-04

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	1.030E-03	5.887E-04	3.679E-02	8.830E-01	1.668E-03

HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	2.453E-04	5.396E-04	6.868E-04	1.864E-04	1.030E-03

Methodology is the same as page 1.

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

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

Company Name: ISG Burns Harbor LLC (Gary Plate)
Address City IN Zip: One North Broadway, Gary, IN
Permit Number: T089-19192
Plt ID: T089-00118
Reviewer: Teresa Freeman/Gail McGarrity
Date: 5-May-04

Heat Input Capacity*
MMBtu/hr

Limited Potential
MMCF/yr

112.0

779.0

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Limited Potential Emission in tons/yr	0.7	3.0	0.2	39.0	2.1	32.7

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

***combined total heat input of Slab Prep Slow Cool furnaces No.1, No.2 and No. 3 at 16 MMBtu/hr each and Plate Mill Slow Cool furnaces No. 1 and No. 2 at 32 MMBtu/hr each**

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

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

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

Limited PTE for							
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