



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: January 30, 2007
RE: Beta Steel Corporation / 127-24021-00036
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

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 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires 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, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-AM.dot 03/23/06



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

January 30, 2007

100 North Senate Avenue
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
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Mr. John Hudson
Beta Steel Corp.
6500 Boundary Rd.
Portage, IN 46368

Re: 127-24021-00036
First Administrative Amendment to
Part 70 127-9691-00036

Dear Mr. Hudson:

Beta Steel Corp. was issued a Part 70 permit on August 12, 2004 for a mini steel plant. A letter requesting a change of responsible official was received November 30, 2006. Mr. Fred Rocchio has been authorized by Beta Steel Corp. and its subsidiaries to complete and sign documents as the plant Responsible Official. Mr. Rocchio holds the President and Chief Executive Officer position. Mr. Rocchio meets the requirements of 326 IAC 2-7-1(34)(A).

On October 25, 2006, the Indiana Air Pollution Control Board issued a rule revision revoking the 1 hour Ozone Standard in Indiana.

Pursuant to the provisions of 326 IAC 2-7-11(a)(2) the permit is hereby administratively amended as follows:

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

The Permittee owns and operates a mini steel mill.

Responsible Official: Director of Manufacturing Fred Rocchio, President and Chief Executive Officer

Source Location Status: None attainment for 1 hour Ozone Standard

Also IDEM has made the following changes:

- 1. As of January 1, 2001, the name of the Office of Air Management (OAM) has been changed to the Office of Air Quality (OAQ). All references to "Office of Air Management" have been changed to "Office of Air Quality" and all references to "OAM" have been changed to "OAQ".
2. The mailing address of IDEM, Office of Air Quality (OAQ) has changed. All references in the permit to "Post Office Box 6015, Indianapolis, Indiana 46206-6015" have been changed to "100 North Senate, Indianapolis, Indiana 46204-2251".
3. The compliance address has been changed from "Compliance Data Section, Office of Air Management, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, IN 46206-6015" to "Indiana Department of Environmental Management, Office of Air Quality, Compliance Data Section, 100 North Senate Avenue, Indianapolis, IN 46204-2251".

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Pam K. Way of my staff, at 317-232-8427 or 1-800-451-6027, press 0 and ask for extension 2-8427.

Sincerely,

Original document signed by

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Attachments: Revised Permit
NS/pkw

cc: File – Porter County
Porter County Health Department
Air Compliance Section – Michael Hall
IDEM Northern Regional Office
Billing, Licensing and Training Section – Dan Stamankin



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PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

**Beta Steel Corporation
6500 South Boundary Road
Portage, Indiana 46368**

(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.: T127-9691-00036	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: August 12, 2004 Expiration Date: August 12, 2009

1 st Administrative Amendment No.: T127-24021-00036	
Issued by: <i>Original document signed by</i> Nisha Sizemore, Branch Chief Office of Air Quality	Issuance Date: January 30, 2007 Expiration Date: August 12, 2009

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Certification
Emergency Occurrence Report
Quarterly Deviation and Compliance Monitoring Report
Quarterly Reports

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

The Permittee owns and operates a mini steel mill.

Responsible Official:	Fred Rocchio, President and Chief Executive Officer
Source Address:	6500 South Boundary Road, Portage, IN 46368
Mailing Address:	6500 South Boundary Road, Portage, IN 46368
General Source Phone Number:	219-787-8200
SIC Code:	3312
County Location:	Porter
Source Location Status:	Nonattainment for 8-hour Ozone Standard Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD and Emission Offset Rules; Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

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

- (1) One (1) Melt Shop with a production capacity of 1.1 million tons per year of steel comprised of the following:
 - (a) One (1) twin shell electric arc furnace (EAF), identified as unit 1, constructed in 1997, having a maximum capacity of 151 tons per hour, equipped with a direct shell evacuation (DSE) control system (Afourth hole@ duct), an overhead roof exhaust system consisting of a canopy hood, an air gap for controlling carbon monoxide (CO) and volatile organic compounds (VOC) emissions, low - NOx/oxyfuel burners and the melt shop baghouse CE-2 controlling PM/PM10 emissions, exhausting through stack S-2 with a continuous opacity monitor (COM).
 - (b) One (1) ladle metallurgical station, identified as unit 2, constructed in 1997, having a maximum capacity of 151 tons per hour, exhausting to a side draft hood ducted to the melt shop baghouse CE-2 exhausting through stack S-2 with a COM.
 - (c) One (1) continuous caster, identified as unit 3, constructed in 1997, having a maximum capacity of 151 tons per hour, with emissions from the hot metal handling and pouring operations exhausting to a canopy hood and ducted to the melt shop baghouse CE-2, then through stack S-2 with a COM. Steam from the slab cooling operations is vented through a steam vent in the roof of the Melt Shop Building.

- (d) One (1) Slag Air Cooling Bay Area, identified as unit 4, constructed in 1997, having a maximum capacity of 10 tons per hour, exhausting through the Slag Cooling Bays exhaust system to the melt shop baghouse CE-2 for controlling PM/PM10 emissions, exhausting through the melt shop Stack (S-2) with a COM.
 - (e) Three (3) natural gas fired, ladle preheat holding stations identified as units 5, 6 and 7, constructed in 1997, having a heat input capacity of 11.5 MMBtu per hour each, exhausting to canopy hoods ducted to the melt shop baghouse CE-2, exhausting through the melt shop stack S-2 with a COM.
 - (f) One (1) natural gas fired, ladle preheat holding station, identified as unit 8, constructed in 1997, having a heat input capacity of 6 MMBtu per hour. Emissions exhaust to canopy hoods ducted to the melt shop baghouse CE-2, then exhausting through stack S-2, with a COM.
 - (g) One (1) natural gas fired, Tundish dry out and preheat station identified as unit 9, constructed in 1997, having a heat input capacity of 3.5 MMBtu per hour. Emissions exhaust to canopy hoods ducted to the melt shop baghouse CE-2, then exhausting through stack S-2, with a COM.
 - (h) One (1) CoJet System including oxy-fuel burners
 - (i) Oxy-fuel cutoff Torch at the exit end of the continuous caster
- (2) Hot Strip Mill Operations with a maximum capacity of 1.16 MM ton per year steel production, comprised of the following:
- (a) One (1) 264.6 MMBtu/hour natural gas fired Reheat Furnace identified as unit 10, constructed in 1992, equipped with low NOx burners and a Selective Catalytic Reduction (SCR) Unit (CE-1), exhausting to Reheat Furnace Stack (S-1).
 - (b) One (1) 60-inch Hot Strip Mill consisting of unit 11 (Hot Rolling Mill), unit 12 (Strip Cooling Line) and unit 13 (Coiler), constructed in 1991, having a maximum capacity of 170 tons per hour.
- (3) Fugitive dust and material handling processes
- (a) Roadways and parking lots are paved
 - (b) Material Handling
 - (1) EAF slag pit dig out operations are controlled by a canopy hood exhausted to melt shop baghouse (CE-2) through stack S-2, with a COM.
 - (2) Slag and materials, except steel scrap are handled in the melt shop building and the PM/PM10 emissions are controlled by the melt shop baghouse (CE-2) and exhaust through stack S-2, with a COM.
 - (3) Slag and materials, exclusive of steel scrap are stored within the enclosed building and the PM/PM10 emissions are controlled by the melt shop baghouse (CE-2) and exhaust through stack S-2, with a COM.

- (4) EAF slag cooling operations are conducted in the enclosed slag cooling area controlled by the melt shop baghouse (CE-2) through stack S-2, with a COM.

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

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

- (1) Specifically regulated insignificant activities
 - (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
 - (b) Cleaners and solvents characterized as follows: Having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38 degrees C (100EF).
- (2) Other insignificant activities
 - (a) Space heaters, process heaters, or boilers using the following fuels:
 - (i) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.
 - (ii) Propane or liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour.
 - (b) Combustion source flame safety purging on startup.
 - (c) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
 - (d) The following VOC and HAP storage containers: Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
 - (e) Refractory storage not requiring air pollution control equipment.
 - (f) Machining where an aqueous cutting coolant continuously floods the machining interface.
 - (g) The following equipment related to manufacturing activities not resulting in the emission of HAPS: brazing equipment, cutting torches, soldering equipment, welding equipment.
 - (h) Closed loop heating and cooling systems.
 - (i) Any of the following structural steel and bridge fabrication activities:
 - (1) Cutting 200,000 linear feet or less of one inch (10) plate or equivalent.
 - (2) Using 80 tons or less of welding consumables.
 - (j) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.

- (k) Any operation using aqueous solutions containing less than 1% by weight of VOCs, excluding HAPS.
- (l) Noncontact cooling tower systems with the following: Forced and induced draft cooling tower system not regulated under a NESHAP.
- (m) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (n) Heat exchanger cleaning and repair.
- (o) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (p) Flue gas conditioning systems and associated chemicals such as the following: sodium sulfate, ammonia, and sulfur trioxide.
- (q) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (r) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (s) Emergency generators as follows: Diesel generators not exceeding 1600 horsepower.
- (t) Filter or coalesce media change out.
- (u) Mold release agents using low volatile products (vapor pressure less than or equal to 2 kiloPascals measured at 38 degrees C).
- (v) A laboratory as defined in 326 IAC 2-7-1(21) (D).
- (w) A gasoline transfer dispensing operation handling less than or equal to one thousand three hundred (1,300) gallons per day and filling tanks having a capacity equal to less than ten thousand five hundred (10,500) gallons. Such storage tanks may be in a fixed location or on mobile equipment.

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

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

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

SECTION B

GENERAL CONDITIONS

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

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

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]

This permit 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.

B.3 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.4 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.5 Severability [326 IAC 2-7-5(5)]

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

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

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

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

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the responsible official as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

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

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

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

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

and

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

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

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

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

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

- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the responsible official as defined by 326 IAC 2-7-1(34).
- (d) to the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ and Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

Telephone Number: 1-888-209-8892 (Northwest Regional Office) (Toll free within
Indiana)
Telephone Number: 219-757-0265(Northwest Regional Office)
Facsimile Number: 219-757-0267

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Office of Air Quality
Compliance Data Section
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) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c) (9) be revised in response to an emergency.
 - (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
 - (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

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

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

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed 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.

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]

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

B.14 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
Office of Air Quality
Compliance Data Section
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.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6) (C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 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.16 Permit Renewal [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
Office of Air Quality
Compliance Data Section
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

- (b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a) (1) (D)]
 - (1) A timely renewal application is one that is:
 - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (B) 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.
 - (2) If IDEM, OAQ, upon receiving a timely and complete 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.
- (c) Right to Operate After Application for Renewal [326 IAC 2-7-3]
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.

- (d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]
If IDEM, OAQ fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

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

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Office of Air Quality
Compliance Data Section
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.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b) (2)]

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

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the emissions allowable under 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
Office of Air Quality
Compliance Data Section
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 which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes 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 increases and decreases in emissions in 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.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

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

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

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

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

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

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
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.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)] [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill

from IDEM, OAQ, the applicable fee is due April 1 of each year.

- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314]

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Particulate Emission Limitations for Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P] [326 IAC 6-3-2]

- (a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.
- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. This condition is not federally enforceable.

C.2 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 forty percent (40%) 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.3 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.4 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.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on December 10, 1991. The plan is included as Attachment B.

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

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

C.8 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. 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.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification 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.

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

C.10 Performance Testing [326 IAC 3-6]

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

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

No later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ no 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.11 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.12 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
Office of Air Quality
Compliance Data Section
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.13 Maintenance of Continuous Opacity Monitoring Equipment [326 IAC 2-7-5(3) (A) (iii)]

- (a) The Permittee shall, calibrate, maintain, and operate all necessary continuous opacity monitoring systems (COMS) and related equipment.
- (b) In the event that a breakdown of a continuous opacity monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (c) Whenever a continuous opacity monitor (COM) is malfunctioning or will be down for calibration, maintenance, or repairs for a period of four (4) hours or more, a calibrated backup COM shall be brought online within four (4) hours of shutdown of the primary COM, if possible. If this is not possible, visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of one (1) hour beginning four (4) hours after the start of the malfunction or down time.
 - (1) If the reading period begins less than one hour before sunset, readings shall be performed until sunset. If the first required reading period would occur between sunset and sunrise, the first reading shall be performed as soon as there is sufficient daylight.
 - (2) Method 9 opacity readings shall be repeated for a minimum of one (1) hour at least once every four (4) hours during daylight operations, until such time that the continuous opacity monitor is back in operation.
 - (3) All of the opacity readings during this period shall be reported in the Quarterly Deviation and Compliance Monitoring Reports.

- (d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, (and 40 CFR 60 and/or 40 CFR 63).

C.14 Maintenance of Continuous Emission Monitoring Equipment [326 IAC 2-7-5(3) (A) (iii)]

- (a) The Permittee shall, install, calibrate, maintain, and operate all necessary continuous emission monitoring systems (CEMS) and related equipment as specified in Section D.
- (b) All continuous emissions monitoring systems shall meet applicable performance specifications of 40 CFR 60, 40 CFR 75 or any other performance specification, and are subject to system certification requirements pursuant to 326 IAC 3-5-3.

C.15 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.16 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

- (a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.
- (b) Whenever a condition in this permit requires the measurement of a temperature or emission rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.
- (c) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

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

C.17 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
Office of Air Quality
Compliance Data Section
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.18 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

C.19 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan (or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan) under 40 CFR 60/63, such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:
 - (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.
 - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan (or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan) and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan (or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan) to include such response steps taken.

The OMM Plan (or Parametric Monitoring and SSM Plan) shall be submitted within the time frames specified by the applicable 40 CFR 60/63 requirement.

- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
 - (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan (or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan) ; or
 - (2) If none of the reasonable response steps listed in the Compliance Response Plan

or Operation, Maintenance and Monitoring (OMM) Plan (or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan) is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

- (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be 10 days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.
 - (4) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
- (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.
 - (3) An automatic measurement was taken when the process was not operating.
 - (4) The process has already returned or is returning to operating within ~~normal~~ parameters and no response steps are required.
- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.20 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 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.21 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 his rule") from the source, for purpose of fee assessment.

The statement must be submitted to:
Indiana Department of Environmental Management
Office of Air Quality
Billing, Licensing, and Training Section
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.

C.22 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

- (a) Records of all required data, reports and support information 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 kept 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.
- (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.23 General Reporting Requirements [326 IAC 2-7-5(3) (C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring

Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the responsible official as defined by 326 IAC 2-7-1(34).

- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
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.

Stratospheric Ozone Protection

C.24 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)]:

Melt Shop Operations with a maximum throughput of 1.1 MM tons of steel per year, comprised of the following facilities:

- (a) One (1) twin shell electric arc furnace (EAF), identified as unit 1, constructed in 1997, having a maximum capacity of 151 tons per hour, equipped with a direct shell evacuation (DSE) control system (Afourth hole@ duct), an overhead roof exhaust system consisting of a canopy hood, an air gap for controlling carbon monoxide (CO) and volatile organic compounds (VOC) emissions, low -NOx/oxyfuel burners and the melt shop baghouse CE-2 controlling PM/PM10 emissions, exhausting through stack S-2 with a continuous opacity monitor (COM).
- (b) One (1) ladle metallurgical station, identified as unit 2, constructed in 1997, having a maximum capacity of 151 tons per hour, exhausting to a side draft hood ducted to the melt shop baghouse CE-2 exhausting through stack S-2 with a COM.
- (c) One (1) continuous caster, identified as unit 3, constructed in 1997, having a maximum capacity of 151 tons per hour, with emissions from the hot metal handling and pouring operations exhausting to a canopy hood and ducted to the melt shop baghouse CE-2, then through stack S-2 with a COM. Steam from the slab cooling operations is vented through a steam vent in the roof of the Melt Shop Building.
- (d) One (1) Slag Air Cooling Bay Area, identified as unit 4, constructed in 1997, having a maximum capacity of 10 tons per hour, exhausting through the Slag Cooling Bays exhaust system to the melt shop baghouse CE-2 for controlling PM/PM10 emissions, exhausting through the melt shop Stack (S-2) with a COM.
- (e) Three (3) natural gas fired, ladle preheat holding stations identified as units 5, 6 and 7, constructed in 1997, having a heat input capacity of 11.5 MMBtu per hour each, exhausting to canopy hoods ducted to the melt shop baghouse CE-2, exhausting through the melt shop stack S-2 with a COM.
- (f) One (1) natural gas fired, ladle preheat holding station, identified as unit 8, constructed in 1997, having a heat input capacity of 6 MMBtu per hour. Emissions exhaust to canopy hoods ducted to the melt shop baghouse CE-2, then exhausting through stack S-2, with a COM.
- (g) One (1) natural gas fired, Tundish dry out and preheat station identified as unit 9, constructed in 1997, having a heat input capacity of 3.5 MMBtu per hour. Emissions exhaust to canopy hoods ducted to the melt shop baghouse CE-2, then exhausting through stack S-2, with a COM.
- (h) One (1) CoJet System including oxy-fuel burners
- (i) Oxy-fuel cutoff Torch at the exit end of the continuous caster

(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 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A (General Provisions), which are incorporated by reference in 326 IAC 12-1, apply to the EAF except when otherwise specified in 40 CFR Part 60, Subpart AAa.

D.1.2 Particulate Limitation (NSPS) [40 CFR 60 Subpart AAa]

Pursuant to 40 CFR 60, Subpart AAa (Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarbonization Vessels Constructed After August 7, 1983), particulate emissions from the melt shop baghouse shall not exceed 0.0052 grains per dry standard cubic feet.

D.1.3 Particulate Matter (PM/PM-10) - Best Available Control Technology [326 IAC 2-2-3]

- (a) Pursuant to A 127-9642-00036, issued May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992) and 326 IAC 2-2-3 (BACT), (PM/PM10 where PM-10 includes filterable and condensable components) from the melt shop baghouse stack S-2 (exhausting EAF, LMF, Caster and natural gas combustion units) shall not exceed 0.0052 grains per dry standard cubic feet (gr/dscf) and 58.8 pounds per hour (257 tons/year). The EAF shall be controlled by 140,000 acfm direct shell evacuation (DSE) system. The DSE and canopy hoods shall be ducted to the melt shop baghouse rated at least 1.0 million actual cubic feet per minute (MM acfm), demonstrating 100% capture.
- (b) Pursuant to A 127-9642-00036 issued May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992) and 326 IAC 2-2-3 (BACT), PM/PM-10 emissions from the one (1) continuous caster (unit 3) shall be captured by a canopy hood at 160,000 acfm and exhausted to the melt shop baghouse.
- (c) Pursuant to A 127-9642-00036 issued May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992) and 326 IAC 2-2-3 (BACT), PM/PM-10 emissions from the one (1) ladle metallurgical station (unit 2) shall be captured by a side draft hood and exhausted to the melt shop baghouse.
- (d) Pursuant to A 127-9642-00036 issued May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992) and 326 IAC 2-2-3 (BACT), the fugitive PM/PM10 emissions during furnace operations shall be captured by the roof canopies or contained and collected within the melt shop building.
- (e) Pursuant to A 127-9642-00036 issued May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992) and 326 IAC 2-2-3 (BACT), except for scrap steel, slag and raw material handling and storage shall be conducted inside the melt shop.

D.1.4 Nitrogen Oxides (NO_x) - Best Available Control Technology [326 IAC 2-2-3]

- (a) Pursuant to A127-9642-00036, issued May 30, 2003 (an amendment to CP 127-2326-00036 issued on February 24, 1992) and 326 IAC 2-2-3 (PSD - Control Technology Review; Requirements), the NO_x emissions from the melt shop operations (consisting of the EAF, LMF, Caster and natural gas combustion units) shall not exceed forty five hundredths (0.45) pound per ton of steel produced and 67.95 pounds per hour (247.5 tons/year) through the melt shop stack (S-2).
- (b) Pursuant to A127-9642-00036, issued May 30, 2003 (an amendment of CP 127-2326-00036 issued on February 24, 1992) and 326 IAC 2-2-3 (BACT), the (3) Ladle Preheat/Holding Stations shall be limited to the use of low NO_x natural gas fired burners. Each Ladle Preheat/Holding Station shall not exceed 11.5 MMBtu per hour heat input. Emissions from the three (3) stations shall be exhausted to the melt shop baghouse exhaust S-2.

- (c) Pursuant to A127-9642-00036, issued May 30, 2003 (an amendment of CP 127-2326-00036 issued on February 24, 1992) and 326 IAC 2-2-3 (PSD - Control Technology Review; Requirements), the (1) ladle/preheat station shall be limited to the use of low NO_x

natural gas fired burners and not exceed 6.0 MMBtu per hour heat input. Emissions from the one (1) ladle/preheat station shall be exhausted to the melt shop baghouse exhaust S-2.

- (d) Pursuant to A127-9642-00036, issued May 30, 2003 (an amendment of CP 127-2326-00036 issued on February 24, 1992) and 326 IAC 2-2-3 (PSD - Control Technology Review; Requirements), the (1) Tundish, Dry out and Preheat Station shall be limited to the use of low NO_x natural gas fired burners and not exceed 3.5 MMBtu per hour heat input. Emissions from the one (1) Tundish, Dry out and Preheat Station shall be exhausted to the melt shop baghouse exhaust S-2.

D.1.5 Sulfur Dioxide (SO₂) - Best Available Control Technology [326 IAC 2-2-3]

Pursuant to A 127-9642-00036 issued May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992) and 326 IAC 2-2-3 (BACT), the SO₂ emissions from the melt shop stack (S-2) (exhausting EAF, LMF, Caster and natural gas combustion units) shall not exceed 0.33 pounds per ton of steel produced and 49.83 pounds per hour (181.5 tons/year) from the baghouse stack.

D.1.6 Carbon Monoxide (CO) - Best Available Control Technology [326 IAC 2-2-3]

- (a) Pursuant to A127-9642-00036, issued May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992) and 326 IAC 2-2-3(2), Best Available control Technology (BACT), the EAF shall be controlled by 140,000 acfm direct shell evacuation (DSE) system. The combustion elbow at the DSE shall be designed to provide 200% excess air for the oxidation of CO and other present gaseous pollutants.
- (b) Pursuant to A 127-9642-00036 issued on May 30, 2003 (an amendment to CP 127-2326-00036, issued on February 24, 1992) and 326 IAC 2-2-3 (BACT), the total Melt Shop Stack (S-2) (exhausting EAF, LMF, Caster and natural gas combustion units) CO emissions shall not exceed 817 pounds per hour (3,578.8 tons/year).

D.1.7 Carbon Monoxide (CO) [326 IAC 9-1]

Pursuant to A 127-9642-0003, issued on May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992) and 326 IAC 9-1 (Carbon Monoxide Emission Limits), the CO concentrations shall be less than 20% of the maximum one (1) hour National Ambient Air Quality Standards (NAAQS) of 40 milligrams per cubic meter (40,000 ug/m³, 35 ppm). Modeling results indicate that CO will be less than 180 ug/m³ or 0.5% of the NAAQS.

D.1.8 Volatile Organic Compounds (VOC) [326 IAC 8-1-6] New Facilities: General Reduction Requirements (BACT)

Pursuant to 326 IAC 8-1-6, new facilities (as of January 1, 1980), which the potential to emit 25 tons or more of VOC per year, located anywhere in the in the state, which are not otherwise regulated by other provisions of this rule (326 IAC 8), shall reduce VOC emissions using best available control technology (BACT). The BACT requirements for 236 IAC 2-2 (PSD) are considered equivalent.

D.1.9 Volatile Organic Compounds (VOC) - Best Available Control Technology [326 IAC 2-2-3]

- (a) Pursuant to A 127-9642-00036, issued on May 30, 2003 (an amendment to CP 127-2326-00036, issued on February 24, 1992) and 326 IAC 2-2-3 (BACT), the volatile organic compound (VOC) emissions shall be controlled through a scrap management program to

eliminate steel scrap with high residual oil content.

- (b) Pursuant to A 127-9642-00036, issued on May 30, 2003 (an amendment to CP 127-2326-00036, issued on February 24, 1992) and 326 IAC 2-2-3 (BACT), the Permittee shall charge only clean scrap, consistent with the scrap management program.
- (c) Pursuant to A127-9642-00036, issued on May 30, 2003 (an amendment to CP 127-2326-00036 issued on February 24, 1992) and 326 IAC 2-2-3 (BACT), the combined VOC emissions from the Melt shop processes (consisting of EAF, LMF, Continuous Caster and natural gas units) shall not exceed 0.15 pounds per ton of steel produced and 82.5 tons per year from the common stack (S-2).

D.1.10 Visible Emissions Limitations (BACT) [326 IAC 2-2-3]

- (a) Pursuant to A 127-9642-00036 issued May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992) and 326 IAC 2-2-3 (BACT), visible emissions from any building opening as a result of EAF operation shall be limited to 3% opacity based on a six-minute average (24 readings taken in accordance with 40 CFR Part 60, Appendix A, Method 9).
- (b) Pursuant to A 127-9642-00036 issued May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992) and 326 IAC 2-2-3 (BACT), visible emissions shall not be allowed (3% opacity) from any roof building opening as a result of the EAF dust handling system operation based on a six-minute average (24 readings taken in accordance with 40 CFR Part 60, Appendix A, Method 9).

D.1.11 Visible Emissions Limitations (NSPS) [326 IAC 12] [40 CFR Part 60, Subpart AAa]

Pursuant to 40 CFR 60.272(a), Visible emissions from the EAF baghouse shall not exceed, 3% percent opacity at the common baghouse control device, 6% percent opacity from the melt shop due solely to the operations of the electric arc furnace, and 10% percent opacity from the dust handling system based on a six-minute average (24 readings taken in accordance with 40 CFR Part 60, Appendix A, Method 9).

D.1.12 Operational Parameters (PSD) (BACT) [326 IAC 2-2-3]

Pursuant to A127-9642-00036, issued May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992) and 326 IAC 2-2-3(2), Best Available control Technology), the Permittee shall comply with the revised SO₂, VOC and NO_x emissions from the melt shop by limiting the following throughput:

- (a) The maximum short-term metal production capacity from the melt shop shall not exceed 151 tons per hour, over a period of 24 operating hours rolling average, with compliance demonstrated at the end of each hour; and
- (b) The maximum long-term metal production capacity from the melt shop shall not exceed 1,100,000 tons per 12-consecutive month period with compliance demonstrated at the end of each month.

D.1.13 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the EAF (unit 1), ladle metallurgical facility (unit 2), exhaust duct system and melt shop baghouse (CE-2).

Compliance Determination Requirements

D.1.14 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11]

- (a) Within a period of one (1) year from the date of the latest valid compliance demonstration with Condition D.1.3 and D.1.10, the Permittee shall perform PM/PM10 testing on the Melt

shop operations consisting of the EAF, LMF, castor and natural gas combustion units, stack (S-2), utilizing methods as approved by the Commissioner, in accordance with Section C - Performance Testing. PM10 includes filterable and condensable PM10. This test shall be repeated annually from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.

Compliance with the visible emissions limit in Condition D.1.10 using the Continuous Opacity Monitor (COM) at the Melt Shop Baghouse shall serve to satisfy the annual PM/PM-10 testing requirement for Melt Shop Baghouse Stack (S-2), unless violations have occurred during the past 12 month period.

- (b) Within a period of one (1) year from the date of the latest valid compliance demonstration with Condition D.1.4, the Permittee shall perform NOx testing on the Melt shop operations consisting of the EAF, LMF, castor and natural gas combustion units, stack (S-2), utilizing methods as approved by the Commissioner in accordance with Section C - Performance Testing. This test shall be repeated annually from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.
- (c) Within a period of one (1) year from the date of the latest valid compliance demonstration, with Condition D.1.5 the Permittee shall perform SO2 testing on the Melt shop operations consisting of the EAF, LMF, castor and natural gas combustion units, stack (S-2), utilizing methods as approved by the Commissioner, in accordance with Section C - Performance Testing. This test shall be repeated annually from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.
- (d) Within a period of one (1) year from the date of the latest valid compliance demonstration with Condition D.1.6 and D.1.7, the Permittee shall perform CO testing on the Melt shop operations consisting of the EAF, LMF, castor and natural gas combustion units, stack (S-2), utilizing methods as approved by the Commissioner in accordance with Section C - Performance Testing. This test shall be repeated annually from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.
- (e) Within a period of one (1) year from the date of the latest valid compliance demonstration with Condition D.1.8, the Permittee shall perform VOC testing on the Melt shop operations consisting of the EAF, LMF, castor and natural gas combustion units; stack (S-2), utilizing methods as approved by the Commissioner in accordance with Section C - Performance Testing. This test shall be repeated annually from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.

The Permittee can demonstrate compliance with the melt shop VOC emission limit in Condition D.1.9(c) by calculating Total Organic Compounds (TOC) using carbon calculation. The Permittee if so desired can subtract the amount of methane observed during the VOC stack test from the TOC to calculate the non-methane VOC emissions to demonstrate compliance with the VOC emissions limit in condition D.1.9 of the permit.

- (f) Pursuant to A 127-9642-00036 issued May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992), the testing on the melt shop exhaust to demonstrate compliance with limits contained in the Conditions D.1.3 through D.1.10, the Permittee shall meet the specifications for stack test protocol as specified in the applicable Method. The Permittee can with prior approval from IDEM, OAQ choose to conduct the stack test in a manner where each test run consists of up to 2 heats (where each heat lasts

approximately one (1) hour) in the EAF at the melt shop.

D.1.15 Particulate Control

The melt shop exhaust duct system and baghouse (CE-2) shall be operated at all times when the melt shop is in operation.

D.1.16 CO and VOC Control

The Direct Shell Evacuation System shall be in operation at all times the EAF is in operation in the melting and refining periods to control CO and VOC emissions.

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

D.1.17 Visible Emission Observations and Continuous Opacity Monitoring [326 IAC 3-5] [40 CFR 60.273a]

Pursuant to 326 IAC 3-5 and 40 CFR 60.273a, the Permittee shall in order to demonstrate compliance with Condition D.1.10 and D.1.11:

- (a) shall calibrate, certify, operate, and maintain a continuous monitoring system to measure opacity from the Melt Shop stack S-2 in accordance with 326 IAC 3-5-2 and 3-5-3.
- (b) In the event that a breakdown of a continuous opacity monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (c) Whenever a continuous opacity monitor (COM) is malfunctioning or will be down for calibration, maintenance, or repairs for a period of four (4) hours or more, a calibrated backup COM shall be brought online within four (4) hours of shutdown of the primary COM, if possible. If this is not possible, visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of one (1) hour beginning four (4) hours after the start of the malfunction or down time.
 - (1) If the reading period begins less than one hour before sunset, readings shall be performed until sunset. If the first required reading period would occur between sunset and sunrise, the first reading shall be performed as soon as there is sufficient daylight.
 - (2) Method 9 opacity readings shall be repeated for a minimum of one (1) hour at least once every four (4) hours during daylight operations, until such time that the continuous opacity monitor is back in operation.
 - (3) All of the opacity readings during this period shall be reported in the Quarterly deviation and Compliance Monitoring Reports.
- (d) A furnace static pressure monitoring device is not required on any EAF equipped with a DEC system if observations of the melt shop opacity are performed by a certified visible emission observer as follows:
 - (1) Shop opacity observations shall be conducted at least once per day when the furnace is operating in the meltdown and refining period.
 - (2) Shop opacity shall be determined as the arithmetic average of 24 consecutive 15-second opacity observations of emissions from the shop taken in accordance with Method 9.

- (3) Shop opacity shall be recorded for any point(s) where visible emissions are observed. Where it is possible to determine that a number of visible emission sites relate to only one incident of visible emissions, only, only one observation of shop opacity will be required.
- (4) In this case, the shop opacity observations must be made for the site of highest opacity that directly relates to the cause (or location) of visible emissions observed during a single incident.

D.1.18 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the melt shop operations, at least once per shift. When the melt shop operation, 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 1.0 to 9.0 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 - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and shall be calibrated at least once every six (6) months.

D.1.19 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the melt shop when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting indoors. All defective bags shall be replaced.

D.1.20 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. 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. If operations continue after bag failure is observed and it will be 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.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been

repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.1.21 Monitoring of Operations [40 CFR 60.274a]

Pursuant to CP 127-2326-00036, issued February 24, 1992 (as amended in A127-9642-00036, issued May 30, 2003) and 40 CFR 60.274a, the Permittee shall comply with the following monitoring requirements:

- (a) Except as provided in paragraph D.1.17(d), the Permittee shall check and record on a once-per-shift basis the furnace static pressure if DEC (Direct-shell Evacuation Control) system is in use, and a furnace static pressure gauge is installed according to paragraph (d) below and either:
- (1) check and record the control system fan motor amperes and damper positions on a once-per-shift basis;
 - (2) install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate through each separately ducted hood; or
 - (3) install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate at the control device inlet and records damper positions on a once-per-shift basis.

The monitoring device(s) may be installed in any appropriate location in the exhaust duct such that reproducible flow rate monitoring will result. The flow rate monitoring device(s) shall have an accuracy of ∇ 10 percent over its normal operating range and shall be calibrated according to the manufacturer's instructions. The IDEM, OAQ, or the U.S. EPA may require the Permittee to demonstrate the accuracy of the monitoring device(s) relative to Methods 1 and 2 of 40 CFR Part 60, Appendix A..

- (b) A furnace static pressure monitoring device is not required on any EAF equipped with a DEC system if observations of shop opacity are performed by a certified visible emission observer as specified in Condition D.1.17 (d).
- (c) When the Permittee of the EAF is required to demonstrate compliance with the standard in conditions in D.1.10 and D.1.11, either the control system fan motor amperes and all damper positions or the volumetric flow rate through each separately ducted hood shall be determined during all periods in which a hood is operated for the purpose of capturing emissions from the electric arc furnace.
- (d) The Permittee shall perform monthly operational status inspections of the equipment that is important to the performance of the total capture system (i.e., pressure sensors, dampers, and damper switches). This inspection shall include observations of the physical appearance of the equipment (e.g., presence of holes in duct work or hoods, flow constrictions caused by dents or accumulated dust in duct work, and fan erosion). Any deficiencies shall be noted and proper maintenance performed.
- (e) Except as provided in Condition D.1.17 (d), the Permittee shall install, calibrate, and maintain a monitoring device that allows the pressure in the free space inside the electric arc furnace to be monitored. The monitoring device may be installed in any appropriate location in the electric arc furnaces or DEC duct prior to the introduction of ambient air such that reproducible results will be obtained. The pressure monitoring device shall have an accuracy of ∇ 5 millimeter of water gauge over its normal operating range and shall be calibrated according to the manufacturer's instructions.

- (f) Except as provided in Condition D.1.17 (d), the pressure in the free space inside the electric arc furnaces shall be determined during the melting and refining period(s) using the monitoring device required under item (d) of this condition. The pressure determined during the most recent demonstration of compliance shall be maintained at all times when the electric arc furnaces are operating in a meltdown and refining period.

Record Keeping and Reporting Requirements

D.1.22 Record Keeping Requirements

- (a) Pursuant to A127-16763-00036 and to demonstrate compliance with Conditions D.1.3 through D.1.6 and D.1.9, the Permittee shall maintain a log of information necessary to document compliance with the BACT emission limits of the following:
- (1) The throughput, natural gas usage, CO and opacity emission records for the melt shop.
 - (2) The inspection and maintenance of emission control equipment as set forth in the operation and maintenance program Attachment A.
 - (3) All transactions involved with implementation of the scrap management plan. This plan is included as Attachment C.
 - (4) These records shall be kept for five (5) year period and made available upon request.
- (b) Pursuant to A127-9642-00036 and to demonstrate compliance with Condition D.1.12, the Permittee shall maintain records of the short term production capacity and long term production capacity for 60 months and submit upon request.
- (c) To document compliance with operation condition D.1.17, the Permittee shall maintain records:
- (1) required under 326 IAC 3-5-6 at the source in a manner so that they may be inspected by the IDEM, OAQ, or the U.S. EPA., if so requested or required.
 - (2) of visible emission readings at the melt shop stack and make available upon request to IDEM, OAQ, and the U.S. EPA.
- (d) To document compliance with Condition D.1.18, the Permittee shall maintain records of the total static pressure drop in the baghouse during normal operation once per shift.
- (e) To document compliance with Condition D.1.19, the Permittee shall maintain records of the results of the inspections required under Condition D.1.19.
- (f) Pursuant to 40 CFR 60.276a, records of the measurements required in 40 CFR 60.274a, as also required in condition D.1.21, must be retained for at least 5 years following the date of the measurement.
- (g) All records shall be maintained in accordance with Section C- General Record Keeping Requirements of this permit.

D.1.23 Reporting Requirements [326 IAC 3-5-7] [40 CFR 60.276a]

- (a) Pursuant to A127-16763-00036, the Permittee shall submit a quarterly summary of the records required under D.1.22 (a) within thirty (30) days after the end of the quarter being reported to

Indiana Department of Environmental Management
Office of Enforcement
100 N. Senate Ave.
Indianapolis, IN 46204-2251

Indiana Department of Environmental Management
Compliance Data Section
Office of Air Quality
100 N. Senate Ave.
Indianapolis, IN 46204-2251

- (b) The Permittee shall submit a quarterly excess emissions report, if applicable, based on the continuous opacity monitor (COM) data, pursuant to 326 IAC 3-5-7. These reports shall be submitted within thirty (30) calendar days following the end of each calendar quarter and in accordance with Section C - General Reporting Requirements of this permit.
- (c) Pursuant to 40 CFR 60.276a, the Permittee shall comply with the following reporting requirements:
 - (1) The Permittee shall submit a semi-annual written report of exceedances of the control device opacity to IDEM, OAQ, and the U.S. EPA.
 - (2) Unless the Permittee elects to use the alternate to static pressure monitoring outlined in Condition D.1.21(b), the Permittee shall submit semi-annually any values that exceed furnace static pressure established under 40 CFR 60.274a(g) and values of control system fan motor amperes that exceed 15 percent of the value established under 40 CFR 60.274a(c) or values of flow rates lower than those established under 40 CFR 60.274a(c) to IDEM, OAQ, and the U.S. EPA.
 - (3) The Permittee shall furnish to IDEM, OAQ, and the U.S. EPA a written report of the results of the compliance emission test required to determine compliance with conditions D.1.3 through D.1.9. This report shall include the following information:
 - (A) Facility name and address;
 - (B) Plant representative;
 - (C) Make and model of process, control device, and continuous monitoring equipment;
 - (D) Flow diagram of process and emissions capture equipment including other equipment or process (es) ducted to the same control device;
 - (E) Rated (design) capacity of process equipment;
 - (F) The following operating conditions:
 - (i) List of charge and tap weights and materials;
 - (ii) Heat times and process log;
 - (iii) Control device operation log; and
 - (iv) Continuous monitor or Reference Method 9 data.

- (G) Test dates and test times;
 - (H) Test company;
 - (I) Test company representative;
 - (J) Test observers from outside agency;
 - (K) Description of test methodology used, including any deviation from standard reference methods;
 - (L) Schematic of sampling location;
 - (M) Number of sampling points;
 - (N) Description of sampling equipment;
 - (O) Listing of sampling equipment calibrations and procedures;
 - (P) Field and Laboratory data sheets;
 - (Q) Description of sample recovery procedures;
 - (R) Sampling equipment leak check results;
 - (S) Description of quality assurance procedures;
 - (T) Description of analytical procedures;
 - (U) Notation of sample blank corrections; and
 - (V) Sample emission calculations.
- (d) The report submitted by the Permittee does require the certification by the responsible official as defined by 326 IAC 2-7-1(34).

SECTION D.2

FACILITY OPERATION CONDITIONS

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

Hot Strip Mill Operations with a maximum capacity of 1.16 MM ton per year steel production, comprised of the following:

- (a) One (1) 264.6 MMBtu/hour natural gas fired Reheat Furnace identified as unit 10, constructed in 1992, equipped with low NOx burners and a Selective Catalytic Reduction (SCR) Unit (CE-1), exhausting to Reheat Furnace Stack (S-1).
- (b) One (1) 60-inch Hot Strip Mill consisting of unit 11 (Hot Rolling Mill), unit 12 (Strip Cooling Line) and unit 13 (Coiler), constructed in 1991, having a maximum capacity of 170 tons per hour.

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

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

D.2.1 Particulate Matter (PM/PM10) - Best Available Control Technology [326 IAC 2-2-3]

- (a) Pursuant to CP 127-2326-0003, issued February 24, 1992, (as amended in A127-9642-00036, issued May 30, 2003) and 326 IAC 2-2-3 (PSD - Control Technology Review; Requirements), the PM/PM10 (where PM10 includes filterable and condensable components) emissions from the Slab Reheat Furnace shall not exceed 16.3 pounds per MMscf of natural gas burned and 4.2 pounds per hour (18.5 tons per year).
- (b) Pursuant to CP 127-2326-00036 issued February 24, 1992, (as amended in A127-9642-00036, May 30, 2003) and 326 IAC 2-2-3 (PSD - Control Technology Review; Requirements) the PM and PM-10 from the hot strip mill shall be limited by using recirculated high pressure water descalers and water cooling sprays. Any particulate matter, in solid or liquid form shall be collected in flumes and transported to the scale pit.

D.2.2 Nitrogen Oxides (NOx) Best Available Control Technology [326 IAC 2-2-3]

- (a) Pursuant to A127-9642-00036, issued May 30, 2003 (an amendment to CP 127-2326-00036, issued February 24, 1992) and 326 IAC2-2-3(2), Best Available Control Technology (BACT), only natural gas shall be burned in the slab reheat furnace and the
- (b) Pursuant to A127-9642-00036, issued May 30, 2003 (an amendment of CP 127-2326-00036 issued February 24, 1992) and 326 IAC 2-2-3 (PSD - Control Technology Review; Requirements) the NOx emissions from Slab Reheat Furnace shall be controlled by NOx control technology consisting of low NOx burners and a Selective Catalytic Reduction (SCR) Unit (CE-1).
- (c) NOx emissions shall not exceed 77.06 lbs/MMscf (0.077 lb/ MMBtu) of natural gas burned and 18.88 pounds per hour on a three (3) operating hour average basis except during periods of startup and shutdown.(82.69 tons/year)
- (d) The following shall apply during periods of startup and shutdown:
 - (1) Startup is defined as the duration from the first firing of burners in the Reheat Furnace to the time when the exhaust gas temperature is within the optimum ranges of the operation of the control device for NOx emissions.

- (2) Shutdown is defined as the duration from first curtailment of fuel input to the Reheat Furnace burners with the intent of full shutdown to the final complete stop of fuel input and complete cessation of combustion in the Reheat Furnace.
- (3) The Reheat Furnace shall be operated in a manner consistent with good air pollution control and work practices to minimize emissions during startup and shutdown by operating in accordance with written procedures developed and maintained by the Permittee, which shall include at a minimum the following measures:
 - (A) Review of operating parameters of the unit during startup, or shutdown as necessary to make adjustments to reduce or eliminate excess emissions;
 - (B) Operate emission control equipment as soon as the Reheat Furnace exhaust gas temperature reaches the lower value of the optimum temperature range for the control equipment. This operation shall continue until the time the Reheat Furnace shutdown sequence is initiated with the intention of shutdown of the unit; and
 - (C) Implementation of inspection and repair procedures for the Reheat Furnace and the emissions control equipment prior to attempting startup to ensure proper operation.

D.2.3 Carbon Monoxide (CO) Best Available Control Technology [326 IAC 2-2-3]

Pursuant to A127-9642-00036 (an amendment of CP 127-2326-00036 issued February 24, 1992) and 326 IAC 2-2-3 (PSD - Control Technology Review; Requirements), the CO emissions from the Reheat Furnace shall not exceed 40 lb/MMscf of natural gas burned and 8.5 pounds per hour (37.2 tons/year).

D.2.4 Volatile Organic Compounds (VOC) Best Available Control Technology [326 IAC 2-2-3]

Pursuant to CP 127-2326-00036 issued February 24, 1992 (as amended in A127-9642-00036) and 326 IAC 2-2-3 (PSD - Control Technology Review; Requirements), the VOC emissions from the Reheat Furnace shall not exceed 1.7 lb/MMscf of natural gas burned and 0.4 pounds per hour (1.6 tons/year).

D.2.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the Reheat Furnace (unit 10) and the SCR unit (CE-1).

Compliance Determination Requirements

D.2.6 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11]

- (a) Within a period of one (1) year from the date of the latest valid compliance demonstration, the Permittee shall perform PM/PM10 testing on the Reheat Furnace Stack (S-1), utilizing methods as approved by the Commissioner, in accordance with Section C - Performance Testing. PM10 includes filterable and condensable PM10. This test shall be repeated annually from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.

- (b) Within a period of one (1) year from the date of the latest valid compliance demonstration, the Permittee shall perform CO testing on the Reheat Furnace Stack (S-1), utilizing methods as approved by the Commissioner, in accordance with Section C - Performance Testing. This test shall be repeated annually from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.
- (c) Within a period of one (1) year from the date of the latest valid compliance demonstration, the Permittee shall perform VOC testing on the Reheat Furnace Stack (S-1), utilizing methods as approved by the Commissioner, in accordance with Section C - Performance Testing. This test shall be repeated annually from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.

D.2 .7 NOx Emissions Control (Best Available Control Technology) [326 IAC 2-2-3]

Pursuant to 326 IAC 2-2-3 (BACT), the selective Catalytic Reduction (SCR) unit (CE-1) shall be operated at all times when the Reheat Furnace (unit 10) is in operation.

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

D.2.8 Continuous Emission Monitoring

- (a) Pursuant to A127-9642-00036, issued May 30, 2003, within twelve (12) months of issuance of A127-9642-00036, the Permittee shall install, calibrate, certify, operate and maintain a Continuous Emissions Monitoring System (CEMS) for NOx for the Reheat Furnace stack in accordance with 326 IAC 3-5-2 through 326 IAC 3-5-7.
 - (1) The CEMS shall measure NOx emissions rates in pounds per hour to demonstrate compliance with the limitations established in the BACT analysis and set forth in the permit when the reheat furnace is in operation. The Permittee shall measure the amount of natural gas consumed in terms of million cubic feet per hour at the reheat furnace during the operation. To demonstrate compliance with the NOx limits, the source shall take an average of the pounds of NOx per million cubic feet of natural gas used and pounds of NOx per hour over a three (3) operating hour period. The source shall maintain records of the emissions in pounds of NOx per million cubic feet of natural gas and pounds of NOx per hour.
 - (2) The Permittee shall determine compliance with Condition D.2.2, using data from the NOx CEMS, the fuel flow meter, and Method 19 calculations.
 - (3) The Permittee shall submit to IDEM, OAQ, within ninety (90) days after monitor installation, a complete written Monitoring Plan.
 - (4) The Permittee shall record the output of the system and shall perform the required record keeping, pursuant to 326 IAC 3-5-6, and reporting, pursuant to 326 IAC 3-5-7.
- (b) The Permittee shall install, calibrate, certify and operate continuous emissions monitors for carbon dioxide or oxygen at each location where nitrogen oxide emissions are monitored.
- (c) The Permittee shall submit the records of excess NOx emissions (defined in 326 IAC 3-5-7 and 40 CFR Part 60.7) from the continuous emissions monitoring system on a quarterly basis. These reports shall be submitted within thirty (30) calendar days following the end of each quarter and in accordance with Section C- General Reporting Requirements of this permit.

D.2.9 NOx Monitoring System Downtime [326 IAC 2-7-6] [326 IAC 2-7-5(3)]

Whenever the NOx continuous emissions monitoring system is malfunctioning or down for repairs or adjustments, the Permittee shall use the following method to record information related to NOx emissions:

- (a) Monitoring of the SCR operating parameters of the process NOx emissions at the outlet of SCR using the process control NOx analyzer shall be implemented. The Permittee shall record the NOx emissions using the NOx analyzer at least four (4) times per hour until the primary CEMS or backup CEMS is brought online and is functioning properly. The Preventive Maintenance Plan for SCR shall contain troubleshooting contingency and corrective actions for when the readings are outside of the normal range for any one reading during downtime of the NOx CEMS.
- (b) The instrument used for determining the NOx emissions at the outlet shall comply with Section C – Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

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.

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

D.2.10 Record Keeping Requirements

- (a) Pursuant to A127-16763-00036, 40 CFR 60.7 and to demonstrate compliance with Conditions D.2.1 through D.2.4, the Permittee shall maintain a log of information necessary to document compliance with the BACT emission limits of the following:
 - (1) The throughput and natural gas usage for the strip mill reheat furnace.
 - (2) The inspection and maintenance of emission control equipment as set forth in the operation and maintenance program, Attachment A.
 - (3) These records shall be kept for five (5) year period and made available upon request to the Office of Air Quality.
- (b) To document compliance with Condition D.2.9, the Permittee shall maintain records of the output of the system, and perform record keeping pursuant to 326 IAC 3-5-6.
- (c) When the NOx CEMs is inoperable, the Permittee shall keep records of the process control NOx analyzer output in order to demonstrate compliance.
- (d) All records shall be maintained in accordance with Section C- General Record Keeping Requirements of this permit.

D.2.11 Reporting Requirements

- (a) The Permittee shall submit a quarterly summary of the records required under D.2.10 (a) within thirty (30) days after the end of the quarter being reported to
Indiana Department of Environmental Management

Indiana Department of Environmental Management
Office of Enforcement
100 N. Senate Ave.
Indianapolis, IN 46204-2251

Indiana Department of Environmental Management
Office of Air Quality
Compliance Data Section and Permits Branch
100 N. Senate Ave.
Indianapolis, IN 46204-2251

- (b) The Permittee shall submit the records of excess NO_x emissions (defined in 326 IAC 3-5-7 and 40 CFR Part 60.7) from the continuous emissions monitoring system or process control NO_x analyzer when the CEMs is inoperable, on a quarterly basis to the address listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported.
- (c) The report submitted by the Permittee does require the certification by the responsible official as defined by 326 IAC 2-7-1(34).

Section D.3

Facility Operation Conditions

Facility Description [326 IAC 2-7-5(15)]: The source is also comprised of the following fugitive dust and material handling processes:

- (a) Roadways and parking lots are paved
- (b) Material Handling
 - (1) EAF slag pit dig out operations are controlled by a canopy hood exhausted to melt shop baghouse (CE-2) through stack S-2, with a COM.
 - (2) Slag and materials, except steel scrap are handled in the melt shop building and the PM/PM10 emissions are controlled by the melt shop baghouse (CE-2) and exhaust through stack S-2, with a COM.
 - (3) Slag and materials, exclusive of steel scrap are stored within the enclosed building and the PM/PM10 emissions are controlled by the melt shop baghouse (CE-2) and exhaust through stack S-2, with a COM.
 - (4) EAF slag cooling operations are conducted in the enclosed slag cooling area controlled by the melt shop baghouse (CE-2) through stack S-2, with a COM.

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

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

D.3.1 Particulate Matter (PM/PM10) Fugitive Dust Plan Limits Best Available Control Technology (BACT) [326 IAC 2-2-3]

Pursuant to CP-127-2326-00036, issued on February 24, 1992 and 326 IAC 2-2-3 (PSD) (BACT), the Permittee shall implement a fugitive dust plan to limit fugitive dust emissions that includes the following:

- (1) Reduce uncontrolled paved road and parking lot fugitive dust emissions by at least ninety percent (90%).
- (2) Treat plant roads as urban roads and limit the silt to 17 pounds per mile of particulate matter less than 75 microns in diameter.
- (3) EAF slag pit dig out operations, located within the slag handling canopy hood shall not exceed three percent (3%) opacity based on a six-minute average (24 readings taken in accordance with 40 CFR Part 60, Appendix A, Method 9).
- (4) Ensure controlled slag processing and storage pile emissions by conducting slag dumping and slag load out operations in an enclosed building exhausted to the melt shop baghouse stack S-2.
- (5) Ensure controlled storage pile emissions by storing excess slag in an enclosed building exhausted to the melt shop baghouse stack S-2.

D.3.2 Particulate Matter (PM/PM10) Best Available Control Technology (BACT) [326 IAC 2-2-3]

Pursuant to CP-127-2326-00036, issued on February 24, 1992, and 326 IAC 2-2-3(2) (PSD) the skull or steel scrap not mechanically reduced in size shall be torch/cut within an enclosed building

using the melt shop baghouse (CE-2) as the control device.

D.3.3 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

D.3.4 Fugitive Dust Particulate Matter (PM/PM10) Emission Limitations [326 IAC 6-5]

Pursuant to A127-9642-00036, issued May 30, 2003 and 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), the fugitive particulate matter emissions shall be controlled according to the plan submitted on December 10, 1991. This plan is included as Attachment B.

Compliance Determination Requirements

D.3.5 Particulate Matter (PM/PM10) Fugitive Dust Control Best Available Control Technology (BACT) [326 IAC 2-2-3(2)]

Pursuant to CP-127-2326-00036, issued on February 24, 1992 and 326 IAC 2-2-3(2) (BACT) Fugitive Dust Control Measures in the fugitive dust plan shall be followed to ensure control of the fugitive emissions at the source.

Section D.4 Facility Operations Conditions

Facility Description [326 IAC 2-7-5(15)]: The source also comprised of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (1) Specifically regulated insignificant activities
 - (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
 - (b) Cleaners and solvents characterized as follows: Having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38 degrees C (100EF).
- (2) Other insignificant activities
 - (a) Space heaters, process heaters, or boilers using the following fuels:
 - (i) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.
 - (ii) Propane or liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour.
 - (b) Combustion source flame safety purging on startup.
 - (c) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
 - (d) The following VOC and HAP storage containers: Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
 - (e) Refractory storage not requiring air pollution control equipment.
 - (f) Machining where an aqueous cutting coolant continuously floods the machining interface.
 - (g) The following equipment related to manufacturing activities not resulting in the emission of HAPS: brazing equipment, cutting torches, soldering equipment, welding equipment.
 - (h) Closed loop heating and cooling systems.
 - (i) Any of the following structural steel and bridge fabrication activities:
 - (A) Cutting 200,000 linear feet or less of one inch (10) plate or equivalent.
 - (B) Using 80 tons or less of welding consumables.
 - (j) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
 - (k) Any operation using aqueous solutions containing less than 1% by weight of VOCs, excluding HAPS.
 - (l) Noncontact cooling tower systems with the following: Forced and induced draft cooling tower system not regulated under a NESHAP.
 - (m) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
 - (n) Heat exchanger cleaning and repair.
 - (o) Purging of gas lines and vessels that is related to routing maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
 - (p) Flue gas conditioning systems and associated chemicals such as the following: sodium sulfate, ammonia, and sulfur trioxide.
 - (q) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

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

Section D.4 (Continued)

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

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

- (2) Other insignificant activities (continued)
 - (r) Blow down for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
 - (s) Emergency generators as follows: Diesel generators not exceeding 1600 horsepower.
 - (t) Filter or coalesce media change out.
 - (u) Mold release agents using low volatile products (vapor pressure less than or equal to 2 kiloPascals measured at 38 degrees C).
 - (v) A laboratory as defined in 326 IAC 2-7-1(21)(D).
 - (w) A gasoline transfer dispensing operation handling less than or equal to one thousand three hundred (1,300) gallons per day and filling tanks having a capacity equal to less than ten thousand five hundred (10,500) gallons. Such storage tanks may be in a fixed location or on mobile equipment.

(The information describing the processes 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.4.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations) for cold cleaning operations constructed after January 1, 1980, the owner or operator shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.4.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser without remote solvent reservoirs constructed after July 1, 1990, shall ensure that the following requirements are met:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch measured at thirty-eight degrees Celsius (38^oC) (one hundred degrees Fahrenheit (100^oF));
 - (B) The solvent is agitated; or

- (C) The solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38^oC) (one hundred degrees Fahrenheit (100^oF)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
- (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
- (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38^oC) (one hundred degrees Fahrenheit (100^oF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^oC) (one hundred twenty degrees Fahrenheit (120^oF)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:
 - (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

D.4.3 Volatile organic Compounds (VOC) [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material requirements for cold cleaning degreasers), on and after May 1, 2001, no person shall operate a cold cleaning degreaser with a solvent vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

Record Keeping and Reporting Requirements

D.4.4 Record Keeping Requirements [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8(d) (2) and (e) on or after November 1, 1999 the following record keeping requirements shall be followed:

- (1) The Permittee shall maintain each of the following records for each purchase.
 - (A) The name and address of the solvent supplier.
 - (B) The date of purchase
 - (C) The type of solvent
 - (D) The volume of each unit of solvent.
 - (E) The total volume of the solvent.
 - (F) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

- (2) All records required, shall be retained on-site for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Beta Steel Corporation
Source Address: 6500 South Boundary Road, Portage, IN 46368
Mailing Address: 6500 South Boundary Road, Portage, IN 46368
Part 70 Permit No.: T127-9691-00036

**This certification shall be included when submitting monitoring, testing reports/results
Or other documents as required by this permit.**

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify)
- Report (specify)
- Notification (specify)
- Affidavit (specify)
- Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865
PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Beta Steel Corporation
Source Address: 6500 South Boundary Road, Portage, IN 46368
Mailing Address: 6500 South Boundary Road, Portage, IN 46368
Part 70 Permit No.: T127-9691-00036

This form consists of 2 pages

Page 1 of 2

- | |
|--|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) |
| X 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 |
| X 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 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Beta Steel Corporation
Source Address: 6500 South Boundary Road, Portage, IN 46368
Mailing Address: 6500 South Boundary Road, Portage, IN 46368
Part 70 Permit No.: T127-9691-00036

Months: _____ to _____ Year:

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

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: Beta Steel Corporation
 Source Address: 6500 South Boundary Road, Portage, IN 46368
 Mailing Address: 6500 South Boundary Road, Portage, IN 46368
 Part 70 Permit No.: 127-9691-00036
 Facility: Reheat Furnace, Ladle Drying Station, East & West Ladle Preheat Stations, Ladle Holding Stations and Tundish Drying Station
 Parameter: MMBtu/hr of Natural Gas
 Limit: 264.6 MMBtu/hr, 11.5 MMBtu/hr, 11.5 MMBtu/hr, 11.5 MMBtu/hr, 6.0 MMBtu/hr and 3.5 MMBtu/hr, respectively.

YEAR: _____

Month	Hot Strip Mill Reheat Furnace		Ladle Drying Stations		East Ladle Preheat Station		West Ladle Preheat Station		Ladle Holding Station		Tundish Drying Station	
	Monthly Total (Mcuft)	Daily Maximum (Mcuft)	Monthly Total (Mcuft)	Daily Maximum (Mcuft)	Monthly Total (Mcuft)	Daily Maximum (Mcuft)	Monthly Total (Mcuft)	Daily Maximum (Mcuft)	Monthly Total (Mcuft)	Daily Maximum (Mcuft)	Monthly Total (Mcuft)	Daily Maximum (Mcuft)
Qtr. Total												
YTD Total												

No deviation occurred in this quarter.

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

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

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: Beta Steel Corporation
 Source Address: 6500 South Boundary Road, Portage, IN 46368
 Mailing Address: 6500 South Boundary Road, Portage, IN 46368
 Part 70 Permit No.: 127-9691-00036
 Facility: Electric Arc Furnace, LMF, Continuous Caster and Hot Strip Mill
 Parameter: Tons of Throughput per year
 Limit: 1,100,000 tons per 12-consecutive month period with compliance demonstrated at the end of each month.

YEAR: _____

Month	1 Electric Arc Furnace		1 Ladle Metallurgy Furnace		1 Continuous Caster		1 Hot Strip Mill		Operating Hours	
	Monthly Total (Tons)	Daily Maximum (Tons)	Monthly Total (Mcuft)	Daily Maximum (Mcuft)	Monthly Total (Tons)	Daily Maximum (Tons)	Monthly Total (Tons)	Daily Maximum (Tons)	Melt Shop	Hot Strip Mill
Qtr. Total										
YTD Total										

No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.