INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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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: March 20, 2007

RE: MultiServ- Indiana Harbor West / 089-24334-00341

FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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-MOD.dot 03/23/06

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March 20, 2007

Mr. Jim Budd
MultiServ - Indiana Harbor West
2008 Cline Avenue
Highland, IN 46322

Re: 089-24334-00341
Minor Source Modification to:
Part 70 permit No.: T089-7066-00341

Dear Mr. Budd:

MultiServ, Mittal Steel - Indiana Harbor West located on 3001 Dickey Road, East Chicago, Indiana was issued Part 70 operating permit T089-7066-00341 on March 22, 2004 for a slag processing operation at a steel mill facility. An application to modify the source was received on February 7, 2007. Pursuant to 326 IAC 2-7-10.5 the following emission unit is approved for construction at the source:

Portable Crushing Plant, with a maximum throughput rate of 150 tons per hour of slag, consisting of the following:

(1) One (1) crusher
(2) One (1) screen
(3) Six (6) conveyor transfer points
(4) One (1) industrial diesel engine, with a maximum heat input of 0.573 MMBTU/HR.

The following construction conditions are applicable to the proposed project:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).

2. This approval to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this

approval or if construction is suspended for a continuous period of one (1) year or more.

5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

6. The source may begin construction and operation when the minor source modification has been issued. Operating conditions shall be incorporated into the Part 70 operating permit as a minor permit modification in accordance with 326 IAC 2-7-10.5(l)(2) and 326 IAC 2-7-12.

This source modification authorizes the construction of Portable Crushing Plant as part of the Main Processing Plant. Operating conditions shall be incorporated into the Part 70 operating permit as a minor permit modification in accordance with 326 IAC 2-7-10.5(l)(2) and 326 IAC 2-7-12.

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 call (800) 451-6027 and ask for Jamal Naas or extension 4-5176, or dial (317) 234-5176.

Sincerely,

Original signed by
Matt Stuckey for

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Attachments

JNN

cc: File – Lake County
Lake County Health Department
IDEM Air Compliance Section Inspector – Michael Hall
IDEM Northwest Regional Office
Compliance Data Section
Administrative and Development

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PART 70
MINOR SOURCE MODIFICATION
OFFICE OF AIR QUALITY

MultiServ,
a contractor of Mittal Steel - Indiana Harbor West
West End Slag Dump
3001 Dickey Road
East Chicago, Indiana 46312

(herein known as the Permittee) is hereby authorized to construct subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this approval.

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.

Minor Source Modification No.: 089-24334-00341	
Original signed by: Matt Stuckey for Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: March 20, 2007

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1, A.3 and A.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

The Permittee owns and operates a stationary slag and kish processing plant.

Source Address:	West End Slag Dump, 3001 Dickey Road, East Chicago, Indiana 46312
Mailing Address:	P.O. Box 351, Whiting, Indiana 46394
General Source Phone Number:	(219) 399-3506
SIC Code:	3295
County Location:	Lake
Source Location Status:	Nonattainment for PM2.5, and 8-hour ozone 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 under PSD and Emission Offset Rules

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

Mittal Steel - Indiana Harbor West is a fully integrated steelmaking and finishing facility consists of a source with on-site contractors:

(a) Mittal Steel - Indiana Harbor West, (089-00318) the primary operation, is located at, 3001 Dickey Road, East Chicago, Indiana 46312; and

(b) MultiServ, (089-00341) the on-site contract operation (a slag and kish processing plant), is located at West End Slag Dump, 3001 Dickey Road, East Chicago, Indiana.

IDEM has determined that Mittal Steel - Indiana Harbor West and MultiServ are under the common control of Mittal Steel - Indiana Harbor West. These two plants are considered one source due to contractual control. Therefore, the term “source” in the Part 70 documents refers to both Mittal Steel - Indiana Harbor West and MultiServ as one source.

Separate Part 70 permits will be issued to Mittal Steel - Indiana Harbor West and MultiServ solely for administrative purposes. For permitting purposes, Mittal Steel - Indiana Harbor West. is assigned Permit No. 089-7099-00318 and MultiServ is assigned Permit No. 089-7066-00341.

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

MultiServ, consists of the following permitted emission units and pollution control devices:

(a) Main Slag Processing Plant consisting of the following emission units:

(1) The following constructed in 1993 with a maximum throughput rate of 500 tons per hour of slag, controlled by water suppression:

(A) One (1) Boliden Allis 6' X 10' Feeder

(B) One (1) Boliden Allis 7' X 10' Grizzly

(C) One (1) Boliden Allis 6' X 11' Feeder

(D) One (1) 42" X 129' Main Feed Belt conveyor

(E) One (1) Boliden 6' X 8" Feeder

(F) One (1) Stearns 60" X 84" Magnet Drum

(G) Three (3) Boliden Allis 4' X 12' Feeders

(H) One (1) Boliden Allis 6' X 20' Double Deck Screen

(I) One (1) 36" X 60' Metallics Product Conveyor

(J) One (1) 36" X 16' Metallics Transfer Conveyor

(K) One (1) 36" X 100' Metallics Feed Conveyor

(L) Two (2) Stearns 42 X 60 Magnet Drums

(M) Three (3) conveyors, each with a maximum throughput rate of 500 tons of slag per hour

(N) Two (2) screens, each with a maximum throughput rate of 500 tons of slag per hour

(O) Two (2) 24" X 60' Metallics Product Conveyors

(P) One (1) 36" X 95' Metallics Feed Conveyor

(Q) One (1) 24" X 35' Slag Transfer Conveyor

(R) One (1) 24" X 60' Slag Recirculating Conveyor

(S) One (1) 42" x 137' Slag Feed Conveyor

(T) One (1) Boliden Allis 8' X 20' Double Deck Screen

(U) One (1) 36"X 75' Slag Conveyor

(V) One (1) 24" X 60' Slag Transfer Conveyor

(W) One (1) 24" X 80' Slag Product Conveyor

(X) One (1) 36" X 80' Slag Feed Conveyor

(Y) One (1) PEP 6' X 18' Vari-Vibe III Single Deck Screen

(Z) Two (2) 24" X 80' Slag Product Conveyors

(AA) One (1) 36" X 84' Slag Conveyor

(AB) One (1) Pendulum Magnet

(AC) One (1) 36’ X 34’ – 6 Reversing Conveyor

(AD) One (1) 54" Eljay Crusher

(AE) One (1) 24" X 44' Crusher Recirculating Conveyor

(AF) Aggregate Storage Piles with total capacity of 2,000,000 tons

(2) The following constructed in 2007 with a maximum throughput rate of 150 tons per hour of slag, controlled by water suppression:

(A) Portable Crushing Plant, consisting of the following:

(1) One (1) crusher

(2) One (1) screen

(3) Six (6) conveyor transfer points

(4) One (1) industrial diesel engine, with a maximum heat input of 0.573 MMBTU/HR

(b) **CM-13 Processing Plant,** with a maximum throughput capacity of 300 tons per hour of slag or kish controlled by water suppression installed in 1993:

(1) One (1) 48’ X 60’ Feeder

(2) Two (2) AC 4’ X 12’ Feeders

(3) One (1) Dings 36” X 60” Magnet Drum

(4) One (1) PEP Screen

(5) One (1) Tyler 6’ X 20’ Double Deck Screen

(6) One (1) 36” X 75’ Conveyor

(7) Two (2) 24” X 30’ Conveyors

(8) One (1) 36” X 85’ Conveyor

(9) One (1) 24” X 100’ Conveyor

(10) One (1) 36 “ X 20’ Conveyor

(11) Three (3) 36” X 60’ Conveyors

(12) One (1) 42” X 18’ Conveyor

(13) One (1) slag crushing circuit having a maximum capacity of 250 tons of slag per hour consisting of one (1) crusher identified as ID-26 and six (6) conveyor transfers identified as ID-22, ID-23, ID-24, ID-25, ID-27 and ID-28, respectively, installed in 2000.

(14) Aggregate Storage Piles with total capacity of 1,000,000 tons

(c) **Kish Processing Plant**, with a maximum throughput rate of 350 tons of kish per hour, controlled by water suppression, consisting of the following, installed in 2003:

(1) Two (2) raw material feeders, with a maximum combined throughput rate of 350

tons of kish per hour.

(2) Three (3) conveyors, each with a maximum throughput rate of 350 tons of kish per hour

(3) One (1) Drum Magnet

(4) One (1) double screen, with a maximum throughput rate of 200 tons of kish iron per hour.

(5) Five (5) conveyors, each with a maximum throughput rate of 200 tons of kish iron per hour

(6) Aggregate Storage Piles with total capacity of 1,000,000 tons

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

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

(a) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons. [326 IAC 8-9]

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

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

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

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

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

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

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 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and reissuance, or modification; or

(3) Denial of a permit renewal application.

(b) Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act.

(c) 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.

(d) 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.

B.9 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.10 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
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

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

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

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

B.11 Preventive Maintenance Plan [326 IAC 2-7-5(1), (3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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

(b) The Permittee shall implement the PMPs, including any 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 Aresponsible 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.12 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 (NWRO) of IDEM, 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
NWRO Telephone Number: 219-981-6712
NWRO Facsimile Number: 219-881-6745

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

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

Within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the responsible official as defined by 326 IAC 2-7-1(34).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) 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.13 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.14 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.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

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

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

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

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

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

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the responsible official as defined by 326 IAC 2-7-1(34).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the responsible official as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

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

(b) 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.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

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

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

(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

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

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the 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
Permits Branch, Office of Air Quality
100 North Senate Avenue

Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

(5) The Permittee maintains records on-site 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.21 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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

following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.2 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

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

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

C.4 Fugitive Dust Emissions [326 IAC 6-4]

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

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

(a) Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

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

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

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

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

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

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

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

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

(9) The PM_{10} emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.

(10) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).

(11) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

(12) PM10 emissions from each material processing stack shall not exceed 0.022 grains per dry standard cubic foot and ten percent (10%) opacity

(13) Fugitive particulate matter from the material processing facilities shall not exceed ten percent (10%) opacity

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

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

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

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan, submitted on November 22, 1993.

(b) The source is subject to 326 IAC 6.8-10-3 (Lake County Particulate Matter Contingency Measures) because it is subject to the requirements of 326 IAC 6.8-10-3. Pursuant to this rule, the source shall comply with parts (h), (i), (k), (l), (m), (o), (p) and (q) of this rule.

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

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

C.7 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.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least

thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

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

All required notifications shall be submitted to:

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

The 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.9 Performance Testing [326 IAC 3-6]

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

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

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

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

(b) The Permittee shall notify IDEM, OAQ, of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

Compliance Requirements [326 IAC 2-1.1-11]

C.10 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.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

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

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

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

C.12 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.13 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 (∀2%) of full scale reading.

(b) Whenever a condition in this permit requires the measurement of a temperature or flow 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 (∀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.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

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

Within ninety (90) days after the date of issuance of this permit.

C.15 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.16 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 timeframe for taking reasonable response steps.

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan 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 CFR60/63 requirements.

(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, 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.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the responsible official as defined by 326 IAC 2-7-1(34).

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

C.18 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 326 IAC 2-6-4(a);

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

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality

100 North Senate Avenue
Indianapolis, Indiana 46204-2251

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

(b) The emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

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

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

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

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

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the Aresponsible 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.21 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)]:

MultiServ, consists of the following permitted emission units and pollution control devices:

(a) Main Slag Processing Plant consisting of the following emission units:

(1) The following constructed in 1993 with a maximum throughput rate of 500 tons per hour of slag, controlled by water suppression:

(A) One (1) Boliden Allis 6' X 10' Feeder

(B) One (1) Boliden Allis 7' X 10' Grizzly

(C) One (1) Boliden Allis 6' X 11' Feeder

(D) One (1) 42" X 129' Main Feed Belt conveyor

(E) One (1) Boliden 6' X 8" Feeder

(F) One (1) Stearns 60" X 84" Magnet Drum

(G) Three (3) Boliden Allis 4' X 12' Feeders

(H) One (1) Boliden Allis 6' X 20' Double Deck Screen

(I) One (1) 36" X 60' Metallics Product Conveyor

(J) One (1) 36" X 16' Metallics Transfer Conveyor

(K) One (1) 36" X 100' Metallics Feed Conveyor

(L) Two (2) Stearns 42 X 60 Magnet Drums

(M) Three (3) conveyors, each with a maximum throughput rate of 500 tons of slag per hour

(N) Two (2) screens, each with a maximum throughput rate of 500 tons of slag per hour

(O) Two (2) 24" X 60' Metallics Product Conveyors

(P) One (1) 36" X 95' Metallics Feed Conveyor

(Q) One (1) 24" X 35' Slag Transfer Conveyor

(R) One (1) 24" X 60' Slag Recirculating Conveyor

(S) One (1) 42" x 137' Slag Feed Conveyor

(T) One (1) Boliden Allis 8' X 20' Double Deck Screen

(U) One (1) 36"X 75' Slag Conveyor

(V) One (1) 24" X 60' Slag Transfer Conveyor

(W) One (1) 24" X 80' Slag Product Conveyor

(X) One (1) 36" X 80' Slag Feed Conveyor

(Y) One (1) PEP 6' X 18' Vari-Vibe III Single Deck Screen

(Z) Two (2) 24" X 80' Slag Product Conveyors

(AA) One (1) 36" X 84' Slag Conveyor

(AB) One (1) Pendulum Magnet

(AC) One (1) 36' X 34' – 6 Reversing Conveyor

(AD) One (1) 54" Eljay Crusher

(AE) One (1) 24" X 44' Crusher Recirculating Conveyor

(AF) Aggregate Storage Piles with total capacity of 2,000,000 tons

(2) The following constructed in 2007 with a maximum throughput rate of 150 tons per hour of slag, controlled by water suppression:

(A) Portable Crushing Plant, consisting of the following:

(1) One (1) crusher
(2) One (1) screen
(3) Six (6) conveyor transfer points
(4) One (1) industrial diesel engine, with a maximum heat input of 0.573 MMBTU/HR

(b) **CM-13 Processing Plant,** with a maximum throughput capacity of 300 tons per hour of slag or kish controlled by water suppression installed in 1993:

(1) One (1) 48' X 60' Feeder
(2) Two (2) AC 4' X 12' Feeders
(3) One (1) Dings 36" X 60" Magnet Drum
(4) One (1) PEP Screen
(5) One (1) Tyler 6' X 20' Double Deck Screen
(6) One (1) 36" X 75' Conveyor
(7) Two (2) 24" X 30' Conveyors
(8) One (1) 36" X 85' Conveyor
(9) One (1) 24" X 100' Conveyor
(10) One (1) 36 " X 20' Conveyor
(11) Three (3) 36" X 60' Conveyors
(12) One (1) 42" X 18' Conveyor
(13) One (1) slag crushing circuit having a maximum capacity of 250 tons of slag per hour consisting of one (1) crusher identified as ID-26 and six (6) conveyor transfers identified as ID-22, ID-23, D-25, ID-27 and ID-28, respectively, installed in 2000.
(14) Aggregate Storage Piles with total capacity of 1,000,000 tons

(c) **Kish Processing Plant**, with a maximum throughput rate of 350 tons of kish per hour, controlled by water suppression, consisting of the following, installed in 2003:

(1) Two (2) raw material feeders, with a maximum combined throughput rate of 350 tons of kish per hour.

(2) Three (3) conveyors, each with a maximum throughput rate of 350 tons of kish per hour

(3) One (1) Drum Magnet

(4) One (1) double screen, with a maximum throughput rate of 200 tons of kish iron per hour.

(5) Five (5) conveyors, each with a maximum throughput rate of 200 tons of kish iron per hour

(6) Aggregate Storage Piles with total capacity of 1,000,000 tons

(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 Nonattainment Area Particulate Limitations [326 IAC 6.8]

Pursuant to 326 IAC 6.8 (formerly 326 IAC 6-1-2), PM emissions from all conveyors, crushers, feeders, screens and magnetic separators shall not exceed 0.03 grains per dry standard cubic foot (dscf).

D.1.2 Prevention of Significant Deterioration and Nonattainment NSR [326 IAC 2-2] [326 IAC 2-1.1-5]

(a) Throughput of slag and kish shall be limited to less than 2,000,000 tons per twelve (12) consecutive month period at the Main Slag Processing Plant with compliance determined at the end of each month.

(b) Throughput of slag and kish shall be limited to less than 1,000,000 tons per twelve (12) consecutive month period at the CM-13 Processing Plant with compliance determined at the end of each month.

(c) Throughput of slag and kish shall be limited to less than 1,000,000 tons per twelve (12) consecutive month period at the Kish Processing Plant with compliance determined at the end of each month.

(d) Liquid moisture shall constitute no less than 1.5% of the process stream by weight at the screening, crushing, separation, conveying and stockpile emission points.

Compliance with these limits will assure that the PM and PM10 emissions from the slag and kish processes shall remain less than 25 tpy and 15 tpy, respectively. Therefore, the requirements of 326 IAC 2-1.1-5 (Nonattainment NSR) and 326 IAC 2-2 (PSD), do not apply.

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

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

D.1.4 PM and PM10 Control

In order to comply with Conditions D.1.1 and D.1.2, the Permittee shall use wet suppression to control emissions of PM and PM10 from the feeder, conveyors, the screens, and the portable crusher as required to ensure the slag and kish has a moisture content greater than 1.5 percent. The suppressant shall be applied in a manner and at a frequency sufficient to ensure compliance with D.1.1 and D.1.2 limitations. If weather conditions preclude the use of wet suppression, the Permittee shall perform chemical analysis on the slag and kish to ensure it has a moisture content greater than 1.5 percent.

D.1.5 Particulate Matter (PM)

Pursuant to 326 IAC 6.8 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), compliance with the opacity limits specified in Condition C.5 shall be achieved by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan (FDCP). If it is determined that the control procedures specified in the FDCP do not

demonstrate compliance with the fugitive emission limitations, IDEM, OAM may request that the FDCP be revised and submitted for approval.

Opacity from the activities shall be determined as follows:

(a) Batch Transfer
The average instantaneous opacity shall consist of the average of three (3) opacity readings taken five (5) seconds, ten (10) seconds, and fifteen (15) seconds after the end of one (1) batch loading or unloading operation. The three (3) readings shall be taken at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume.

(b) Continuous Transfer
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9. The opacity readings shall be taken at least four (4) feet from the point of origin.

(c) Wind Erosion from Storage Piles
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9, except that the opacity shall be observed at approximately four (4) feet from the surface at the point of maximum opacity. The observer shall stand approximately fifteen (15) feet from the plume and at approximately right angles to the plume. The limitations may not apply during periods when application of fugitive particulate control measures are either ineffective or unreasonable due to sustained very high wind speeds. During such periods, the company must continue to implement all reasonable fugitive particulate control measures and maintain records documenting the application of measures and the basis for a claim that meeting the opacity limitation was not reasonable given prevailing wind conditions.

(d) Wind Erosion from Exposed Areas
The opacity shall be determined using 40 CFR 60, Appendix A, Method 9.

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

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

(1) The first will be taken at the time of emission generation.

(2) The second will be taken five (5) seconds later.

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

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

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

processing equipment shall be determined using 40 CFR 60, Appendix A, Method 5 or 17.

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

D.1.6 Visible Emissions Notations

(a) Visible emission notations of the exhausts from feeders, conveyor transfer points and screens shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C-Compliance Response Plan-Preparation, Implementation, Records and Reports shall be considered a violation of this permit.

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

D.1.7 Record Keeping Requirements

(a) To document compliance with Condition D.1.2, the Permittee shall maintain records of monthly slag and kish throughput at each of the process plants.

(b) Pursuant to 326 IAC 6.8 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements) and to document compliance with Condition D.1.5:

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

(1) A map or diagram showing the location of all emission sources controlled, including the location, identification, length, and width of roadways.

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

(A) The name and location of the roadway controlled

(B) Application rate

(C) Time of each application

(D) Width of each application

(E) Identification of each method of application

(F) Total quantity of water or chemical used for each application

(G) For each application of chemical solution, the concentration and identity of the chemical

(H) The material data safety sheets for each chemical

(3) For application of physical or chemical control agents not covered by 326 IAC 6-1-11.1(B), the following:

(A) The name of the agent

(B) Location of application

(C) Application rate

(D) Total quantity of agent used

(E) If diluted, percent of concentration

(F) The material data safety sheets for each chemical

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

(5) Copies of all records required by this section shall be submitted to the department within twenty (20) working days of a written request by the department

(c) To document compliance with Condition D.1.4, the Permittee shall maintain records of the chemical analysis of the slag material, as needed.

(d) To document compliance with Condition D.1.6, the Permittee shall maintain records of once per shift visible emission notations of the feeders, conveyor transfer points and screens.

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

D.1.8 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Condition D.1.2 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) Pursuant to 326 IAC 6-8 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), a quarterly report shall be submitted, stating the following:

(1) The dates any required control measures were not implemented

(2) A listing of those control measures

(3) The reasons that the control measures were not implemented

(4) Any corrective action taken

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.

SECTION D.2 FACILITY OPERATION CONDITIONS

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

Insignificant Activities

Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons. [326 IAC 8-9]

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

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

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-9]

Pursuant to 326 IAC 8-9-6 (Volatile Organic Liquid Storage Vessels), the owner or operator of a stationary vessel with a capacity of less than thirty-nine thousand (39,000) gallons, and which is not exempt, shall maintain a record and submit to the department a report containing the following information on the vessel:

(a) The vessel identification number.

(b) The vessel dimensions.

(c) The vessel capacity.

(d) A description of the emission control equipment for each vessel described in 326 IAC 8-9-4 (a) and 4(b), applicable, or a schedule for installation of emission control equipment on vessels described in 326 IAC 8-9-4(a) and 4(b), if applicable, with a certification that the emission control equipment meets the applicable standards.

The owner or operator of a stationary vessel shall keep all records as described for the life of the vessel.

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

D.2.2 Record Keeping Requirements

To document compliance with Condition D.2.1, the Permittee shall keep readily accessible records showing the dimension of the storage tanks and an analysis showing the capacity of the storage tanks.

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

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: MultiServ, a contractor of Mittal Steel - Indiana Harbor West
Source Address: West End Slag Dump, 3001 Dickey Road, East Chicago, Indiana 46312
Mailing Address: P.O. Box 351, Whiting, Indiana 46394
Part 70 Permit No.: T089-7066-00341

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: MultiServ, a contractor of Mittal Steel - Indiana Harbor West
Source Address: West End Slag Dump, 3001 Dickey Road, East Chicago, Indiana 46312
Mailing Address: P.O. Box 351, Whiting, Indiana 46394
Part 70 Permit No.: T089-7066-00341

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

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

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

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

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

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe: Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:

Title / Position:

Date: _____

Phone: _____

A certification is not required for this report.

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

Part 70 Quarterly Report

Source Name: MultiServ, a contractor of Mittal Steel - Indiana Harbor West
Source Address: West End Slag Dump, 3001 Dickey Road, East Chicago, Indiana 46312
Mailing Address: P.O. Box 351, Whiting, Indiana 46394
Part 70 Permit No.: T089-7066-00341
Facility: Main slag processing plant
Parameter: Throughput of slag and kish combined
Limit: Less than 2,000,000 tons per twelve (12) consecutive month period

Quarter:_____ YEAR:

Month	Tons	Tons	Tons
	This Month	Previous 11 Months	12 Month 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: MultiServ, a contractor of Mittal Steel - Indiana Harbor West
Source Address: West End Slag Dump, 3001 Dickey Road, East Chicago, Indiana 46312
Mailing Address: P.O. Box 351, Whiting, Indiana 46394
Part 70 Permit No.: T089-7066-00341
Facility: CM-13 processing plant
Parameter: Throughput of slag and kish combined
Limit: Less than 1,000,000 tons per twelve (12) consecutive month period

Quarter:_____YEAR:

Month	Tons	Tons	Tons
	This Month	Previous 11 Months	12 Month 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: MultiServ, a contractor of Mittal Steel - Indiana Harbor West
Source Address: West End Slag Dump, 3001 Dickey Road, East Chicago, Indiana 46312
Mailing Address: P.O. Box 351, Whiting, Indiana 46394
Part 70 Permit No.: T089-7066-00341
Facility: Kish processing plant
Parameter: Throughput of slag and kish combined
Limit: Less than 1,000,000 tons per twelve (12) consecutive month period

Quarter:_____YEAR:

Month	Tons	Tons	Tons
	This Month	Previous 11 Months	12 Month 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 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: MultiServ, a contractor of Mittal Steel - Indiana Harbor West
Source Address: West End Slag Dump, 3001 Dickey Road, East Chicago, Indiana 46312
Mailing Address: P.O. Box 351, Whiting, Indiana 46394
Part 70 Permit No.: T089-7066-00341

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

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. 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'.	
☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

Fugitive Dust Control Plan
MultiServ Plant 7- ISG Steel
East Chicago, In

The are three potentially significant sources of fugitive from this site: Fines stockpiles, roadways/parking areas and material handling/processing. The following fugitive emission control procedures are to be implemented for these sources.

Control Plan

A. Person responsible for plan implementation:
Tony Cunningham, Superintendent

B. Owner/operator responsible for plan implementation:
MultiServ Plant 7
West End Slag Dump
3001 Dickey Road
East Chicago, IN 46312

C. This facility is operated within the ISG Steel site. MultiServ operates the following sources on this site:

1. Fugitive Sources
   a. Stockpiles
   b. Roadways and Parking Areas
   c. Material Handling Activity

2. Stationary Process Sources
   a. Main Recovery Plant
   b. CM-13 Plant
   c. Iron Plant

D. Control Measures to be Implemented

1. Stockpile Control Measures:

   a) Storage piles subject to wind erosion shall be wetted with water or water/surfactant mixture as required to control emissions. Rainfall is an acceptable water supply.

   b) Active areas of fines stockpiles shall be sprayed with water or water/surfactant mixture during and after load-out as required to prevent excessive emissions.

2. Roadway/Parking Areas Control Measures:

   a) All MultiServ maintained unpaved roadways subject to mobile equipment traffic should be treated with Petro-Tac or other equivalent dust suppressant chemical as frequently as necessary to prevent excessive emissions. Alternatively, unpaved roads may be watered.

b) Chemically treated unpaved roads must be water washed as necessary to remove any silt build-up.

b) MultiServ supervisors and water truck operator shall monitor road conditions and advise Superintendent when action is needed. Superintendent shall be responsible for initiating additional applications of dust suppressant chemical or water as needed.

c) MultiServ is not required to spray on days where there has been 0.1 inch or greater precipitation within the previous 24 hours. However, the Superintendent is responsible for observing conditions and determining whether additional applications are needed. MultiServ must record all instances where weather conditions prevent the application of normally required control measures.

d) The maximum vehicle speed permitted on MultiServ maintained roads shall be 15 MPH. Mill security and/or MultiServ supervision will enforce this limit.

e) Inactive roadways/parking areas shall be closed to all traffic, except by special permission.

f) Berming and/or traffic control barriers shall be installed if necessary to restrict traffic to emission controlled roadways only.

g) Prompt cleanup of spilled materials and carry-on dust is required of road maintenance personnel.

3. Material Handling Control Measures

a) A wet suppression system shall be provided to cool and wet all materials prior to handling or processing. The water shall be applied at the slag dumping areas in quantities as necessary to increase material moisture content to no less than 1.5% by weight.

b) Additional water or water/surfactant mixture may be applied where necessary to control material handling emissions.

c) During stocking and de-stocking operations, front-end loader bucket drop height shall be minimized to the lowest practical level. Equipment operators shall be instructed to use care when unloading materials. Dump truck loads must be dumped slowly.

E. Control Interruptions and Countermeasures

1. Stockpiles

a) Raw materials received are extremely hot, sub-freezing weather conditions generally do not reduce emission controls in the primary process. Water supply systems are designed for operation in freezing weather.

b) Finished slag product stockpiles contain >1.5% moisture to control emissions. Slag materials contain sufficient lime to cause a natural crust formation over undisturbed piles.

c) During periods when emission control systems are inoperable, the plant Superintendent shall contact the Agency to provide notice of such conditions. If necessary, facility operations must be shut-down until control systems are again operable.

2. Roadways/Parking Areas

a) Freezing weather conditions and equipment breakdowns are the primary cause of control interruption. The consistent chemical treatment of unpaved roads during the summer and fall will provide sufficient binding of the road base to control emissions through the winter months when water/chemicals can not be applied. During periods when the water/chemical truck is down for repairs, arrangements will be made with ISG Steel or other local contractors for this service. Otherwise, activities must be curtailed until control equipment is again operable.

3. Material Handling Activity

a) Normal operating procedures require materials to be thoroughly wetted before handling. This is accomplished during the primary cooling and quenching process. Should these control systems be inoperable, alternative means of wetting materials must be employed (i.e.: tanker truck, loader buckets, or dump trucks) or the material handling activity must be curtailed.

F. Record Keeping Requirements

1. A Roads Maintenance Log will be maintained to record all specifics of road maintenance including the following:
   a. Road name and location
   b. Liquid application rate
   c. Date and time of application
   d. Width of application
   e. Method of application
   f. Water/chemical quantity
   g. Chemical name and concentration
   h. MSDS for chemicals used
   i. Instances and reasons when weather or other conditions prevent the application of normally required roadway control measures.

2. The Superintendent will maintain a Log of Control Interruptions to document instances when control systems were inoperable or other conditions prevented the application of normally required control measures.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Minor Source Modification and a Minor Permit Modification.

Source Description and Location

Source Name:	MultiServ, a contractor of Mittal Steel - Indiana Harbor West
Source Location:	West End Slag Dump - 3001 Dickey Road, East Chicago, IN 46312
County:	Lake
SIC Code:	3295
Operation Permit No.:	T 089-7066-00341
Operation Permit Issuance Date:	March 22, 2004
Minor Source Modification No.:	089-24334-00341
Minor Permit Modification No.:	089-24292-00341
Permit Reviewer:	Jamal Naas (317) 234-5176 jnaas@idem.in.gov

Source Definition

Mittal Steel - Indiana Harbor West is a fully integrated steelmaking and finishing facility consisting of a source with on-site contractors:

(a) Mittal Steel - Indiana Harbor West, (089-00318) the primary operation, is located at, 3001 Dickey Road, East Chicago, Indiana 46312; and

(b) MultiServ, (089-00341) the on-site contract operation (a slag and kish processing plant), is located at the West End Slag Dump, 3001 Dickey Road, East Chicago, Indiana.

IDEM has determined that Mittal Steel - Indiana Harbor West and MultiServ are under the common control of Mittal Steel - Indiana Harbor West. These two plants are considered one source due to contractual control. Therefore, the term "source" in the Part 70 documents refers to both Mittal Steel - Indiana Harbor West and MultiServ as one source.

Separate Part 70 permits have been issued to Mittal Steel - Indiana Harbor West and MultiServ, solely for administrative purposes. For permitting purposes, Mittal Steel - Indiana Harbor West is assigned Permit No. 089-7099-00318 and MultiServ is assigned Permit No. 089-7066-00341.

Existing Approvals

Administrative Amendment No.: 089-18822-00341, issued on June 4, 2004
Title V Operating Permit No.: 089-7066-00341, issued on March 22, 2004

County Attainment Status

The source is located in Lake County.

Pollutant	Status
PM10	Maintenance Attainment
PM2.5	Basic Nonattainment
SO_2	Maintenance Attainment
NO_x	Attainment
8-hour Ozone	Moderate Nonattainment
CO	Maintenance Attainment

Pollutant	Status
Lead	Attainment

(a) Volatile organic compounds (VOC) and nitrogen oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Lake County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

(b) U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Lake County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the requirements of Emission Offset, 326 IAC 2-3.

(d) Lake County has been classified as attainment for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(e) The source is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

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

Source Status

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

Pollutant	Potential To Emit (tons/year)
PM	greater than 100
PM-10	greater than 100
SO_2	greater than 100
VOC	greater than 100
CO	greater than 100
NO_x	greater than 100
Total HAPs	greater than 25

(a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(b) This existing source is a major stationary source under Emission Offset (326 IAC 2-3) because PM2.5 and VOC, nonattainment regulated pollutants, are emitted at a rate of 100 tons per year or more.

(c) These emissions are based upon the permit modification application and the Technical

Support Document for the applicant's Part 70 Operating Permit 089-7066-00341.

(d) This existing source is a major source of HAPs, as defined in 40 CFR 63.41, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

Actual Emissions

The following table shows the actual emissions from the source (MultiServ). This information reflects the 2005 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	no data
PM10	2
SO_2	no data
VOC	0
CO	no data
NO_x	no data
Pb	no data

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by MultiServ on February 7, 2007, related to the construction and operation a Portable Crushing Plant at the Mittal Steel - Indiana Harbor West facility in East Chicago, Indiana.

The Portable Crushing Plant will include the following units:

- One (1) crusher
- One (1) screen
- Six (6) conveyor transfer points
- One (1) industrial diesel engine

The anticipated maximum annual throughput for this process is 1,314,000 tons of slag per year.

The additional equipment will be part of the Main Processing Plant. Since the processing capability at the Main Processing Plant is limited to 2,000,000 tons per (12) consecutive month period with compliance determined at the end of each month, the Portable Crushing Plant limits established in the current Title V permit will assure that the PM and PM10 emissions from the proposed slag processing remain below 25 tpy and 15 tpy, respectively. This modification involves the addition of emission units of the same type that are already permitted and will comply with the same requirements.

Enforcement Issues

IDEM is aware that there is a pending enforcement action for violating Fugitive Dust Emissions rule 326 IAC 6-4 and Particulate Emissions rule 326 IAC 6-2. IDEM is reviewing this matter and will take the appropriate action.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

Permit Level Determination – Part 70

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

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	32.6
PM10	12.4
SO_2	0.72
VOC	0.90
CO	2.36
NO_x	11.0
Pb	0

Pursuant to 326 IAC 2-7.10.5(d)(8), this modification allows the addition of an emission unit of the same type that is already permitted and that will comply with the same applicable requirements and permit terms and conditions as the existing emission units. Therefore, this modification is being processed as a minor source modification.

The modification will be incorporated into the Part 70 Operating Permit through a minor permit modification issued pursuant to 326 IAC 2-7-12(b).

Permit Level Determination – PSD or Emission Offset

The PM and PM10 emissions from the proposed crushing operation are limited by the existing 25 and 15 tons per year limits on the Main Processing Plant. Therefore, this modification to an existing major stationary source is not major because the emissions increase is less than the significant levels under PSD and Emission Offset. Therefore, pursuant to 326 IAC 2-2 and 326 IAC 2-1.1-5, the PSD and Nonattainment NSR requirements do not apply.

State Rule Applicability

326 IAC 2-2 and 326 IAC 2-1.1-5 (PSD and Nonattainment NSR)

The source's PSD and Emission Offset limits will not change as a result of this modification:

(a) Throughput of slag and kish shall be limited to 2,000,000 tons per twelve (12) consecutive month period at the Main Slag Processing Plant

(b) Throughput of slag and kish shall be limited to 1,000,000 tons per twelve (12) consecutive month period at the CM-13 Processing Plant

(c) Throughput of slag and kish shall be limited to 1,000,000 tons per twelve (12) consecutive month period at the Kish Processing Plant

(d) Liquid moisture shall constitute not less than 1.5% of the process stream by weight at the screening, crushing, separation, conveying and stockpile emission points.

Compliance with these limits will assure that the PM and PM10 emissions from the slag and kish

processes shall remain less than 25 tpy and 15 tpy, respectively. Therefore, the requirements of 326 IAC 2-1.1-5 (Nonattainment NSR) and 326 IAC 2-2 (PSD), do not apply.

326 IAC 2-4.1 (New Sources of Hazardous Air Pollutants)

The potential to emit HAPs from the proposed modification is less than the major source thresholds. Therefore, the requirements of 326 IAC 2-4.1 are not applicable.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T089-7066-00341. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

1. The source is changing its name from "Heckett MultiServ" to " MultiServ". The current Part 70 Operating Permit cover page has been changed as follows:

PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY
MultiServ,
a contractor of Mittal Steel - Indiana Harbor West
~~Heckett MultiServ~~
~~a contractor of ISG-Indiana Harbor Inc.~~
West End Slag Dump
3001 Dickey Road
East Chicago, Indiana 46312

The reporting forms have been changed as follows:

Source Name:	~~Heckett MultiServ, a contractor of ISG - Indiana Harbor Inc.~~
	MultiServ, a contractor of Mittal Steel - Indiana Harbor West
Source Address:	West End Slag Dump, 3001 Dickey Road, East Chicago, Indiana 46312
Mailing Address:	P.O. Box 351, Whiting, Indiana 46394
Part 70 Permit No.:	T089-7066-00341

2. Condition A.1 has been modified to remove the listing of Responsible Official. After further review, IDEM OAQ has decided that it is not necessary to list the responsible official by name or title in the permit. In addition, Condition A.1 has been modified to update the attainment status for criteria pollutants in Lake County.

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

The Permittee owns and operates a stationary slag and kish processing plant.

~~Responsible Official:~~	~~Keith T. McCarthy~~
Source Address:	West End Slag Dump, 3001 Dickey Road, East Chicago, Indiana 46312
Mailing Address:	P.O. Box 351, Whiting, Indiana 46394
General Source Phone Number:	(219) 399-3506
SIC Code:	3295
County Location:	Lake
Source Location Status:	Nonattainment for **PM2.5**~~SO_2~~, and **8 hour** ozone 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 under PSD and Emission Offset Rules

3. Condition A.3(a) has been revised to include the Portable Crushing Plant.

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

MultiServ, consists of the following permitted emission units and pollution control devices:

(a) Main Slag Processing Plant **consisting of the following emission units:**~~with a maximum throughput rate of 500 tons per hour of slag, controlled by water suppression installed in 1993:~~

(1) The following constructed in 1993 with a maximum throughput rate of 500 tons per hour of slag, controlled by water suppression:

(A) One (1) Boliden Allis 6' X 10' Feeder

(B) One (1) Boliden Allis 7' X 10' Grizzly

(C) One (1) Boliden Allis 6' X 11' Feeder

(D) One (1) 42" X 129' Main Feed Belt conveyor

(E) One (1) Boliden 6' X 8" Feeder

(F) One (1) Stearns 60" X 84" Magnet Drum

(G) Three (3) Boliden Allis 4' X 12' Feeders

(H) One (1) Boliden Allis 6' X 20' Double Deck Screen

(I) One (1) 36" X 60' Metallics Product Conveyor

(J) One (1) 36" X 16' Metallics Transfer Conveyor

(K) One (1) 36" X 100' Metallics Feed Conveyor

(L) Two (2) Stearns 42 X 60 Magnet Drums

(M) Three (3) conveyors, each with a maximum throughput rate of 500 tons of slag per hour

(N) Two (2) screens, each with a maximum throughput rate of 500 tons of slag per hour

(O) Two (2) 24" X 60' Metallics Product Conveyors

(P) One (1) 36" X 95' Metallics Feed Conveyor

(Q) One (1) 24" X 35' Slag Transfer Conveyor

(R) One (1) 24" X 60' Slag Recirculating Conveyor

(S) One (1) 42" x 137' Slag Feed Conveyor

(T) One (1) Boliden Allis 8' X 20' Double Deck Screen

(U) One (1) 36"X 75' Slag Conveyor

(V) One (1) 24" X 60' Slag Transfer Conveyor

(W) One (1) 24" X 80' Slag Product Conveyor

(X) One (1) 36" X 80' Slag Feed Conveyor

(Y) One (1) PEP 6' X 18' Vari-Vibe III Single Deck Screen

(Z) Two (2) 24" X 80' Slag Product Conveyors

(AA) One (1) 36" X 84' Slag Conveyor

(AB) One (1) Pendulum Magnet

(AC) One (1) 36' X 34' – 6 Reversing Conveyor

(AD) One (1) 54" Eljay Crusher

(AE) One (1) 24" X 44' Crusher Recirculating Conveyor

(AF) Aggregate Storage Piles with total capacity of 2,000,000 tons

(2) The following constructed in 2007 with a maximum throughput rate of 150 tons per hour of slag, controlled by water suppression:

(A) Portable Crushing Plant, consisting of the following:

(1) One (1) crusher
(2) One (1) screen
(3) Six (6) conveyor transfer points
(4) One (1) industrial diesel engine, with a maximum heat input of 0.573 MMBTU/HR

4. Condition C.3 in Section C has been revised as follows since this condition is now federally enforceable:

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

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

5. Section D.1 has been revised to include the Portable Crushing Plant.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

MultiServ, consists of the following permitted emission units and pollution control devices ~~installed in 1993~~:

(a) Main Slag Processing Plant **consisting of the following emission units:**~~with a maximum throughput rate of 500 tons per hour of slag, controlled by water suppression installed in 1993:~~

(1) The following constructed in 1993 with a maximum throughput rate of 500 tons per hour of slag, controlled by water suppression:

(A) One (1) Boliden Allis 6' X 10' Feeder

(B) One (1) Boliden Allis 7' X 10' Grizzly

(C) One (1) Boliden Allis 6' X 11' Feeder

(D) One (1) 42" X 129' Main Feed Belt conveyor

(E) One (1) Boliden 6' X 8" Feeder

(F) One (1) Stearns 60" X 84" Magnet Drum

(G) Three (3) Boliden Allis 4' X 12' Feeders

(H) One (1) Boliden Allis 6' X 20' Double Deck Screen

(I) One (1) 36" X 60' Metallics Product Conveyor

(J) One (1) 36" X 16' Metallics Transfer Conveyor

(K) One (1) 36" X 100' Metallics Feed Conveyor

(L) Two (2) Stearns 42 X 60 Magnet Drums

(M) Three (3) conveyors, each with a maximum throughput rate of 500 tons of slag per hour

(N) Two (2) screens, each with a maximum throughput rate of 500 tons of slag per hour

(O) Two (2) 24" X 60' Metallics Product Conveyors

(P) One (1) 36" X 95' Metallics Feed Conveyor

(Q) One (1) 24" X 35' Slag Transfer Conveyor

(R) One (1) 24" X 60' Slag Recirculating Conveyor

(S) One (1) 42" x 137' Slag Feed Conveyor

(T) One (1) Boliden Allis 8' X 20' Double Deck Screen

(U) One (1) 36"X 75' Slag Conveyor

(V) One (1) 24" X 60' Slag Transfer Conveyor

(W) One (1) 24" X 80' Slag Product Conveyor

(X) One (1) 36" X 80' Slag Feed Conveyor

(Y) One (1) PEP 6' X 18' Vari-Vibe III Single Deck Screen

(Z) Two (2) 24" X 80' Slag Product Conveyors

(AA) One (1) 36" X 84' Slag Conveyor

(AB) One (1) Pendulum Magnet

(AC) One (1) 36' X 34' – 6 Reversing Conveyor

(AD) One (1) 54" Eljay Crusher

(AE) One (1) 24" X 44' Crusher Recirculating Conveyor

(AF) Aggregate Storage Piles with total capacity of 2,000,000 tons

(2) The following constructed in 2007 with a maximum throughput rate of 150 tons per hour of slag, controlled by water suppression:

(A) Portable Crushing Plant, consisting of the following:

(1) One (1) crusher

(2) One (1) screen

(3) Six (6) conveyor transfer points

(4) One (1) industrial diesel engine, with a maximum heat input of 0.573 MMBTU/HR

(b) CM-13 Processing Plant, with a maximum throughput capacity of 300 tons per hour of slag or kish controlled by water suppression installed in 1993:

(1) One (1) 48' X 60' Feeder
(2) Two (2) AC 4' X 12' Feeders
(3) One (1) Dings 36" X 60" Magnet Drum
(4) One (1) PEP Screen
(5) One (1) Tyler 6' X 20' Double Deck Screen
(6) One (1) 36" X 75' Conveyor
(7) Two (2) 24" X 30' Conveyors
(8) One (1) 36" X 85' Conveyor
(9) One (1) 24" X 100' Conveyor
(10) One (1) 36 " X 20' Conveyor
(11) Three (3) 36" X 60' Conveyors
(12) One (1) 42" X 18' Conveyor
(13) One (1) slag crushing circuit having a maximum capacity of 250 tons of slag per hour consisting of one (1) crusher identified as ID-26 and six (6) conveyor transfers identified as ID-22, ID-23, D-25, ID-27 and ID-28, respectively, installed in 2000.
(14) Aggregate Storage Piles with total capacity of 1,000,000 tons

(c) Kish Processing Plant, with a maximum throughput rate of 350 tons of kish per hour, controlled by water suppression, consisting of the following, installed in 2003:

(1) Two (2) raw material feeders, with a maximum combined throughput rate of 350 tons of kish per hour.

(2) Three (3) conveyors, each with a maximum throughput rate of 350 tons of kish per hour

(3) One (1) Drum Magnet

(4) One (1) double screen, with a maximum throughput rate of 200 tons of kish iron per hour.

(5) Five (5) conveyors, each with a maximum throughput rate of 200 tons of kish iron per hour

(6) Aggregate Storage Piles with total capacity of 1,000,000 tons

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

6. 326 IAC 6-11-1 has been repealed and replaced by 326 IAC 6.8. The rule citations under Conditions D.1.1, D.1.5, D.1.7 and D.1.8 have been modified as follows:

D.1.1 Nonattainment Area Particulate Limitations **[326 IAC 6.8]** ~~[326 IAC 6-1-2]~~

Pursuant to ~~326 IAC 6-1-2 (a) and (g)~~ **326 IAC 6.8 (formerly 326 IAC 6-1-2)**, **PM emissions from all conveyors, crushers, feeders, screens and magnetic separators** ~~the crushing, sizing, storing and transporting of mineral materials shall be limited as follows:~~

~~(a) All operations where the process is totally enclosed, and thus it is practical to measure the particulate matter emissions therefrom,~~ shall not exceed 0.03 grain per dry standard cubic ~~feet per minute~~ **foot (dscf)**.

~~(b) In addition, 326 IAC 2, 326 IAC 5-1, and 326 IAC 6-4 shall apply in all cases to mineral aggregate operations.~~

D.1.5 Particulate Matter (PM)

Pursuant to ~~326 IAC 6-1-11.1~~ **326 IAC 6.8 (formerly 326 IAC 6-1-11.1)** (Lake County Fugitive Particulate Matter Control Requirements), compliance with the opacity limits specified in Condition C.5 shall be achieved by controlling fugitive particulate matter emissions according to the Fugitive Dust Control Plan (FDCP). If it is determined that the control procedures specified in the FDCP do not demonstrate compliance with the fugitive emission limitations, IDEM, OAM may request that the FDCP be revised and submitted for approval.

D.1.7 Record Keeping Requirements

(b) Pursuant to ~~326 IAC 6-1-11.1~~ **326 IAC 6.8 (formerly 326 IAC 6-1-11.1)** (Lake County Fugitive Particulate Matter Control Requirements) and to document compliance with Condition D.1.5:

D.1.8 Reporting Requirements

(b) Pursuant to ~~326 IAC 6-1-11.1~~ **326 IAC 6.8 (formerly 326 IAC 6-1-11.1)** (Lake County Fugitive Particulate Matter Control Requirements), a quarterly report shall be submitted, stating the following:

(1) The dates any required control measures were not implemented

(2) A listing of those control measures

(3) The reasons that the control measures were not implemented

(4) Any corrective action taken

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.

7. Condition D.1.2 has been reworded to read as follows:

D.1.2 Prevention of Significant Deterioration and ~~Emission Offset~~ **Nonattainment NSR**[326 IAC 2-2] ~~[326 IAC 2-3]~~ **[326 IAC 2-1.1-5]**

(a) Throughput of slag and kish shall be limited to less than 2,000,000 tons per twelve (12) consecutive month period at the Main Slag Processing Plant with compliance determined at the end of each month.

(b) Throughput of slag and kish shall be limited to less than 1,000,000 tons per twelve (12) consecutive month period at the CM-13 Processing Plant with compliance determined at the end of each month.

(e) Throughput of slag and kish shall be limited to less than 1,000,000 tons per twelve (12) consecutive month period at the Kish Processing Plant with compliance determined at the end of each month.

(f) Liquid moisture shall constitute no less than 1.5% of the process stream by weight at the screening, crushing, separation, conveying and stockpile emission points.

Compliance with these limits will assure that the PM and PM10 emissions from the slag and kish processes shall remain less than 25 tpy and 15 tpy, respectively. Therefore, the requirements of ~~326 IAC 2-3 (Emission Offset)~~ **326 IAC 2-1.1-5 (Nonattainment NSR)** and 326 IAC 2-2 (PSD), do not apply.

8. IDEM's address and phone numbers have been updated as necessary throughout the permit.

Conclusion and Recommendation

The construction and operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 089-24334-00341 and Minor Permit Modification No. 089-24292-00341. The staff recommend to the Commissioner that this Part 70 Minor Source Modification and Minor Permit Modification be approved.

Appendix A: Emission Calculations
Diesel No. 2 Fuel Oil Combustion Only
One (1) Diesel Engine

Company Name: MultiServ
Address: 3001 Dickey Road, East Chicago, Indiana 46312
MSM: 089-24334
Plt ID: 089-00341
Reviewer: Jamal Naas
Date: February 21, 2007

Heat Input Capacity (MMBtu/hour)	Potential Throughput (kgals/year)
0.57	36.4

Pollutant

	* PM	* PM10	SO_2	NOx	VOC	CO
Emission Factor (lb/kgal)	42.5	42.5	39.7	604		130
Emission Factor (lb/MMBtu)					0.36	
Potential To Emit (tons/year)	0.77	0.77	0.72	11.0	0.90	2.36

* PM and PM10 emission factors are filterable and condensable PM and PM10 combined.
One (1) gallon of No. 2 Fuel Oil has a heating value of 138,000 Btu.

Emission factors are from FIRE 6.23, Reciprocating Engine - SCC # 2-04-004-02.
Emission factor for VOC is from AP-42, Chapter 3.3 Table 3.3-1, SCC # 2-03-001-01 (10/96).
The sulfur content of the fuel used at the source is equal to 50%

METHODOLOGY
Potential throughput (kgals/year) = Heat input capacity (MMBtu/hour) * 8760 hours/year * 1 kgal/1000 gallon * 1 gallon/0.138 MMBtu
PTE of VOC (tons/year) = Heat Input Capacity (MMBtu/hour) * Emission factor (lb/MMBtu) * 8760 hours/year * 1 ton/2000 lbs
PTE of PM, PM10, SO_2, NOx, & CO (tons/year) = Potential throughput (kgal/year) * Emission factor (lb/kgal) * 1 ton/2000 lbs
See next page for HAPs emissions calculations.

Appendix A: Emission Calculations
Diesel No. 2 Fuel Oil Combustion Only
One (1) Diesel Engine

Company Name: MultiServ
Address: 3001 Dickey Road, East Chicago, Indiana 46312
MSM: 089-24292
Plt ID: 089-00341
Reviewer: Jamal Naas
Date: February 21, 2007

HAPs - Organics

	Benzene	**Xylene**	**Propylene**	**Formaldehyde**	**Toluene**
Emission Factor (lb/MMBtu)	9.33E-04	2.85E-04	2.58E-03	1.18E-03	4.09E-04
Potential To Emit (tons/year)	2.34E-03	7.15E-04	6.48E-03	2.96E-03	1.03E-03

	Acetaldehyde	**Acrolein**
Emission Factor (lb/MMBtu)	7.67E-04	9.25E-05
Potential To Emit (tons/year)	1.92E-03	2.32E-04

Emission factors for HAPs are from AP-42, Chapter 3.3, Table 3.3-2 (10/96).

METHODOLOGY
PTE of HAPs (tons/year) = Heat input capacity (MMBtu/hour) * Emission factor (lb/MMBtu) * 8760 hours/year * 1 ton/2000 lbs.

Appendix A: Emission Calculations
Crushing & Screening Operations

Company Name: MultiServ
Address: 3001 Dickey Road, East Chicago, Indiana 46312
MSM: 089-24334
Plt ID: 089-00341
Reviewer: Jamal Naas
Date: February 21, 2007

Operation Type	Maximum Capacity (tons/hour)	Emission Factor (lb PM per ton)	PTE of PM (tons/year)	Emission Factor (lb PM10 per ton)	PTE of PM10 (tons/year)
Conveyor Transfer Point	150	0.003	1.97	0.0011	0.72
Conveyor Transfer Point	150	0.003	1.97	0.0011	0.72
Conveyor Transfer Point	150	0.003	1.97	0.0011	0.72
Conveyor Transfer Point	150	0.003	1.97	0.0011	0.72
Conveyor Transfer Point	150	0.003	1.97	0.0011	0.72
Conveyor Transfer Point	150	0.003	1.97	0.0011	0.72
Crushing	150	0.0054	3.55	0.0024	1.58
Screening	150	0.025	16.4	0.0087	5.72

Emission factors are from AP-42, Chapter 11.19.2 - Crushed Stone Processing, Table 11.19.2-2. (08/04)
SCC 3-05-020-31, 3-05-020-06, 3-05-030-03, 3-05-020-02,03)
* Emission factors for material handling & storage piles are from AP-42, Chapter 13.2.4 and calculated as shown below.

* Emission Factor in lb/ton = k*(0.0032) * [(U/5)^1.3 * 1/(M/2)^1.4]

K = particle size multiplier	0.74
U = mean wind speed, m/sec	10
M = material moisture content	2.1
E.F (lb/ton) =	0.0054

METHODOLOGY
PTE for PM and PM10 (tons/year) = Max. Capacity (tons/hour) * Emission factor (lb/ton) * 8760 hours/year * 1 ton/2000 lbs

Appendix A: Emission Calculations
SUMMARY

Company Name: MultiServ
Address: 3001 Dickey Road, East Chicago, Indiana 46312
MSM: 089-24292
Plt ID: 089-00341
Reviewer: Jamal Naas
Date: February 21, 2007

POTENTIAL TO EMIT IN TONS PER YEAR

Emission Unit	PM	PM10	SO_2	NO_x	VOC	CO	HAPs
Diesel Generator	0.77	0.77	0.72	11.0	0.90	2.36	1.57E-02
Conveyor Transfer Point	1.97	7.20E-01					
Conveyor Transfer Point	1.97	7.20E-01					
Conveyor Transfer Point	1.97	7.20E-01					
Conveyor Transfer Point	1.97	7.20E-01					
Conveyor Transfer Point	1.97	7.20E-01					
Conveyor Transfer Point	1.97	0.72					
Crushing	3.55	1.58					
Screening	16.4	5.72					
TOTAL	**32.6**	**12.4**	**0.72**	**11.0**	**0.90**	**2.36**	**1.57E-02**